## I Outline of the 2010-Base Consumer Price Index

1 Characteristics of the index
The Consumer price index (CPI) is calculated to comprehensively measure the price fluctuation of goods and services purchased by households nationwide in the time series. It reflects changes of the cost of purchasing goods and services in a fixed "market basket", but is not designed to measure changes of the cost of living attributed to the changes of types, quality and quantity of goods and services consumers purchase.

2 Outline of the index
(1) Scope of the CPI

Since the CPI measures the price changes affecting the life of households as consumers, the scope should be the living expenditure of a household economy (religious contributions, donations, money gifts, other obligation fees and remittances are excluded).

Thus, expenditure such as direct tax and social insurance premiums (non-consumption expenditure), security purchases, land and housing purchases (expenditure for saving and property purchases) are not included in the scope of the CPI.

Housing cost of owner-occupied housing is incorporated into the index by the "imputed rent" approach (Refer to "I [Reference] Treatment of the housing services of owner-occupied houses").
(2) Index formula

The index is calculated as the weighted arithmetic mean with a fixed basket in the base period preceding the observation period (Laspeyres formula).

$$
I_{t}=\frac{\sum_{i=1}^{n} p_{t, i} q_{0, i}}{\sum_{i=1}^{n} p_{0, i} q_{0, i}} \times 100=\frac{\sum_{i=1}^{n} \frac{p_{t, i}}{p_{0, i}} w_{0, i}}{\sum_{i=1}^{n} w_{0, i}} \times 100 \quad \begin{aligned}
& I: \text { index } \\
& p: \text { price } \\
& w: \text { weight }(=p q)
\end{aligned} \quad q: \text { quantity } \quad \begin{aligned}
& i: \text { item } \\
& 0: \text { base period } \quad t: \text { observation period }
\end{aligned}
$$

(3) Base period and weight reference period

Both the index reference period and the weighting reference period are the calendar year 2010.

The weight is mainly calculated by average monthly expenditure by item per household in 2010, which is obtained from the Family Income and Expenditure Survey (FIES) (Fundamental Statistics Survey based on the Statistics Act (Law No. 53, 2007) (Refer to "III 4 Calculation of the weight ( $W_{0}$ )").
(4) Items to be priced

The number of items priced for the calculation of the index (hereinafter referred to as "index
items" or simply "items") totals 588, consisting of 587 items and an item of imputed rent of owner-occupied housing (including 5 items priced only in Okinawa Prefecture). Items are selected with consideration of the importance of each item relative to total living expenditure, the representativeness of price movements and feasibility of price data collection, in order to represent the price movement of all goods and services purchased by households.

As for the items, refer to "IV List of information for items of the 2010-Base Consumer Price Index".
(5) Price data
a) In principle, the prices of index items are derived from the retail prices of each municipality and the items obtained by the Retail Price Survey (RPS) (Fundamental Statistics Survey based on the Statistics Act (Law No. 53, 2007)).
Note that the number of surveyed municipalities (villages, towns and cities) is 167.
b) As for three items, "Personal computers (desktop)", "Personal computers (notebook)" and "Cameras", the average prices sold for each product derived from scanner data from the POS information, collected from major electric appliance shops nationwide, are used for compiling the price indices.
(6) Index calculation

Firstly, the indices for the smallest groups are calculated by averaging the item indices, which are calculated by dividing the price in the observation period (refer to "III 1 Calculation of the prices in the observation period $\left(P_{\mathrm{t}}\right)$ ") by the price in the base period (refer to "III 3 Calculation of the prices in the base period $\left(P_{0}\right)$, with a weighting assigned to each item in the group. Secondary, Indices thus obtained are averaged with weight for each group, to obtain the indices for the groups immediately above the smallest groups. Repeating the same procedure, the indices for the minor groups, subgroups, the 10 major groups and the Japan index are obtained in succession.

In the case of the Japan index, the index is calculated as follows. First, the index of the relative price by item is calculated for each municipality and then averaged with the respective weighting for each municipality to obtain the average price index by item nationwide. Then this index is averaged with weight for each item for the whole country to obtain upper level groups and the all items index. The same procedure is also taken for the city groups and districts.

## 3 Index series available

(1) Basic classification indices
a) As for basic classification indices, all items, 10 major groups, subgroups, minor groups and individual items are calculated for Japan and the Ku-area of Tokyo. In addition, as for 69 i.e. city classes (5 groupings), districts (10 groupings), large cities (4 groupings), cities with prefectural governments (excluding the Ku-area of Tokyo), and part of the government ordinance-designated cities (cities of Kawasaki-shi, Hamamatsu-shi, Sakai-shi and Kitakyushu-shi) (50 groupings), indices for all items, ten major groups and subgroup indices are calculated.
b) As for the reference to basic classification indices, indices for "All items, less imputed rent", "All items less fresh food", "All items less imputed rent and fresh food" and "All items, less food (less alcoholic beverages) and energy" are calculated.
(2) Goods and service group indices
a) Goods and service group indices are calculated for Japan and the Ku-area of Tokyo.
b) As for the reference to Goods and service group indices, indices for "Services, less imputed rent" and "Fees for public services" are calculated.
(3) Indices aggregated based on baskets of specific household groups

The following indices are calculated for Japan.
a) Subgroup Index for Total Households ${ }^{1}$
b) Subgroup Index by Yearly Income Quintile Group of Worker's Households
c) Subgroup Index for Retired Elderly Households
d) 10 Major Group Index by Age Group of Household Head
e) 10 Major Group Index by Occupation of Household Head
f) 10 Major Group Index by Type of Tenure of Dwelling of Household Head
(4) Indices by the characteristic of items

The following indices are calculated for Japan.
a) Indices of Goods Groups Classified According to Elasticity to Living Expenditure
b) Indices of Annual Purchase Frequency Classes
(5) Seasonally adjusted indices

The following 8 groupings indices are calculated for Japan and the Ku-area of Tokyo.
Basic classification indices:

- All items
- All items, less fresh food
- All items, less imputed rent
- All items, less imputed rent \& fresh food
- All items, less food (less alcoholic beverages) and energy

Goods and Service Group Indices:

- Goods
- Semi-durable goods
- Goods, less fresh food
(6) Supplementary indices

The following indices are calculated up to the middle classification for Japan.

[^0]a) CPI calculated by Laspeyres’ Chain Index Method
b) CPI calculated by Midpoint-year Basket Method
(7) Others

The following indices are calculated.
a) 5 major group indices (prewar base) for the Ku-area of Tokyo
b) Subgroup index (2005-base) for Japan and Ku-area of Tokyo
c) Regional difference index of consumer prices

## 4 Publication of the CPI

In principle, the CPI is released at 8:30 A.M. on Friday of the week including the $26^{\text {th }}$ of each month. The index figures of the preceding month for the whole country and the preliminary figures of the current month for the Ku-area of Tokyo are released. The average index figures for the calendar year and fiscal year are released when the monthly figures for December and March are released respectively.
(1) Published report on the CPI $\qquad$ This report contains basic classification indices, goods and service group indices for Japan and the Ku-area of Tokyo. This is available on the date of public release and also available on the Internet website.
(2) Monthly report on the CPI ..................... This report contains all series of indices and major time series indices about the month concerned. This is available only on the Internet website.
(3) Annual report on the CPI ........................ This report contains monthly and annually indices of basic classification, goods and service group. It also contains indices of characteristics of households and items. This is published in the following spring of the corresponding year, and also available on the Internet website.
[Reference] Treatment of the housing services of owner-occupied houses
To include the housing cost of owner-occupied housing in the price index, the imputed rent index and the all items index ${ }^{2}$ including the imputed rent have been calculated since 1970 by the imputed rent approach.

In the Family Income and Expenditure Survey (FIES), which is used for calculating weights of the CPI, the purchase of housing is regarded as a purchase of property (capital accumulation), not included in the living expenditure. However, shelter services derived from houses purchased instead of renting houses are considered to account for a large portion of actual consumption, so it may not be reasonable that it is not included only because of lack of monetary transaction. Therefore, the housing services of owner-occupied housing are incorporated into the CPI considering they are equivalent to house rents of similar houses, which is called the "imputed rent" approach. The treatment of housing cost of owner-occupied housing in the CPI differs by countries. The ILO manual, the "Consumer Price Index Manual: Theory and Practice" published by the International Labor Organization (ILO) in 2004, indicates that there are three approaches to deal with the housing cost of owner-occupied housing, i.e. (i) acquisition, (ii) payment and (iii) use. In Japan, focusing on approach (iii), the housing cost of owner-occupied housing is incorporated into the CPI as a necessary rental cost if the owner occupied housing is rented housing.

In the practical index calculation, weights based on the imputed rent of owner-occupied housing by the National Survey of Family Income and Expenditure ${ }^{3}$ (NSFIE), which is conducted every five years (the year before the base year), are calculated, and the 'house rent, private' by the RPS is substituted for the monthly price change of the imputed rent (Refer to "Appendix 3 Calculation of the weights for the imputed rent").

[^1]II Outline of the 2010-Base Revision of the Consumer Price Index

## 1 Introduction

The purpose of the CPI is to sequentially determine the fluctuation of prices by comprehensively measuring the fluctuation of prices of goods and services purchased by households nationwide. The measurement commenced in August 1946 shortly after the end of World War II, since which time the CPI has been continually calculated and published every month.

As the movement of prices is closely related to Japan's economic activities, the CPI is one of the key indices used to formulate and promote economic policy. In addition, it is also used for various other applications such as price indexation for the national pension plan and employees' pension plans, a deflator to actualize important economic indices, calculation of the estimated principal of national bond interlocking to prices (amount of principal after increase or decrease by interlocking to price movement). Also, it is widely used for governmental and private purposes such as revision of wages, housing rent and public charges as a benchmark.

## 2 Aim of the revision

Normally, the CPI is calculated by fixing the basket of consumer goods and survices of the base period, and thus indicating the change on prices based on the differences of costs relative to those of the base period. However, the consumption structure of households changes year on year along with the appearance of new goods and services, and changes in their tastes. If the consumption structure were fixed for an extended period, the index would not reflect the actual condition. Therefore, we have periodically revised the base period and reconsidered the index items, the weights, etc ("base revision"). Since the 1955-base revision of the CPI, the base period of the CPI has been revised every five years, in the year when the last digit is 0 or 5 .

In April 2010, the "Statistical standards on the base period of index" (Ministry of Internal Affairs and Communications Notice No. 112, March 31, 2010) was newly established based on Article 28, paragraph 1 of the Statistics Act (Act No. 53 of 2007), as the statistical standards stipulated by Articles 2, paragraph 9 of the Statistics Act ${ }^{4}$. The 2010-base revision of the CPI has been carried out to reflect changes in economic situations after the 2005-base revision on the principle shown in the statistical standards on the base period of index.
3. Main points of the revision
(1) Revision of the CPI base period

The base period and weight reference period of the CPI were revised from 2005 to 2010.
The CPI is used to determine the movement of prices over time. To enable comparison between new and old indices after the revision of the base period and weights, the indices before December 2009 have been converted into the 2010 base period and linked (linking of old and new

[^2]indices).
The linking of old and new indices was performed for areas, all items, groups and items (there was no recalculation to the upper group index with the linked index). The calculation has been performed by dividing the index of each base period by the annual index of the next base year and multiplying it by 100 .

For example; when the 2005-base index is linked to the 2010-base index;
The month $m$ of the year y 2010-base linking index
$=($ month m of the year y 2005-base index $/ 2010$ annual index of 2005-base) $\times 100$

The rates of change are not recalculated with the linked index but the published values for every base period are used unmodified. Also, the rates to the same month of the previous year from January to December of the base period (2010) are calculated with the old base period (2005) index. To facilitate the utilization of the index in relation to other economic indicators with the 2005-base year, the 2005-base indices are calculated and published until December 2011.

Subsequently, the 2005-base conversion index, which is calculated by multiplying the 2010 annual index of the 2005-base by the 2010-base index of each month and being divided by 100, will be calculated and published until the publication of the 2015-base index.

## (2) Revision of items

Items whose importance for household consumption expenditure has increased or decreased have been included or omitted respectively from the index items.

As a result, the number of items used for the 2010-base index has been 588, including 5 items surveyed only in Okinawa Prefecture.

Included items: 28 items; Omitted items: 22 items, including 3 items surveyed only in Okinawa Prefecture

Integrated items: 15 into 4 items; items changed their survey periods: 14 items

Revised items in the 2010-base are shown in the appendix.
For goods and services subject to rapid diffusion or degeneration during the period between the revision of the base and the next revision, it is discussed whether to include or omit new items before the next revision to enhance the accuracy of the index (midpoint-year revision).
< Standards for the selection of included items >
i) Items whose importance in the living expenditure increased due to change in the consumption structure owing to the appearance and spread of new goods and services, and taste changes.
ii) Items that can contribute to improve accuracy and to retain representativeness of subgroup indices.
iii) Items that can be smoothly collected their prices and correctly represent their price changes. Items meet the all standards of i) to iii) above are to be the included items.
< Standards for the selection of omitted items >
i) Items whose importance for living expenditure has decreased, due to changes in the consumer patterns.
ii) Items that even when eliminated do not affect the ability to ensure the accuracy and representativeness of the subgroup indices.
iii) Items that become difficult to collect smoothly or those where the price changes cannot be clearly shown.
Items corresponding to one of the three conditions (i to iii) above are omitted. However, when omitment of these items may adversely affect the accuracy of the subgroup indices, they are not omitted.

## (3) Weight revision

The weights used to calculate the 2010-base CPI have been calculated on the basis of average household expenditures by item per month in 2010, principally derived from the FIES (concerned with two-or-more-person households). For fresh food, however, monthly weights (for "Fresh fish \& seafood", "Fresh vegetables" and "Fresh fruits", group weights are fixed for every month) have been calculated not only based on the expenditures by item in 2010 but also the purchase quantity in each month of 2009 and 2010 because the purchase quantity per month per item differs significantly.

Weights assigned to items, such as "pocket money" and "social expenses" in the FIES, have been distributed to other items using the results of "private living expenditure" derived from the NSFIE in 2009. The weights of imputed rent have been calculated using the "imputed rent for owned houses" of the NSFIE in 2009.
(4) Revision of the price index calculation method using a model formula

Some items such as airplane fares, electricity and mobile telephone charges have various fare structures, with prices that vary according to the purchased conditions. To accurately reflect the price fluctuation in the price index, monthly indices for these items are calculated with a special formula (model formula) which is designed by using a typical utilization case of each item as a model. Prices surveyed by the RPS are used to calculate these indices. The results of other statistics are used for ratios to formulate the prices of model cases.

For some of the items using the model formula to calculate their indices (hereinafter referred to as "model item"), the charging systems or price structures of which are further diversified, the calculation formula has been revised to accurately reflect actual conditions to the price indices.
(5) Revision of calculation method for the index of house rent, private

The index of house rent, private of 2005-base was calculated by the following procedures: All private rental houses within the survey areas were surveyed for each municipality, The living households were categorized into four classes such as "small wooden houses", "medium-sized wooden houses", "small non-wooden houses" and "medium-sized non-wooden
houses",
The rent per $3.3 \mathrm{~m}^{2}$ for each class was calculated based on the total amount of rent and total floor area in a municipality.
The index was calculated by using the rent per $3.3 \mathrm{~m}^{2}$ and each of the four classes were published as an item.

The following two points have been modified in the 2010 base:
a) Introduction of a carry-forward process for moving-out

In the formula used for the 2005 base, when households move out and the houses become vacant, the average rent in the municipality changes due to a decrease in the number of samples, which may have substantially affected the index.

To avoid this negative impact, the carry-forward process (process to assume the previous month rent continuing to this month when the rent cannot be surveyed) has been newly introduced. This process assumes that the rent is continued at the same price for a period until the next tenant uses the house when a household moves out and the house becomes vacant.
b) Measures for change in the composition ratios of the four classes (small wooden houses, medium-sized wooden houses, small non-wooden houses and medium-sized non-wooden houses)

The composition ratios of house rent, private (the abovementioned four classes) may change after the base year due to conditions such as an increase or decrease in rental houses and households' moving out and moving in. If the composition ratio used to calculate the index is fixed to the base period, changes in the amount of rent may affect the index more significantly than the actual conditions.

To mitigate the negative impact, only the weight of one item of "house rent, private" is fixed to the base period as a model item and the composition ratio of the four classes of the house rent, private has been designed to be revisable according to actual conditions.
As for the calculation process, indices for the house rent, private of four classes (small wooden houses, medium-sized wooden houses, small non-wooden houses and medium-sized non-wooden houses) are calculated as before, whereupon the results are aggregated to calculate the price index of house rent, private.

For the "imputed rent", only one item of "imputed rent" has been selected to fix the weight to the base year, as in the case of "house rent, private".
(6) Quality adjustment

The CPI must be calculated from the price movement of goods and services having equal quality. Therefore, the characteristics of commodities such as their function, standards and quantity (hereinafter referred to as "specifications") are stipulated in detail for the Retail Price Survey. Moreover, with representativeness in mind, the commodities to be surveyed are assumed to be specifications with a higher rate of consumption expenditure.

However, the revision of specifications may be required due to changes in conditions such as discontinued products and market availability. In these cases, factors other than price fluctuation such as changes in quality must be eliminated (quality adjustment) before and after the revision of
the specifications.
For this quality adjustment, various other methods are available, including the overlap method, adjustment by the ratio of quantity, adjustment by the single regression equation, option cost method, class mean imputation, hedonic approach, direct comparison and so forth. The suitability of these methods should be carefully examined to adopt according to the actual conditions and the most suitable method should be selected for each item (refer to "III 2 Quality adjustment during calculation of the prices in the observation period").
(7) Revision of publishing series and classification items
(a) Basic classification index

For index by city groups, "small cities B" (cities with populations of less than 50,000 ) and "towns and villages" have been collectively unified into a single class, while " 6 large cities" and "all cities" have been omitted.
(b) Goods and services group index

For the classification of goods, "industrial products manufactured by large enterprises" and "industrial products manufactured by small and medium enterprises" in the classification of industrial products have been omitted due to the difficulty in clearly classifying them based on the diversification of product development by enterprises.

Also, house rent, private (wooden houses), house rent, private (non-wooden houses), imputed rent (wooden houses) and imputed rent (non-wooden houses) have been included to reference indices of goods and services classification.
(c) Indices aggregated based on baskets of specific household groups

Given the increasing number of households with heads older than 60, an index based on the expenditure composition for "subgroup index for retired elderly households" has been included. Also, as the ratio of typical households (a worker's family consisted of husband and wife with two children, and the occupied person is only the head of the household) as a proportion of entire households is decreasing, the index based on the expenditure composition of "typical household" has been omitted,
(d) Supplementary indices

The Laspeyres’ chain index and the midpoint-year basket index have been calculated only for Japan, while those for the Ku-area of Tokyo have been omitted due to their unstable results.

Included items (28 items) and omitted items (22 items including 3 items surveyed only in Okinawa Prefecture)

| 10 major groups | Included items | Omitted items |
| :---: | :---: | :---: |
| Food | Salmon roe | Blended rice |
|  | Ginger | Dried sardines |
|  | Dressing | Sliced vegetables pickled in soy sauce |
|  | Prepared pasta sauce | "Sembei", Japanese wheat crackers ${ }^{(c)}$ |
|  | "Yakitori", grilled chicken | "Hamadai" ${ }^{(d)}$ |
|  | Grilled fish | "Takasago" ${ }^{\text {(d) }}$ |
|  | "Kimpira" | "Misoshiru", bean-paste soup ${ }^{\text {(d) }}$ |
|  | Fried chicken |  |
| Furniture \& household utensils | Frying pans | Kettles |
|  | Matting | Shelves for microwave oven |
| Clothes \& footwear | Men's suits (for summer, ordinary) ${ }^{\text {(a) }}$ | Girls' skirts (for winter) ${ }^{(\mathrm{e})}$ |
|  | Men's suits (for winter, ordinary) ${ }^{\text {(a) }}$ | Canvas shoes (for children) ${ }^{(f)}$ |
|  | Women's suits (for spring \& summer, ordinary) ${ }^{(a)}$ | "Zori", Japanese sandals |
|  | Women's suits (for autumn \& winter, ordinary) ${ }^{\text {(a) }}$ |  |
|  | Slippers |  |
| Medical care | Disposable diapers (for adults) <br> (b) |  |
|  | Fees for vaccination |  |
| Transportation \& communication | Expressway bus fares | Railway fares (JR) (ordinary fares, for "Shinkansen") ${ }^{(\mathrm{g})}$ |
|  | Electronic Toll Collection system tool | Express delivery post |
|  | Car wash fees | Registered post |
|  |  | Parcel post |
| Culture \& recreation | Electronic dictionaries | Stereo phonograph sets |
|  | Game software | TV set repair charges |
|  | Grooming parlor fees | Albums |
|  | Horticultural fertilizer | Soccer balls |
|  | Memory cards | Films |
|  | Admission, theater |  |
|  | Music download service fees |  |
| Miscellaneous | Facial wash | Repair charges of wrist watches |

(a) Only medium quality goods had been surveyed for the 2005 base year, but ordinary quality goods have been included to the 2010 base year.
(b) Only goods for babies had been surveyed for the 2005 base year, but goods for adults have been included for the 2010 base year.
(c) Two items of Japanese crackers, i.e. rice flour and wheat flour had been surveyed for the 2005 base year, but only rice flour Japanese crackers have been surveyed for the 2010 base year.
(d) Items surveyed only in Okinawa Prefecture
(e) Two types of girls’ skirts (for summer and winter) had been surveyed for the 2005 base year, but only one item of girls' skirts has been surveyed for the 2010 base year.
(f) Two types of canvas shoes (for adults and children) had been surveyed for 2005 base year, but only one item of canvas shoes has been surveyed for the 2010 base year.
(g) Two items of railway fares (JR) (ordinary fares, excluding "Shinkansen" and for "Shinkansen") had been surveyed for the 2005 base year, but this has been changed to one item of railway fares (JR) (ordinary fares) for the 2010 base year.

Integrated items (15 items to 4 items)

| 10 major groups | Former (before change) | New (after change) |
| :---: | :---: | :---: |
| Housing | House rent, private (small wooden houses) | House rent, private |
|  | House rent, private (medium-sized wooden houses) |  |
|  | House rent, private (small non-wooden houses) |  |
|  | House rent, private (medium-sized non-wooden houses) |  |
|  | Imputed rent (small wooden houses) | Imputed rent |
|  | Imputed rent (medium-sized wooden houses) |  |
|  | Imputed rent (small non-wooden houses) |  |
|  | Imputed rent (medium-sized non-wooden houses) |  |
| Medical care | Delivery fees in national hospital | Delivery fees in national <br> \& public hospital |
|  | Delivery fees in public hospital |  |
| Culture \& recreation | Monthly magazines, boys' | Monthly magazines |
|  | Monthly magazines, hobbies \& cultures |  |
|  | Monthly magazines, living information |  |
|  | Monthly magazines, personal computers |  |
|  | Monthly magazines, women's |  |

Chapter 1 Calculation of the prices in the observation period $\left(P_{t}\right)$

1. Calculation of the prices in the observation period
(1) Basic formula

Prices in the observation $\left(P_{t}\right)$ period were calculated as the simple arithmetic mean for each month, item and municipality for prices by shops and stores principally obtained from the Retail Price Statistic Survey.

$$
\begin{gathered}
\qquad \bar{P}_{t, i, j}=\frac{1}{n} \sum_{k=1}^{n} P_{t, i, j, k} \\
\text { (t: observation period } \quad i \text { : item } \quad j \text { : municipality } \quad k \text { : store } n \text { : number of surveyed price) }
\end{gathered}
$$

For fresh food and cut flowers, whose daily price changes are significant, surveys are conducted three times a month (every 10 days in a month) to determine the exact price for the month. These items are hereinafter referred to as 10-day surveyed items. Refer to "IV List of information for items of the 2010-Base Consumer Price Index" for details of these items. The average price per month is calculated by averaging prices for each 10-day period. Prices in the observation period during the current month are calculated as the simple arithmetic mean of the average prices for each 10 -day period ${ }^{5}$.

$$
\begin{aligned}
& \bar{P}_{t, i, j, s}=\frac{1}{n} \sum_{k=1}^{n} P_{t, i, j, s, k} \\
& \bar{P}_{t, i, j}=\frac{1}{3} \sum_{s=1}^{3} P_{t, i, j, s} \\
& \text { (s: season (10-day period in a month)) }
\end{aligned}
$$

(2) Calculation of prices in the observation period not depending on the basic formula
(a) Personal computers and cameras

Price indices of "Personal computer (desktop)", "Personal computer (notebook)" and "Cameras" are calculated by the hedonic approach, using scanner data on prices, quantities and other characteristics of all products provided by the POS information. Refer to "Appendix 1 Calculation of the price index for PCs and Cameras by Hedonic approach" for details of the calculation method.

[^3](b) Items with complicated fare structures

Some items such as airplane fares, electricity and mobile telephone charges have various fare structures, with prices that vary according to the purchased conditions. To accurately reflect the price fluctuation in the price index, monthly indices for these items are calculated with a special formula (model formula) which is designed by using a typical utilization case of each item as a model. Prices surveyed by the RPS are used to calculate these indices. The results of other statistics are used for ratios to formulate the prices of model cases.
(c) Carry-forward process for seasonal items, less fresh food during the months when such prices are unavailable

For some items, prices cannot be collected in some months because of out of circulation or very limited supply. In the RPS, prices are collected only in the months when items come on the market.

In months when these items are unavailable, if we calculate an index of an upper level group excluding them, their weights are prorated to other items in the same group. As a result, the yearly average of monthly weights differs from the original yearly weight ${ }^{6}$.
Therefore, for seasonal items such as clothes and heating and cooling appliances, average prices in the previous season are imputed in months when prices are unavailable.

2 Substitution of the prices in the observation period
Some items are surveyed only in large cities among those items surveyed in each municipality by the RPS considering the actual situation of the purchase by consumers or of sales in stores. For these items, the prices in the geographically close city are used as substitutes for monthly pieces of municipalities where the survey is not performed ${ }^{7}$.

Also, for some items, which are surveyed not in municipalities but in prefectures or nationwide, the monthly prices are substituted into the municipalities.
As for methods of substitution for prices in the observation period and substitution type for each item, refer to "IV List of information for items of the 2010-Base Consumer Price Index".

[^4]Chapter 2 Quality adjustment during calculation of the prices in the observation period

1. Necessity for quality adjustment of the prices in the observation period

In the RPS, prices of goods and services with the same quality are continuously collected every month, giving the exact specification of the relevant goods and services for each item surveyed. However, in practice, a specification is changed when it is no longer available or commonly found in the market, or the survey district is changed. In such situations, price differences between this month and the previous month may include those caused by factors that are not originated from price movement, such as quality changes.

Therefore, for calculation of the CPI, it is necessary to remove price differences (quality adjustment) caused by such factors to calculate the prices in the observation period.

2 Method of quality adjustment
It is necessary to apply the most appropriate method to calculate prices in the observation period, carefully considering factors such as the existence of difference in quality between new and old goods or services and variations of difference in quality and price formations in the market. The main methods of quality adjustment used are as follows.
(1) Overlap method

If new and old specifications are sold at the same time under equivalent conditions, the price differences between them can be regarded as reflecting a difference in quality. In this case, price in the observation period is adjusted by the ratio of both prices observed in the same period. This method called "Overlap method".

Adjusting prices by the overlap method is as follows.

## 《Example 1》

Two months before Last month This month

| Item A | $¥ 120$ | $¥ 130$ | - |
| :--- | :---: | :---: | :---: |
| Item B | - | $¥ 160$ | $¥ 165$ |

$$
\begin{aligned}
\text { Link coefficient } & =\frac{\text { Price of item A in last month }}{\text { Price of item B in last month }} \\
& =\frac{¥ 130}{¥ 160} \\
& =0.8125
\end{aligned}
$$

| Price in the | Two month before | Last month | This month |
| :---: | :---: | :---: | :---: |
| observation | $¥ 120$ | $¥ 130$ | $¥ 134.06$ |
| period |  |  | $[¥ 165 \times 0.8125]$ |

(2) Adjustment by the ratio of quantity

When it is no difference in quality between new and old specifications except for quantity, and price is nearly proportional to quantity, price in the observation period is adjusted by the ratio of quantity between new and old specifications. Adjusting prices by the ratio of quantity is as follows.

《Example 2》

|  | Last month | This month |
| :--- | :---: | :---: |
| Item A | $150 \mathrm{~g} ¥ 135$ | - |
| Item B | - | $160 \mathrm{~g} ¥ 150$ |

$$
\begin{aligned}
\text { Link coefficient } & =\frac{\text { Quantity of item A }}{\text { Quantity of item B }} \\
& =\frac{150 \mathrm{~g}}{160 \mathrm{~g}} \\
& =0.9375
\end{aligned}
$$

| Price in the | Last month | This month |
| :---: | :---: | :---: |
| observation | $150 \mathrm{~g} ¥ 135$ | $150 \mathrm{~g} ¥ 146.63$ |
| period |  | $[160 \mathrm{~g} ¥ 150 \times 0.9375]$ |

(3) Adjustment by the regression equation

Applying the price of the new specification into the regression equation, the price of the new specification is estimated when quality is equivalent to the old one, and price in the observation period is adjusted by the ratio of both prices.

The following example uses single regression equation with quantity as an explanatory variable.

《Example 3》

|  | Last month | This month |
| :--- | :---: | :---: |
| Item A | $1,200 \mathrm{~g} ¥ 1,800$ | - |
| Item B | - | $1,120 \mathrm{~g} ¥ 1,760$ |
|  |  | (on the condition that 720 g costs $¥ 1,210$ ) |

[Estimation by a regression model]

$$
\begin{aligned}
& 1,760=1,120 a+b \\
& 1,210=720 a+b \quad \therefore a=1.375, b=220.0 \\
& y=1.375 x+220.0
\end{aligned}
$$

Therefore, the price of an item B for $1,200 \mathrm{~g}$ is estimated to be $1.375 \times 1,200+220.0$ $=1,870 y \mathrm{yen}$.

$$
\begin{aligned}
\text { Link coefficient } & =\frac{\text { Estimated price of an item B for } 1,200 \mathrm{~g}}{\text { Price of an item B for } 1,120 \mathrm{~g}} \\
& =\frac{¥ 1,870}{¥ 1,760} \\
& =1.0625
\end{aligned}
$$

| Price in the | Last month | This month |
| :---: | :---: | :---: |
| observation | $1,200 \mathrm{~g} ¥ 1,800$ | $1,200 \mathrm{~g} ¥ 1,870$ |
| period | - | $[1,120 \mathrm{~g} ¥ 1,760 \times 1.0625]$ |

(4) Option cost method

When equipment which is an option in an old specification is installed as a standard in the new specification, the price increase along with such quality improvement is equal to the purchase cost of the option. However, the cost for standard equipment is considered to be lower than that for an option because of the increase of the production. In addition, consumers lose the opportunity to select or not select the option. Therefore, the price of the quality improvement is estimated by adjusting this part (in general, it is estimated as one half of the option price). This is called "Option cost method".

Adjusting prices by the option cost method is as follows.

《Example 4》

|  | Last month | This month |
| :---: | :---: | :---: |
| Item A | $¥ 2,400,000$ | - |
| (Option) | $¥ 200,000$ |  |
| Item B (standard) | - | $¥ 2,550,000$ |

Thus, quality improvement by the standardization of the option is estimated to be $¥ 200,000 \times 1 / 2=¥ 100,000$.

| Link coefficient | $=\frac{\text { Price of an item A }}{\text { Price of an item A+ Quality improvement by the }}$ |
| ---: | :--- |
|  | $=\frac{¥ 2,400,000}{\text { standardization }}$ |
|  | $=0.9600$ |


| Price in the | Last month | This month |
| :---: | :---: | :---: |
| observation | $¥ 2,400,000$ | $¥ 2,448,000$ |
| period |  | $[¥ 2,550,000 \times 0.9600]$ |

(5) Class mean imputation

When new and old specifications of an item are unable to compare in the last month, prices are linked by assuming that the price change of the item is equal to the average price change of all the other items classified into the same group. This method is called "Class mean imputation".

This method is used when new and old specifications are unable to be priced at the same period. In general, it is not appropriate to apply this method, but it is exceptionally used for items sold in the market only for limited season, such as clothes.

Adjusting prices by the class means imputation is as follows

| 《Example 5》 |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Same month of the previous year | Last month | This month |
| Item A | ¥1,500 | - | - |
| Item B | - | - | ¥1,200 |
| Index of an upper level group* | 100.2 |  | 99.8 |

*This is calculated excluding the item in question.

Link coefficient $=$\begin{tabular}{c}
Price of an item A in the same <br>
month of the previous year

$\times$

Index of an upper level group in <br>
this month
\end{tabular}

Price of an item B in this month
$=\frac{¥ 1,500 \times \frac{99.8}{100.2}}{¥ 1,200}$

$$
=1.2450
$$

| Price in the | Same month of the previous year | Last month | This month |
| :---: | :---: | :---: | :---: |
| observation period | $¥ 1,500$ | - | $¥ 1,494$ |
|  |  |  | [ $¥ 1,200 \times 1.2450$ ] |

(6) Direct comparison

When the new specification can be regarded as equivalent to the old specification, the surveyed prices are adopted directly, in which case no special calculation for the link coefficient is needed. However, it is necessary to investigate the qualities of both new and old specifications and judge them to be equivalent.

## Chapter 3 Calculation of the prices in the base period $\left(P_{0}\right)$

Calculation of the prices in the base period
Prices in the base period $\left(P_{0}\right)$ are the simple arithmetic means of monthly price data of the observation period $\left(P_{\mathrm{t}}\right)$ from January to December of the base year (2010). If some of the monthly prices in the observation period are missing, only the available monthly prices are included in the calculation.

$$
P_{o, i, j}=\frac{1}{M_{i, j}} \sum_{t} P_{t, i, j}
$$

( 0 : base period $M$ : number of months where prices exist $t$ : month $i$ :item $j$ : municipality)

The prices of fresh food are calculated as weighted arithmetic means using monthly weights. If some of the monthly prices in the observation period are unavailable, only available monthly prices are included in the calculation.

$$
\begin{aligned}
& P_{0, i, j}=\frac{\sum_{t} P_{t, i, j} w_{t, i, j}}{\sum_{t} w_{t, i, j}} \\
& \text { (w: weight) }
\end{aligned}
$$

Chapter 4 Calculation of the weight $\left(W_{0}\right)$

1 Scope of the Family Income and Expenditure Survey (FIES) items adopted for the weights In the FIES, living expenditures are categorized as follows.


As the CPI is designed to measure changes in prices of goods and services consumed by household throughout the country, the scope of the FIES items used for the calculation of weights is limited to the household consumption expenditure. The CPI does not cover non-consumption expenditures (such as direct taxes and social insurance premiums) or disbursements other than expenditure (such as security purchases, purchase of houses and land).

Also, the following items of consumption expenditure are excluded from the scope of the CPI because markets do not generally exist for such items, the relationship between payment and counter value is not clear or they involve income transfer to other households.
a) Religious contributions

Religious contributions cannot be specified, because the costs such as donations to religious association and offerings to temples or churches do not have any concrete values and the amounts are arbitrary.
b) Donation

Donations such as general donations and community chest cannot be specified because they have no concrete counter value and the amounts are arbitrary, just as for religious contributions.
c) Money gifts

Money gifts such as betrothal money, farewell gifts, consolation payments and gratuity (tips) are income transfer, not a purchase of goods or a counter value of services. They will be re-spent by the household receiving them, and it seems that their spending patterns are approximated by the consumption structure which is the basis of the consumption of weights.
d) Other obligation fees

Obligation fees such as fees for neighborhood association, firefighting and street lamps are a kind of public duties. The concept of price is not applied to them.
e) Remittances

Remittances such as education expenses, house rent and living expenses for students studying away from home are income transfer and not counter values.

2 Calculation of the weights for the basic classification indices
In order to distinguish the municipalities used in CPI and FIES, the municipality used in the RPS for the CPI is referred to as the "CPI municipality" and that used in the FIES is referred to as the "FIES municipality".
(1) Calculation of the weights by FIES municipality

Via the following procedure, the weights for the FIES municipality are calculated before calculating the weights by CPI municipality ${ }^{8}$.
a) Allocation of expenditure by item in the FIES to the CPI items

The weights allocated to each item is calculated on the basis of the 2010 yearly average of monthly expenditures by item per household, derived from the FIES (two-or-more-person households).

However, the coverage of items which the FIES uses for the classification (hereinafter referred to as FIES items) and the CPI items differs partially. Moreover, items called "Others" in the FIES are not included in the CPI items. Thus, items in FIES and the CPI do not correspond 1 to 1 . Therefore, expenditures by item in the FIES are allocated to the CPI items as follows.
There are two types of rate of allocation, for nationwide and for prefectures or municipalities.

[^5]1) When there is 1 to 1 correspondence between the FIES item and the CPI item, the correspondence is maintained.

| $\langle$ FIES $>$ |  | $<$ CPI $\rangle$ |
| :--- | :--- | :--- |
| Tuna fish | - | Tuna fish |
| Horse mackerel | - | Horse mackerel |
| Sardines | - | Sardines |

2) When there are no CPI items corresponding to the FIES items, items are allocated as follows.

- When there is a CPI item that represents the FIES items, weights of those items are combined to the CPI item.

- When a CPI item which represents FIES items cannot be specified, weights are allocated proportionally to each item in the index group in question ${ }^{9}$.

| $<$ FIES $>$ |  |
| :--- | :--- |
| "Sashimi", mixed set | $<$ CPI $>$ |
|  | Allocated proportionally to items included in |
| the group "Fresh fish and seafood" (excluding |  |
|  | Short-necked clams, Oysters and Scallops) |

- When several CPI items correspond to one FIES item, the rates of allocation are determined by expenditure ratios which are obtained from other statistics such as special tabulation of the FIES and the National Survey of Family Income and Expenditure (NSFIE).


3) Weights of items called "Others" in the FIES are allocated as follows.

- When several CPI items are included in the item called "Others" in the FIES, the rates of allocation are determined by expenditure ratios, which are obtained from other statistics such as special tabulation of the FIES and the NSFIE.


[^6]- When there are no CPI items included in the item called "Others" in the FIES, weights are allocated proportionally to each item in the index group in question.

```
< FIES > < CPI >
Other noodles
Allocated to proportionally items included in the group "Noodles"
```

4) "Pocket money" and "social expenses" are allocated to CPI items by the rates of allocation on the basis of "private living expenditure" in the NSFIE.
"Package tours (domestic)" are divided into hotel charges, transportation fares, costs of meals and others using data from other statistics and allocated to the corresponding group and item.
b) Inclusion of weights for the imputed rent

Weights for the imputed rent by municipality of the FIES, which are calculated based on the "Imputed rent" in the NSFIE, are included. As for details of the calculation, refer to "Appendix 3 Calculation of the weights for the imputed rent."
(2) Calculation of the weights by municipality in the CPI

Using the weights by the FIES municipality obtained from the calculation above (1), weights by the CPI municipality are calculated as follows.
a) Correspondence of the FIES municipalities to the CPI municipalities

Weights for cities with prefectural governments, Kawasaki-shi, Hamamatsu-shi, Sakai-shi and Kitakyushu-shi are corresponded directly. As for other cities, the average figures of "the district and the city group", to which the municipality in question belongs are corresponded.
b) Correction depending on the actual situation of the CPI municipalities

Weights for several items, such as fees for water \& sewerage charges and kindergarten fees, are corrected and redistributed, depending on the actual situation of the municipality.
c) Adjustment depending on the scale of the stratum

Weights for each municipality, as calculated above, cannot be used for the official indices for Japan because the scale of the stratum where each municipality is sampled is not reflected. Therefore, final weights by the CPI municipalities are calculated by multiplying coefficients ${ }^{10}$ that are proportional to the scale of each stratum (the number of two-or-more-person households).
(3) Calculation of monthly weights for fresh food

Since monthly purchase quantities greatly fluctuate by item, the monthly weights of fresh food are calculated with the following procedure.
a) Calculation of purchase quantity ratio

[^7]Using purchase quantities obtained from the FIES, the ratio of purchase quantity of each month to the yearly average of monthly purchase quantity is calculated by item.

$$
\begin{aligned}
q_{m, i} & =\frac{q_{(2009, m), i}+q_{(2010, m), i}}{2} \\
r_{m, i} & =\frac{q_{m, i}}{\frac{1}{12} \sum_{m=1}^{12} q_{m, i}}
\end{aligned}
$$

( $r$ : ratio of purchase quantity of each month to average monthly quantity $q$ : purchase quantity $i$ : item $m$ : month)
As for quantities, average of two year (2009 and 2010) is used.
b) Calculation of monthly weights

Multiplying the monthly purchase quantity ratio obtained from the above a) by the annual average weight by item, the monthly weight by item is calculated.

$$
w_{m, i}=w_{i} \times r_{m, i}
$$

( $w_{m, i}$ : monthly weights before group adjustment $w_{i}$ : annual average item weight)
c) Adjustment to group weights

Although group weights for "Fresh fish \& seafood", "Fresh vegetables" and "Fresh fruit" are fixed all year round, the sum of monthly weights by items obtained from the above b) does not coincide with the group weights calculated by the annual average. To avoid this inconsistency, monthly adjustment ratios are calculated and multiplied by item weights for the corresponding month, whereupon final monthly weights are calculated.

$$
\begin{aligned}
& w_{m, i}^{\prime}=w_{m, i} \times \frac{W}{\sum_{i=1}^{n} w_{m, i}} \\
& \left(w_{m, i}^{\prime}: \text { monthly weights } \quad W: \text { annual average weight for upper level group }\right)
\end{aligned}
$$

3 Calculation of the weights for the goods and services classification
Weights for the goods and services classification are calculated by adding weights for the basic classification for each item by the goods and services classification.

4 Calculation of the weights for index based on baskets of specific household groups Weights for Japan are calculated by the following categories.

- Total households
- Yearly Income Quintile Groups of Workers’ Households
- Retired Elderly Households
- By Age Group of Household Head
- By Occupation of Household Head
- By Type of Tenure of Dwelling of Household Head

To calculate weights, the 2010 yearly average of monthly expenditures by item per household by each category in the FIES are used and the target households are those with two-persons-or-more, except for the total household weights. The allocation method from FIES items to CPI items and rates of allocation are the same as weights for Japan for the basic classification.

Chapter 5 Method of index calculation and the index series

## 1 Index formula

The index is calculated as the weighted arithmetic mean with a fixed basket in the base period preceding the observation period (Laspeyres formula).

$$
\begin{aligned}
& I_{t}=\frac{\sum_{i=1} \sum_{j=1} p_{t, i, j} q_{0, i, j}}{\sum_{i=1} \sum_{j=1} p_{0, i, j} q_{0, i, j}} \times 100=\frac{\sum_{i=1} \sum_{j=1} \frac{p_{t, i, j}}{p_{0, i, j}} w_{0, i, j}}{\sum_{i=1} \sum_{j=1} w_{0, i, j}} \times 100 \\
& I \text { : index } \quad p \text { : price } \quad q \text { : quantity } \quad w \text { : weight }(=p q) \\
& i \text { : item } \quad j: \text { municipalities } \quad 0 \text { : base period } \quad t \text { : observation period }
\end{aligned}
$$

## 2 Process of the index calculation

The process of index calculation is as follows. Firstly, indices of items for municipality are calculated, followed by indices of items for Japan and for districts and city groups. Finally, indices for upper level groups and All items indices are calculated for each area.

During the process of the calculation of indices, they are not rounded. In the statistical tables, figures are rounded off to one decimal place.

(1) Calculation of indices of items for municipalities

Indices of items are calculated by dividing the price for each municipality in the observation
period by the price in the base period.
(2) Calculation of indices of items for districts, city groups and Japan

First, indices of item for each municipality are calculated. Then, they are averaged with the respective weights for each municipality to obtain the indices of item for districts, city groups and Japan.

## (3) Calculation for group index and All items index

Indices of items for Japan, districts, city groups and municipalities are calculated and then averaged with weights by item for each municipality to obtain the group index. Subsequently, the indices are averaged with weights by group to obtain the All items index.

When calculating the group indices for fresh food, the monthly weights are used for the weights of items.

3 Process for the case when the prices in the observation period are not available
When prices of a certain item in a surveyed municipality unavailable such as temporary shortage of the item, the index and weight of the item are excluded from the calculation (actually, it is impossible to calculate as the price is unavailable).

In the aggregation from items to a group, as a consequence, the group index calculated from other items in the same group is substituted for the price movement of the index for the item whose price is missing ${ }^{11}$.

In the calculation of indices from lower level groups to upper level group, group weights including the weight of the item whose price is missing are used to avoid the fluctuation of each group weight.

## 4 Calculation of average indices for calendar year, fiscal year and so on

(1) Average indices for calendar year

Average indices for calendar year are calculated as the simple arithmetic means of monthly indices (published figures after rounding of fractions) from January to December for each item and group. As for items of fresh food, indices are calculated as weighted arithmetic means by monthly weights. In the statistical tables, figures are rounded off to one decimal place.
(2) Average indices for fiscal year

Average indices for fiscal year are calculated by using monthly indices from April to March the following year, using a method similar to that of the average indices for calendar year.

[^8](3) Quarterly and half-yearly average indices

Quarterly average indices are calculated for periods from January to March, April to June, July to September and October to December, while those of half-yearly average indices are from January to June and July to December and calculated in the same manner as yearly average indices.

5 Calculation of the rate of change
(1) Change from the previous month

Change from the previous month is calculated by item and group by the following equation:

$$
\text { Change from the previous month (\%) }=\frac{I_{\text {this month }}-I_{\text {the previous month }}}{I_{\text {the previous month }}} \times 100
$$

(I: index)
(2) Change over the year

Change over the year is calculated by item and group, by the following equation:

| Change from the same |
| :--- |
| month of the previous |
| year (\%) |$\quad=\frac{I_{\text {this month }}-I_{\text {same month of the previous year }}}{I_{\text {same month of the previous year }}} \times 100$

(I: index)

Changes from the previous quarter, the previous half-year and over the year are calculated in the same way.

The rate of change is calculated with an index before rounding of fractions. In the statistical tables, figures are rounded off to one decimal place.

6 Calculation of the contribution to the total change and the rate of contribution
(1) Calculation of the contribution to the total change

Contribution to the total change represents the number of percentage points by which the change of an index for an item or group contributes to the change of the All items index. The sum of contribution to total change is equal to the rate of change of the All items index ${ }^{12}$. The calculation formula is as follows:

[^9]| Contribution of an <br> item A to the total <br> change$=\frac{\left(I_{\text {item A in this period }}-I_{\text {item A in the previous period }}\right) \times \frac{w_{\text {item A }}}{W_{\text {All items }}} \times 100}{I_{\text {All itmes in the previous period }}} \quad$ (I: index w: weight) |
| :--- |

However, the contribution to total change over the year of items categorized as fresh food is calculated using the following formula:

| Contribution <br> of an item A $=\frac{\left(I_{\text {item A in this month }} \times w_{\text {item A in this month }}\right)-\left(I_{\text {item A in the previous month }} \times w_{\text {item A in the previous month }}\right)}{I_{\text {All items in the previous month }} \times w_{\text {Allitems }}} \times 100$ <br> to the total <br> change$\quad(I:$ index $w$ : weight) |
| :--- |

The contribution to total change is calculated with an index before the rounding of fractions. In the statistical tables, figures are rounded off to two decimal places.
(2) Calculation of the rate of contribution

The rate of contribution shows the rate of contribution of each item to the All items index in \%.
Rate of contribution of an item $\mathrm{A}(\%)=\frac{\text { Contribution of an item A to the total change }}{\text { Rate of change of the All items index (\%) }} \times 100$

The sum of the rate of contribution of all items is $100 \%{ }^{13}$. The rate of contribution is calculated using the figures calculated above (1) (before the rounding of fractions). In the statistical tables, figures are rounded off to one decimal places.

## 7 Index series

(1) Basic classification indices

Indices by basic classification, classified by the use and function of goods and services purchased by households and based on the classification by consumption expenditure in the FIES are calculated.

The following indices are calculated as the reference to basic classification indices. They are calculated as follows.
a) Fresh food

[^10]"Fresh food" is calculated by averaging group indices of "Fresh fish \& seafood", "Fresh vegetables" and "Fresh fruits" with each group weight.
b) All items, less fresh food
$$
\text { All items, less fresh food }=\frac{\left(I_{\text {Allitems }} \times w_{\text {Allitems }}\right)-\left(I_{\text {fresh food }} \times w_{\text {fresh food }}\right)}{w_{\text {Allitems }}-w_{\text {fresh food }}} \times 100
$$ (I: index $w$ : weight)

The index of "Food, less fresh food" is calculated by the same method.
c) All items, less imputed rent

$$
\text { All items, less imputed rent }=\frac{\left(I_{\text {All items }} \times w_{\text {All items }}\right)-\left(I_{\text {fresh food }} \times w_{\text {fresh food }}\right)}{w_{\text {All items }}-w_{\text {fresh food }}} \times 100
$$ (I: index $w$ : weight)

"Housing, less imputed rent" and "Rent, less imputed rent" are calculated by the same method.
d) All items, less imputed rent and fresh food

All items, less imputed rent and fresh food

$$
=\frac{\left(I_{\text {All items less imputed rent }} \times w_{\text {All items less imputed rent }}\right)-\left(I_{\text {fresh food }} \times w_{\text {fresh food }}\right)}{w_{\text {All items less imputed rent }}-w_{\text {fresh food }}} \times 100
$$

(I: index w: weight)

## e) Energy

The index of "Energy" is calculated by averaging indices of five items, "Electricity", "Gas, manufactured \& piped", "Liquefied propane", "Kerosene" and "Gasoline" with each weight.
f) All items, less food (less alcoholic beverages) and energy

All items, less food (less alcoholic beverages) and energy

$$
\begin{array}{r}
=\frac{\left(I_{\text {general }} \times w_{\text {general }}\right)-\left[\left(I_{\text {food }} \times w_{\text {food }}\right)-\left(I_{\text {alcoholic beverages }} \times w_{\text {alcoholic beverages }}\right)\right]-\left(I_{\text {energy }} \times w_{\text {energy }}\right)}{w_{\text {general }}-\left(w_{\text {food }}-w_{\text {alcoholic beverages }}\right)-w_{\text {energy }}} \times 100 \\
\text { (I: index w: weight) }
\end{array}
$$

g) Expenses for education

The index of expense for education is calculated by averaging the item or group indices categorized into education with each weighting.
h) Expenses for culture \& recreation

The index of expenses for culture \& recreation is calculated by averaging the item or group indices categorized into culture \& recreation with each weight.

## i) Expenses for information \& communication

The index of expenses for information \& communication is calculated by averaging indices categorized into information $\&$ communication with each weight.

The basic classification indecies are calculated, as shown in the following table, for a total of 71 series including Japan, Ku-area of Tokyo and city group, Districts, Major Metropolitan, Cities with Prefectural Governments (excluding the Ku-area of Tokyo) and government ordinance-designated cities (Kawasaki-shi, Hamamatsu-shi, Sakai-shi and Kitakyushu-shi).

| Series | month | Quarterly/ half yearly <br> (only in Japan and the <br> Ku-area of Tokyo) | Calendar and <br> fiscal year |
| :--- | :---: | :---: | :---: |
| All items/ 10 major group | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Subgroup classification | $\bigcirc$ | - | $\bigcirc$ |
| Minor group classification (only <br> in Japan and the Ku-area of <br> Tokyo) | $\bigcirc$ | - | $\bigcirc$ |
| item (only in Japan and the <br> Ku-area of Tokyo) | $\bigcirc$ | - | $\bigcirc$ |
| Analytical series | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |

(2) Goods and services group indices

After classifying items depending on whether they are goods or services, Goods and services group indices, segmentized by using industrial classification as a reference, are calculated.

Goods and services group indices are calculated by averaging the price indices of items in a group classified by goods and services with weightings for each item. Indices of item, weights and formulas used for calculating indices are the same as those for the basic classification.

As for the reference to goods and service group indices, indices are calculated by averaging indices of items and groups classified in each category with each weight.

Index by monthly, quarterly average, half yearly average, calendar yearly average and fiscal yearly average are calculated for Japan and Ku-area of Tokyo.
(3) Indices aggregated based on baskets of specific household groups

The CPI measures the price movement of items purchased by households having a normal consumption pattern, but in practical terms, the consumption pattern varies depending on the
conditions of household head such as income, age and occupation, which are closely related to the number of family members and consumption activities. These matters may also impact on the price fluctuation.

Therefore, the following indices aggregated based on baskets of specific household groups are calculated.

Indices of item are the same as those for the basic classification, while weights are those calculated for each baskets of specific household groups ${ }^{14}$. Therefore, differences in indices calculated based on baskets of specific household groups result from the difference of item weights by specific household groups, i.e. the difference in the pattern of living expenditure.
a) Subgroup Index for Total Households $\qquad$ monthly and annually
b) Subgroup Index by Yearly Income

Quintile Group ${ }^{15}$ of Worker's Households $\qquad$ monthly and annually
c) Subgroup Index for Retired Elderly Households monthly and annually
d) 10 Major Group Index by Age Group ${ }^{16}$ of Household Head $\qquad$ annually ${ }^{17}$
e) 10 Major Group Index by Occupation ${ }^{18}$ of Household Head annually
f) 10 Major Group Index by Type of Tenure of Dwelling ${ }^{19}$ of Household Head $\qquad$ annually
(4) Indices by the characteristics of items
a) Indices by goods groups classified according to elasticity to consumption expenditure

Categorizing each item by expenditure elasticity obtained from the FIES, the indices by goods groups classified according to elasticity of consumption expenditure is calculated.
<< Expenditure elasticity >>
Less than 1 ........................................... Item classified as basic expenditure
More than 1 $\qquad$ Item classified as selective expenditure
b) Indices of annual purchase frequency classes

Items are classified based on the annual purchase frequency per household obtained from the FIES, and indices are calculated by the class of purchase frequency.
<< Classes of purchase frequency >>
Items seldom purchased. $\qquad$ less than 0.5 times a year

Items purchased about once a year $\qquad$ 0.5 times and over, but less than 1.5 times a year

[^11]Items purchased about once every six months $\qquad$ 1.5 times and over, but less than 4.5 times a year Items purchased about once every two months $\qquad$ .4 .5 times and over, but less than 9.0 times a year Items purchased about once a month $\qquad$ .9.0 times and over, but less than 15.0 times a year Items frequently purchased. $\qquad$ 15.0 times and over a year

The indices of a) and b) are calculated as shown in the following table.

| Series | Monthly | Yearly |
| :---: | :---: | :---: |
| All items, less imputed rent | $\bigcirc$ | $\bigcirc$ |

## (5) Supplementary indices

For the calculation of the CPI, Laspeyres formula is applied and the base period and weights have been fixed for 5 years, i.e. the CPI measure changes of the cost of purchasing goods and services in a fixed "consumption pattern".

However, the consumption pattern of households changes due to aging, low birth rate, taste such as health consciousness, and emergence of new diseases. To correspond to such changes in consumption pattern and to update weights more frequently, the following two indices are compiled as supplementary indices.
a) CPI by the Laspeyres chain index

An index is calculated at a point in time based on the immediately previous point in time (known as the link index), whereupon an index is calculated by multiplying the neighboring link indices between two time points in series (known as the chain index).

Since the chain index is calculated by linking indices calculated by changing the base period of prices and weights, it can respond to changes of consumption pattern more rapidly than the Laspeyres index; the base period of which is revised every 5 years (however, a phenomenon called "drift" may occur when price increases and decreases are repeated). The index formulas are the following 1) and 2). The weight is annually updated by using the annual results of FIES (households with two and more family members) in the previous year. The chain index is calculated with the method used in December of the previous year. The Laspeyres formula is used for link indices. Monthly and annual indices are calculated for Japan, but the monthly index is calculated only for the series less fresh food.

1) Monthly index

The monthly index is calculated for the subgroup (including the reference) excluding fresh food. The price ratio by item used for the Laspeyres link index is calculated by dividing the price index by item during the observation period by the price index by item in December the previous year.

## < Monthly index >

(Laspeyres link index (L)) $I_{y, m}^{(L)}=\frac{\sum_{i=1}^{n} \frac{I_{y, m, i}}{I_{y-1,12, i}} w_{y-1, i}}{\sum_{i=1}^{n} w_{y-1, i}}$
(Laspeyres chain index (C))

$$
I_{y, m}^{(C)}=I_{0,12} \times \prod_{Y=1}^{y-1} I_{Y, 12}^{(L)} \times I_{y, m}^{(L)}
$$

( $Y, y$ : year $m$ : month 0 : base year $i$ : item $n$ : number of items $w$ : weight)
2) Annual index

The annual index is calculated for the subgroup including fresh food (including the reference). The price ratio by item used for the Laspeyres link index is calculated by dividing the annual price index by item (averaging the monthly price indices by item by the number of months where prices exist) during the observation period by the annual price index by item of the previous year.

The annual indices of items categorized into fresh food are calculated by averaging with the monthly weighting.

$$
\begin{aligned}
& <\text { Annual index }> \\
& \text { (Laspeyres link index }(L)) \quad I_{y}^{(L)}=\frac{\sum_{i=1}^{n} \frac{I_{y, i}}{I_{y-1, i}} w_{y-1, i}}{\sum_{i=1}^{n} w_{y-1, i}} \\
& \text { (Laspeyres chain index (C)) } \quad I_{y}^{(C)}=I_{0} \times \prod_{Y=1}^{y-1} I_{Y}^{(L)} \times I_{y}^{(L)} \\
& (Y, y: \text { year } m \text { : month 0: base year } i \text { : item } n: \text { number of items } w \text { : weighting) }
\end{aligned}
$$

The monthly index is published in time with the publication of confirmed data for the month in question, but for some time at the beginning of the year, a temporary index is calculated by using the weighting of two years ago due to incompletion of the previous year's weighting. When the results of FIES are published, a confirmed index is calculated with the previous year's weighting and a revised index extending back to January is published.
b) CPI by the midpoint-year basket method

The CPI by the midpoint-year basket method calculates indices based on the basket in the middle year between the base year and the observation year. For details, refer to "Appendix 4 Calculation of the CPI by midpoint-year basket method".

Although this method uses and older reference year than that of the Laspeyres chain index method, under the normal situation when the consumption pattern changes smoothly, it is possible that this method corresponds to the changes of the consumption pattern more appropriately.

An annual index for the subgroup including fresh food (including the reference) is calculated for Japan.

## Chapter 6 Linking of new and old indices

1. Method of linking new and old indices

To enable time series comparison for every index series, new and old indices are linked.
The link of old base indices to 2010-base indices is as follows.
(1) Linking of new and old indices

Old and new indices are linked in terms of district, All items index, group and item by dividing indices whose base year is 100 by yearly average indices in the next base year. Therefore, for indices having their base years before 2010 as 100, this procedure must be repeated after every revision. In these cases, rounding is performed only at the final stage, where the 2010-base is 100, because rounding errors would accumulate if rounding was performed in every link.

In tabulation, link coefficients, which are calculated by multiplying all reciprocals of yearly averaged indices used for the link to 2010-base index, are calculated and link is done by dividing old-based indices by these coefficients.

Example: The case when 1995-base indices are linked to 2010-base indices.

| 2010-base linked index $=1995-$ base index | $\times \frac{100}{2000 \text { average index (1995-base) }}$ |
| :---: | :---: | :---: | :---: |
|  | $\times \frac{100}{2005 \text { average index (2000-base) }}$ |
|  | $\times \frac{100}{2010 \text { average index (2005-base) }}$ |

Therefore, the link coefficients are obtained by multiplying all reciprocals of old-base yearly average index of the new base year.

| Link |  |
| :--- | :---: | :---: |
| coefficient $=$ | 2000 average index <br> (1995-base) |
| 100 |  |$\frac{$| 2005  average index  |
| :---: |
| $(2000-b a s e)$ |}{$\frac{100}{2010 \text { average index }}$|  (2005-base)  |
| :---: |} | 100 |
| :---: |

Using this link coefficient, the 1995-base index is linked to the 2010-base index.

2010-base linked index = 1995-base index / link coefficient
(2) Link for items changed in the 2010-base

The link principally applies for 2010-base groups and items. When codes of items (groups) do not correspond to those of the 2005-base among those groups and items, ensure they are made to
correspond as shown in the following table:

| 2010-base groups and items |  | 2005-base groups and items |  |
| :--- | :--- | :--- | :--- |
| 3000 | House rent, private | 0047 | House rent, private |
| 3030 | Imputed rent | 0050 | Imputed rent |
| 7446 | Cellular phones | 7443 | Cellular phones |
| 6210 | Delivery fees in national and <br> public hospital | 6212 | Delivery fees in public hospital |

(3) Link for districts changed in the 2010-base

The link principally applies for 2010-base districts. When codes of districts do not correspond to those of the 2005-base among those groups and items, ensure they are made to correspond as shown in the following table:

| 2010-base codes for districts |  | 2005-base codes for districts |  |
| :--- | :--- | :--- | :--- |
| 00018 | Kinki Major Metropolitan Area | 00018 | Keihanshin Major Metropolitan Area |
| 15100 | Niigata-shi | 15201 | Niigata-shi |
| 22100 | Shizuoka-shi | 22201 | Shizuoka-shi |
| 33100 | Okayama-shi | 33201 | Okayama-shi |

2 Range for calculating linked indices
The range of linked indices is as follows.
(1) Basic classification indices

The following indices are calculated for Japan, the Ku-area of Tokyo, city groups, districts, major metropolitan areas, cities with prefectural governments (excluding the Ku-area of Tokyo) and the government ordinance-designated cities Kawasaki-shi and Kitakyushu-shi).

|  | $\mathrm{Japan}^{20}$ and Ku-area of Tokyo |  | $\begin{aligned} & \text { City groups }^{21} \text {, districts }{ }^{22} \text {, } \\ & \text { major metropolitan areas, } \\ & \text { cities with prefectural } \\ & \text { governments }{ }^{23} \text { and the } \\ & \text { government } \\ & \text { ordinance-designated cities }{ }^{23} \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Monthly | Yearly/ fiscal yearly average | Monthly | Yearly/ fiscal yearly average |
| All items <br> All items less fresh food | since January $1970$ | since 1970 | since January $1970$ | since 1970 |
| All items, less food (less alcoholic beverages) and energy | since January $1970$ | since 1970 | since January $2005$ | since 2005 |
| All items, less imputed rent | since August 1946 | since 1947 | since January $1970$ | since 1970 |
| 10 major groups ${ }^{24}$ | since January 1970 | since 1970 | since January 1970 | since 1970 |
| Subgroups (including reference indices | since January $1970$ | since 1970 | since January $1970$ | since 1970 |
| Minor groups | since January $1970$ | since 1970 |  |  |
| By item | since January $1970$ | since 1970 |  |  |

(2) Goods and services group indices

Yearly average and monthly indices (since 1970) are calculated for Japan and the Ku-area of Tokyo. However, recombined links are not done for the reference indices of "House rent, private (wooden houses)", "House rent, private (non-wooden houses)", "Imputed rent (wooden houses)" and "Imputed rent (non-wooden houses)".
(3) Other indices
a) Prewar base index

The yearly averages of prewar base indices ${ }^{25}$ on five major groups ("All items", "All items, less imputed rent", "Food", "Housing", "Housing, less imputed rent", "Fuel \& light", "Clothes" and "Miscellaneous") is calculated for the Ku-area of Tokyo from 2010.

To calculate the prewar base index, firstly, the 5 major group indices are calculated based on the current price index by item, whereupon the index is multiplied by the conversion rate for the

[^12]prewar base.
b) 2005-base conversion subgroup index

To facilitate the use of the data (e.g. relation to other 2005-base economic indices), 2005-base converted subgroup indices, which are calculated by multiplying 2010 average indices (2005-base) by 2010-base indices and divided by 100, are calculated from January 2012 to July 2016.
These indices are calculated for Japan and the Ku-area of Tokyo.

3 Notice for the use of linked indices
(1) Relation between upper level and lower level groups

Since indices are linked individually for districts, each series of All items index, groups and items, the linked index for the upper level group may not correspond to that calculated from lower level groups, even in the same year or month ${ }^{26}$.
(2) Treatment of the rate of change

The rate of change from the previous month, the same month of the previous year and the previous fiscal year are published figures in each base and are not recalculated by linked indices ${ }^{27}$. For the base year, the change from the previous year, previous fiscal year, previous month of January and the same month of the previous year from January to December are figures calculated from indices in the old base. Therefore, the rate of change does not always match figures calculated by linked indices.

Indices and change from the previous month (excluding January) in the base year, indices and change from the previous month and the same month of the previous year in the following year are revised to figures in the new base after the switch to the new base.

[^13]
## Chapter 7 Seasonal Adjustment

1 Calculation method of seasonally adjusted indices
The seasonally adjusted index is calculated to determine the basic trend of price fluctuation. A program called X -12- ARIMA, developed by the U.S. Census Bureau, is used for the seasonal adjustment. The ARIMA model's specification file (at the time of the 2010-base revision) is shown below.

```
series{start=2005.01
span=(2005.1,2010.12)
period=12
decimals=0}
transform{function=log}
regression{ }
x11{sigmalim=(2 3)
    seasonalma=X11default
    appendfcst=yes
    save=(d10 d11)}
arima{ model=(0 1 1)(0}111)
estimate{ }
```

2 Data used to calculate seasonally adjusted indices
The indices after January 2005, which are linked to the 2010 average index by series, are used to calculate seasonally adjusted indices.

| 2010-base linked index (Original |
| :---: |
| series for Seasonal adjustment) |$=$ 2005-base index $\times \frac{\text { 2010-base } 2010 \text { average index (100) }}{\text { 2005-base } 2010 \text { average index }}$

3 Recalculation of seasonally adjusted indices
The seasonal adjustment of time sequential data released every month are calculated by dividing the monthly original series in the current year by a seasonal factor from January to December of the current year (estimated seasonal index), obtained from data from January of the beginning year of 2005 to December of the previous year. After that, when the data in this year are available, all seasonally adjusted indices including these new data are recalculated. When data for a new year are finalized, all past seasonally adjusted indices are recalculated including these new data.

4 Available series of seasonally adjusted indices
The 8 seasonally adjusted series shown below are calculated for Japan and Ku-area of Tokyo.
< Basic index >

- All items
- All items, less fresh food
- All items, less imputed rent
- All items, less imputed rent \& fresh food
- All items, less food (less alcoholic beverages) and energy
< Goods and services group index >
- Goods
- Semi-durable goods
- Goods, less fresh food
[Reference] Method of seasonal adjustment
There are two methods for seasonal adjustment. One is the method which adjusts indices by each group as All items, 10 major group and subgroups (individual method), and the other is the method which calculates seasonally adjusted indices by item, and upper level seasonally adjusted indices by averaging indices by item by each weight (implicit method).

Some CPI items such as school fees which changes every April, show stepwise movement. We cannot apply the seasonal adjustment model to these items. Therefore, individual method is applied to group indices (e.g. All items) as a seasonal adjusted method.

## Appendix 1 Calculation of the price index for PCs and cameras by Hedonic approach

For three items, "Personal computers (desktop)", "Personal computers (notebook)" and "Cameras", it is difficult to survey products with the same quality continuously by our traditional method, because of the high rate of technological innovation and the quite short market production cycles. Therefore, for these three items, we calculate the price indices of items by using scanner data on prices, quantities and the characteristics obtained from the POS information collected from major electric appliance stores.
(1) For each of "Personal computers (desktop)", "Personal computers (notebook)" and "Cameras", a semi-log regression model is formulated with an explained variable of the average sales price of each model and with an explanatory variable ${ }^{28}$ of the characteristics of each item such as the hard-disk volume, the amount of memory installed or the zoom ratio of the lens and sales period.

Multiple linear regression model for two consecutive months $(t-1, t)$
$\ln p_{T}=\alpha_{t}+\beta_{t} \delta_{T, t}+\sum_{k} \mathrm{Y}_{t, k} x_{k}$
$p_{T}$ : sales price $T$ : point of spot $t-1, t \quad k$ : characteristics used for the explanatory variable
$\alpha_{t}, \beta_{t}, \gamma_{t, k}$ : partial regression coefficient $x_{k}$ : characteristic volume
$\delta_{T, t}$ : dummy variables for sales period
$\left\{\begin{array}{l}0 \text { when } T=t-1 \\ 1 \text { when } T=t\end{array}\right.$
(2) For all models sold ${ }^{29}$ this month ( $t$ ) and the previous month $(t-1)$, a regression calculation is carried out with the regression model mentioned above (1), using the total number of each sold model as a weight to determine the price estimation formula of each month.

$$
\begin{aligned}
& \text { (Previous month) } \ln \hat{p}_{t-1}=\hat{\alpha}_{t} \quad+\sum_{k} \hat{Y}_{t, k} x_{k} \\
& \text { (This month) } \ln \hat{p}_{t}=\hat{\alpha}_{t}+\hat{\beta}_{t}+\sum_{k} \hat{Y}_{t, k} x_{k} \\
& \text { (hat " } \wedge \text { " means estimated value) }
\end{aligned}
$$

(3) A link index based on the previous month is calculated with the above mentioned price estimation formula obtained in (2).

[^14]\[

$$
\begin{aligned}
I_{t}^{(L)} & =\frac{\hat{p}_{t}}{\hat{p}_{t-1}} \\
& =\frac{\exp \left(\hat{\alpha}_{t}+\hat{\beta}_{t}+\sum_{k} \hat{\mathbf{Y}}_{t, k} x_{k}\right)}{\exp \left(\hat{\alpha}_{t}+\sum_{k} \hat{\mathbf{Y}}_{t, k} x_{k}\right)} \\
& =\exp \left(\hat{\beta}_{t}\right)
\end{aligned}
$$
\]

(4) The chain index of this month $(t)$ is calculated by multiplying the link index calculated in the above mentioned (3) by the index of the previous month $(t-1)$, $(2010=100)$.

$$
I_{t}^{(C)}=I_{t-1}^{(C)} \times I_{t}^{(L)}
$$

[List of subject items (74 items)]

| Group | No. | Items | Area | Price used | Group | No. | Items | Area | Price used |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Housing | 3000 | House rent, private | By municipality | Day being surveyed | Transportation \& communicatio (continued) | 7070 | Airplane fares | Uniform within Japan | Everyday |
|  | 3016 | House rent, public | By municipality | Day being surveyed |  | 7363 | National expressway tolls | Uniform within Japan | Day being surveyed |
|  | 3017 | House rent, Urban <br> Renaissance <br> Agency \& public corporation | By municipality | Day being surveyed |  | 7364 | City expressway tolls | Excluding Hokkaido and Okinawa | Day being surveyed |
|  | 3030 | Imputed rent | By municipality | Day being surveyed |  | 7105 | Automobile (less than 660 cc ) | Uniform within Japan | Day being surveyed |
|  | 3180 | Fire insurance premium | By municipality | Day being surveyed |  | 7106 | (more than 660cc, but less than $1,500 \mathrm{cc}$ ) | Uniform within Japan | Day being surveyed |
| Fuel, light \& water charges | 3500 | Electricity | By municipality | Day being surveyed |  | 7107 | (more than 1,500cc, but less than 2,000cc) | Uniform within Japan | Day being surveyed |
|  | 3600 | Gas, manufactured \& piped | By municipality | Day being surveyed |  | 7110 | $\begin{aligned} & \text { (less than } \\ & 2,000 \mathrm{cc} \\ & \text { (imported)) } \\ & \hline \end{aligned}$ | Uniform within Japan | Day being surveyed |
|  | 3612 | Liquefied propane | By municipality | Day being surveyed |  | 7113 | $\begin{array}{\|l\|l} \text { (more than } \\ 2,000 c c) \end{array}$ | Uniform within Japan | Day being surveyed |
|  | 3810 | Water charges | By municipality | Day being surveyed |  | 7115 | $\begin{aligned} & \text { (more than } \\ & 2,000 \mathrm{cc} \\ & \text { (imported)) } \end{aligned}$ | Uniform within Japan | Day being surveyed |
|  | 4610 | Sewerage charges | By municipality | Day being surveyed |  | 7344 | Charges for rental car | Uniform within Japan | Day being surveyed |
| Furniture \& housekeeping utensils | 4510 | Charges for treatment of human waste | By municipality | Day being surveyed |  | 7370 | Automotive insurance premium (compulsion) | Excluding Okinawa, Okinawa and islands of Okinawa | Day being surveyed |
|  | 4521 | Recycle fees | Uniform within Japan | Day being surveyed |  | 7390 | Automotive insurance premium (option) | Uniform within Japan | Day being surveyed |
| Medical care | 6090 | Supplements | Uniform within Japan | Day being surveyed |  | 7410 | Telephone charges | By municipality | Day being surveyed |
|  | 6200 | Medical treatment | Uniform within Japan | Day being surveyed |  | 7430 | Mobile telephone charges | Uniform within Japan | Day being surveyed |
|  | 6210 | Delivery fees in national hospital | Uniform within prefectures | Day being surveyed |  | 7446 | Cellular phones | Uniform within prefectures | Day being surveyed |


| Group | No. | Items | Area | Price used | Group | No. | Items | Area | Price used |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Transportation } \\ & \& \\ & \text { communication } \end{aligned}$ | 7527 | Railway fares (JR) (ordinary fares) | Uniform within prefectures | Day being surveyed | Education | 8010 | Junior high school fees, private | By municipality | Day being surveyed |
|  | 7528 | (special fares, excluding "Sinkansen") | Excluding Okinawa | Day being surveyed |  | 8020 | High school fees, public | By municipality | Day being surveyed |
|  | 7530 | (special fares, for Shinkansen) | Excluding Hokkaido and Okinawa | Day being surveyed |  | 8030 | High school fees, private | By municipality | Day being surveyed |
|  | 7029 | (student's season tickets) | Uniform within prefectures | Day being surveyed |  | 8040 | College \& university fees, national | Uniform within prefectures | Day being surveyed |
|  | 7030 | (commuter's season tickets) | Uniform within prefectures | Day being surveyed |  | 8060 | College \& university fees, private | Uniform within prefectures | Day being surveyed |
|  | 7008 | Railway fares (excluding JR) (ordinary fares) | Uniform within prefectures | Day being surveyed |  | 8070 | Junior college fee, private | Uniform within prefectures | Day being surveyed |
|  | 7009 | (student's season tickets) | Uniform within prefectures | Day being surveyed |  | 8080 | Kindergarten fees, public | By municipality | Day being surveyed |
|  | 7010 | (commuter's season tickets) | Uniform within prefectures | Day being surveyed |  | 8090 | Kindergarten fees, private | By municipality | Day being surveyed |
|  | 7050 | Fixed route bus fares | By municipality | Day being surveyed |  | 8077 | Vocational school fees | Uniform within prefectures | Day being surveyed |
|  | 7057 | Expressway bus fares | Uniform within prefectures | Day being surveyed |  | 8110 | School text book | Uniform within Japan | Day being surveyed |
|  | 7060 | Taxi fares | By municipality | Day being surveyed |  | 8100 | Reference books for study | Uniform within Japan | Day being surveyed |
| Culture \& recreation | 9078 | Personal computer (desk-top) | Uniform within Japan | POS data | Miscellaneous | 9799 | Tobacco (domestics) | Uniform within Japan | Day being surveyed |
|  | 9079 | Personal computer (Notes) | Uniform within Japan | POS data |  | 9798 | Tobacco (imported) | Uniform within Japan | Day being surveyed |
|  | 9043 | Cameras | Uniform within Japan | POS data |  | 9928 | Charges for accident insurance | Uniform within Japan | Day being surveyed |
|  | 9205 | Newspapers (National) | Uniform within Japan | Day being surveyed |  | 9914 | Charges for nursing care | By municipality | Day being surveyed |
|  | 9226 | Monthly magazines | Uniform within Japan | Day being surveyed |  | 9920 | Charges for transfer commission | Uniform within Japan | Day being surveyed |
|  | 9230 | Weekly magazines | Uniform within Japan | Day being surveyed |  |  |  |  |  |


| Group | No. | Items | Area | Price used |
| :---: | :---: | :---: | :---: | :---: |
| Culture \& recreation | 9300 | Hotel charges | Uniform within Japan | Day being surveyed |
|  | 9305 | Package tour to overseas | Uniform within Japan | Everyday |
|  | 9330 | Charges for NHK TV license | Excluding Okinawa and Okinawa | Day being surveyed |
|  | 9367 | Charges for other TV license | Uniform within Japan | Day being surveyed |
|  | 9345 | Admission, soccer | Uniform within Japan | Day being surveyed |
|  | 9350 | Admission, professional baseball games | Uniform within Japan | Day being surveyed |
|  | 9353 | Charges for practicing golf | Uniform within prefectures | Day being surveyed |
|  | 9372 | Admission fee to the theme park | Uniform within Japan | Day being surveyed |
|  | 9374 | Admission fee to the art museum | Uniform within prefectures | Day being surveyed |
|  | 9397 | Internet connection charges | Uniform within prefectures | Day being surveyed |
|  | 9403 | Music download service fee | Uniform within Japan | Day being surveyed |

Excluding Okinawa:
Excluding Hokkaido and Okinawa:

Excluding Okinawa and Okinawa:

Excluding Okinawa, Okinawa and islands of Okinawa:

Uniform within areas excluding Okinawa Prefecture
Uniform within areas excluding Hokkaido and Okinawa Prefecture
Uniform within areas excluding Okinawa Prefecture and within Okinawa Prefecture

Uniform within areas excluding Okinawa Prefecture, within Okinawa Prefecture (excluding islands) and within islands of Okinawa Prefecture

Appendix 3 Calculation of the weights for the imputed rent
(1) Imputed rent used for the weight

The imputed rent estimated ${ }^{30}$ in the National Survey of Family Income and Expenditure (NSFIE), which is conducted every five years (one year before the base period, 2009 NSFIE for the 2010-base) is used. The correspondence of surveyed municipalities between the Family Income and Expenditure Survey (FIES) and NSFIE is as follows.
a) Released figures of corresponding cities are used for cities with prefectural governments and cities classified into middle and major cities.
b) As for other municipalities except for a), considering the sample size, figures of municipality groups (economic regions) within prefectures ${ }^{31}$ to which the corresponding municipality belongs are used.
(2) Deduction of expenses

As the imputed rent in the NSFIE are estimated from rents for privately owned rented house, these conceptually include rents for land and costs of repairs and maintenance for equipment. Therefore, these costs and expenses are deducted.

The expenses to be deducted are calculated as follows.
Expenses to be deducted = (1) "Repairs \& maintenance" of households having owned house - (2) "Repairs \& maintenance ${ }^{32 \text { " of households renting privately owned houses }+(3) \text { "Rents for dwelling }}$ \& land ${ }^{33 »}$ of households having owned houses.


[^15](3) Level adjustment
a) Adjustment to the FIES base

By multiplying the adjustment rate obtained from the following formula by imputed rent after the deduction calculated in (2), which is based on the 2009 NSFIE, FIES-based imputed rent from September to November ${ }^{34}$ is calculated. Adjustment rates are calculated by district and applied to all municipalities in the district.

$$
\text { Adjustment rate }=\frac{\begin{array}{c}
\text { Average living expenditure of the FIES from September } \\
\text { to November 2009 }
\end{array}}{\text { Living expenditure of the } 2009 \text { NSFIE }}
$$

b) Adjustment to 2010 average

As the imputed rent calculated in above mentioned a) is an estimated value from September to November 2009, it is multiplied by the rate of change of the CPI (herein after referred to as "CPI rate of change") calculated by the following formula. Indices for "imputed rent" in 2005-base are used for this calculation.

Indices used for calculating the CPI rate of change are indices by district to which the municipalities belong.

$$
\text { CPI rate of change }=\frac{\text { Index of } 2010 \text { average "imputed rent" }}{\text { Average of indices of "imputed rent" from September to }} \times 100
$$

(4) Computation of imputed rent per household

Imputed rent obtained from above mentioned (3) is a rent per household having and owned house. To obtain the imputed rent per household of all household including households renting houses, it is multiplied by the rate of owned houses.
The rates of owned houses of the Housing and Land Survey in 2008 ("Fundamental Statistics Survey" based on the Statistics Act (Law No. 53, 2007, hereinafter referred to as "Housing Survey") are applied as follows.
a) For 18 major cities ${ }^{35}$, the rate of owned houses in each city is applied.
b) For cities other than above mentioned a), the rate of owned houses of a prefecture (excluding the 18 major cities), to which the municipality belong, is applied.
(5) Division of imputed rent

As the "imputed rent" index is calculated from four classes of "small wooden house", "medium wooden house", "small non-wooden house" and "medium non-wooden house", the imputed rent of owned house obtained from above mentioned (4) is divided using the rate of division calculated from the results of the Housing Survey, and weights by the classes are calculated.

[^16]The rate of division for Okinawa Prefecture is unified within the prefecture.
[Reference] Method of estimating the "imputed rent of owned house" in the 2009 NSFIE
To estimate the imputed rent for owned houses, individual data for private rental houses (with exclusive use of facilities) were derived from the Housing Survey conducted in October 2008, and Japan was divided into 4 regional blocks (Tokyo, the 3 Kanto area prefectures of Saitama, Chiba and Kanagawa, the 3 Kansai area prefectures of Kyoto, Osaka and Hyogo, and other Prefectures) (regional groups for estimation). Then a regression equation was developed using structure of dwelling, time of construction and total floor space as explanatory variables for each regional group and a coefficient was determined using the least-square method.

```
<Regression equation>
    \(\ln \frac{y(i)}{S}=\left(a_{i}+\sum_{j} b_{i, j} x_{j}+c_{i} \ln S\right)\)
    i : Regional block
    \(j\) : Classes of dummy variables expressing housing characteristics
        (structure of dwelling, etc.) and regional group
    \(y\) : Rent per month (yen)
    \(x_{j}\) : Dummy variables expressing housing characteristics (structure of dwelling, etc.)
        and regional group
    \(S\) : Total floor space \(\left(\mathrm{m}^{2}\right) *\) Excluding the space for business use
    \(a_{i}, b_{i j}, c_{i}\) : Coefficients
```

Next, a household living in a self-owned house was taken from the households survey in the National Survey of Family Income and Expenditure (NSFIE). Housing characteristics of such household were fitted into the above regression equation to obtain the estimated amount of rent. This value, multiplied by the ratio of the 2005-base national CPI of "house rent, private" in October 2009 (according to the NSFIE) and in October 2008 (according to the Housing Survey) was taken as the imputed rent of that household.

The following table shows the coefficient and dummy variables used in the estimation.

Coefficients of regression equation


Other prefectures

| Intercept |  | 9.03565 |
| :---: | :---: | :---: |
| Logarithm of the total floor space |  | -0.57951 |
| Structure of dwelling (base: wooden house , fire-retarding wooden house, stand alone and row house) | Non-wooden house stand alone and row house, and fire-retarding row house | 0.08258 |
|  | Non-wooden apartment house | 0.14006 |
| Time of construction (base: 2004 ~) | 1996 ~ 2003 | -0.04591 |
|  | 1991 ~ 1995 | -0.10800 |
|  | 1981 ~ 1990 | -0.18965 |
|  | 1971 ~ 1980 | -0.30961 |
|  | ~ 1970 | -0.43855 |
| Equipment | Flush toilet | 0.25825 |
| City classes <br> (base: town and village, city with population less than 100,000 ) | Cities with population over 100,000 and less than 300,000 | 0.03928 |
|  | Cities with population over 300,000 and less than 1,000,000 | 0.09891 |
|  | Cities with population over 1,000,000 | 0.22095 |
| District dummy variable | $\mathrm{b}_{\mathrm{i} 12}$ | -0.05277 |
|  | $\mathrm{b}_{\mathrm{i} 13}$ | -0.09620 |
|  | $\mathrm{b}_{\mathrm{i} 14}$ | -0.13130 |
|  | $\mathrm{b}_{\mathrm{i} 15}$ | -0.19191 |

District dummy variable list

## 1 Tokyo

| base | Tokyo | Chiyoda- <br> Ku | Chuo-Ku | Minato-Ku | $\begin{array}{\|l\|} \hline \text { Shinjuku- } \\ \text { Ku } \\ \hline \end{array}$ | $\begin{aligned} & \hline \text { Meguro } \\ & \text {-Ku } \end{aligned}$ | Shibuya- <br> Ku |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{x}_{1} 9$ | Tokyo | Bunkyo- <br> Ku | Taito-Ku | ShinagawaKu | $\begin{aligned} & \hline \text { Setagaya- } \\ & \mathrm{Ku} \\ & \hline \end{aligned}$ | Nakano -Ku | $\begin{aligned} & \text { Suginami- } \\ & \text { Ku } \end{aligned}$ | Toshima- <br> Ku | Musashino -shi |  |  |
| $\mathrm{x}_{1 ; 10}$ | Tokyo | $\begin{array}{\|l} \text { Sumida- } \\ \mathrm{Ku} \\ \hline \end{array}$ | Koto-Ku | Ota-Ku | Kita-Ku | $\begin{array}{\|l} \hline \text { Arakawa } \\ \text {-Ku } \\ \hline \end{array}$ | Mitaka -shi | Chofu-shi | $\begin{aligned} & \begin{array}{l} \text { Komae } \\ \text {-shi } \end{array} \\ & \hline \end{aligned}$ |  |  |
| $\mathrm{x}_{1 ; 11}$ | Tokyo | Itabashi- <br> Ku | Nerima- <br> Ku | Edogawa <br> -Ku | Fuchu-shi | $\begin{aligned} & \text { Koganei } \\ & \text {-shi } \\ & \hline \end{aligned}$ | Kokubunji -shi | Kunitachi -shi | $\begin{aligned} & \text { Nish } \\ & \text { Tokyo-shi } \end{aligned}$ |  |  |
| $\mathrm{x}_{1 ; 12}$ | Tokyo | Adachi- <br> Ku | Katsushika -Ku | Tachikawa -shi | Kodaira -shi | $\begin{aligned} & \text { Hino } \\ & \text {-shi } \end{aligned}$ | Higashi Kurume -shi | Tama-shi | Inaki-shi |  |  |
| $\mathrm{x}_{1 ; 13}$ | Tokyo | Hachioji <br> -shi | Akishima -shi | Machida -shi | Higashi Murayama -shi | $\begin{aligned} & \text { Fussa } \\ & \text {-shi } \end{aligned}$ | Higashi Yamato -shi | Kiyose -shi | Musashi Murayama -shi | Hamura -shi | Mizuho -machi |
| $\mathrm{x}_{1 ; 14}$ | Tokyo | Ome-shi | Akiruno -shi | Hinode -machi | Hinohara -mura | Okutama -machi | Oshima -machi | Toshimamura | Nijima -mura | Kozushima -mura | Miyake -mura |
|  |  | Mikura- <br> Jima <br> -mura | Hachijo -machi | Aogashima -mura | Ogasahara -mura |  |  |  |  |  |  |

## 23 Prefectures in Kanto area

| base | Chiba Pref. | Urayasu -shi |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Kanagawa <br> Pref. | Kanagawa- <br> Ku | Nishi-Ku | Naka-Ku | Kohoku- <br> Ku | Aoba- <br> Ku | Tsuzuki- <br> Ku | Kawasaki <br> -Ku | Saiwai-Ku | Nakahara- <br> Ku | Takatsu- <br> Ku |
|  |  | Tama-Ku | $\begin{aligned} & \hline \text { Miyamae } \\ & \hline-\mathrm{Ku} \\ & \hline \end{aligned}$ |  |  |  |  |  |  |  |  |
| $\mathrm{x}_{2 ; 9}$ | Saitama <br> Pref. | Urawa-Ku | Minami- <br> Ku | Warabi <br> -shi | Toda-shi | Asaka <br> -shi | Wako-shi |  |  |  |  |
|  | Chiba Pref. | Mihama- <br> Ku | Ichikawa -shi |  |  |  |  |  |  |  |  |
|  | Kanagawa <br> Pref. | Tsurumi- <br> Ku | Minami- <br> Ku | Hodogaya -Ku | Isogo-Ku | Kanazawa <br> -Ku | Konan-Ku | Midori- <br> Ku | Aso-Ku | Kamakura -shi | Fujisawa -shi |
|  |  | Zushi-shi | Hayamamachi |  |  |  |  |  |  |  |  |
| $\mathrm{x}_{2 ; 10}$ | Saitama Pref. | Kita-Ku | Omiya- <br> Ku | Chuo-Ku | Sakura- <br> Ku | Midori- <br> Ku | Kawaguchi -shi | Tokorozawa -shi | Hatogaya -shi | Shiki-shi | Niza-shi |
|  |  | Fujimi-shi |  |  |  |  |  |  |  |  |  |
|  | $\begin{array}{\|c\|} \hline \text { Chiba } \\ \text { Pref. } \\ \hline \end{array}$ | $\begin{aligned} & \text { Hanamigawa } \\ & \text {-Ku } \end{aligned}$ | Funahashi -shi | Matsudo <br> -shi | Narashino <br> -shi |  |  |  |  |  |  |
|  | Kanagawa Pref. | Totsuka- <br> Ku | Asahi- <br> Ku | Seya-Ku | Sakae-Ku | Izumi- <br> Ku | Hiratsukashi | Chigasaki -shi | Sagamihara <br> -shi | Yamato -shi | Oiso -machi |
| $\mathrm{X}_{2 ; 11}$ | Saitama Pref. | Minuma -Ku | Kawagoe -shi | Soka-shi | Koshigaya -shi | Yashio -shi | Misato -shi | Yoshikawa -shi | Fujimino -shi | Miyoshi-m achi |  |
|  | Chiba Pref. | Chuo-Ku | Inage-Ku | Kashiwashi | Nagareyama -shi | Yachiyo -shi |  |  |  |  |  |
|  | Kanagawa <br> Pref | Yokosukashi | Odawara -shi | Miura-shi | Atsugi <br> -shi | Isehara -shi | Ebina-shi | Zama-shi | Ayase-shi | Samukawa -machi | Ninomiya -machi |
|  |  | Oi-machi | Hakone -machi | Manazuru -machi | Yugawara -machi |  |  |  |  |  |  |
| $\mathrm{X}_{2 ; 12}$ | Saitama Pref. | Nishi-Ku | $\begin{aligned} & \text { Iwatsuki- } \\ & \text { Ku } \end{aligned}$ | Ino-shi | Higashi Matsuyama -shi | Kasugabe <br> -shi | Sayama -shi | Ageo-shi | Iruma-shi | Okegawa <br> -shi | Kuki-shi |
|  |  | Hasuda-shi | Ina-machi | Shiraokamachi | Shobu -machi | Kurihashi -machi | Washimiya -machi | Matsubushi -machi |  |  |  |


|  | $\begin{aligned} & \text { Chiba } \\ & \text { Pref. } \end{aligned}$ | WakabaKu | Midori- <br> Ku | Narita-shi | Sakura -shi | Abikoshi | Kamogawa -shi | Kamagaya- <br> shi | Yotsukaido -shi | Inzai-shi | Shirai -shi |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Kanagawa Pref. | Hatano-shi | Minami <br> Ashigara <br> -shi | Nakai -machi | Matsudamachi | Yamakita -machi | Kaisei -machi | Aikawamachi | Kiyokawamura |  |  |
| $\mathrm{X}_{2 ; 13}$ | Saitama Pref. | Kumagaya -shi | Gyoda -shi | Hanyu -shi | Konosu -shi | Kitamotoshi | Sakato-shi | Satte-shi | Tsurugashima -shi | Hidaka-shi | Moroyama -machi |
|  |  | Ogose <br> -machi | Namegawa -machi | Ranzanmachi | Kawashima- <br> machi | Yoshimi -machi | Hatoyama -machi | Minanomachi | Nagatoromachi | Misato -machi | Yorii -machi |
|  |  | Miyashiromachi | Sugito <br> -machi |  |  |  |  |  |  |  |  |
|  | Chiba <br> Pref. | Tateyama -shi | Kisarazu <br> -shi | Noda-shi | Mobara -shi | Togane -shi | Katsuura -shi | Ichihara -shi | Sodegaurashi | Tomisato <br> -shi | Sosa-shi |
|  |  | Shisui -machi | Imba <br> -mura | Motonomura | Sakaemachi | Oami shirasatomachi | Ichinomiyamachi | Mutsuzawa -machi | Chosei -mura | Shirako -machi | Nagaramachi |
|  |  | Chonan-m <br> achi | Otaki-ma chi |  |  |  |  |  |  |  |  |
| $\mathrm{X}_{2 ; 14}$ | Saitama <br> Pref. | $\begin{array}{\|l} \hline \text { Chichibu } \\ \text {-shi } \end{array}$ | Kasu-shi | Honjo-shi | Fukaya -shi | $\begin{aligned} & \text { Ogawa } \\ & \text {-machi } \end{aligned}$ | Tokigawa -machi | Yokose <br> -machi | Ogano <br> -machi | Higashi Chichibumura | Kamikawa -machi |
|  |  | Kamisatomachi | Kisai -machi | Kita Kawabemachi | Otone <br> -machi |  |  |  |  |  |  |
|  | Chiba <br> Pref. | Choshi-shi | Asahi-shi | Kimitsu -shi | Futtsu-shi | Yachimata <br> -shi | Minami <br> Boso-shi | Katori-shi | Sambu-shi | Isumi-shi | Kozaki -machi |
|  |  | Tako -machi | Tonoshomachi | Kujukuri- <br> machi | Shbayama -machi | Yokoshiba <br> Hikari <br> -machi | Onjuku <br> -machi | Kyonan <br> -machi |  |  |  |

33 Prefectures in Kinki area

| base | Kyoto <br> Pref. <br> Osaka <br> Pref. | Shimogyo- <br> Ku <br> Fukushima <br> -Ku |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { Tennoji- } \\ & \mathrm{Ku} \end{aligned}$ | Abeno- <br> Ku | Kita-Ku | Chuo-Ku |  |  |  |  |  |
|  | Hyogo <br> Pref. | Ashiya-shi |  |  |  |  |  |  |  |  |  |
| $\mathrm{X}_{3 ; 9}$ | Kyoto <br> Pref. | Kita-Ku | Kamigyo- $\mathrm{Ku}$ | Sakyo-Ku | Nakagyo -Ku | NishigyoKu | Nagaoka kyo-shi | Oyamazaki -machi |  |  |  |
|  | Osaka <br> Pref. | $\begin{array}{\|l} \text { Miyakojima } \\ \text {-Ku } \end{array}$ | Nishi-Ku | NaniwaKu | Joto-Ku | Nishinari- <br> Ku | Yodogawa <br> -Ku | TsurumiKu | Toyonaka -shi | Ikeda-shi | Suita-shi |
|  |  | Takatsukishi | Ibaragi -shi | Mino-shi | Shimamoto <br> -machi |  |  |  |  |  |  |
|  | Hyogo Pref. | Higashi <br> Nada-Ku | Nada-Ku | Chuo-Ku | Amagasaki <br> -shi | Nishinomiya -shi |  |  |  |  |  |
| $\mathrm{X}_{3 ; 10}$ | Kyoto <br> Pref. | Higashiyama <br> -Ku | MinamiKu | Ukyo-Ku | Yamashina- <br> Ku | Muko <br> -shi | Kyotanabe <br> -shi |  |  |  |  |
|  | Osaka Pref. | Konohana <br> -Ku | $\begin{aligned} & \text { Minato- } \\ & \text { Ku } \end{aligned}$ | $\begin{aligned} & \text { Taisho- } \\ & \text { Ku } \end{aligned}$ | Nishi <br> Yodogawa -Ku | Higashi <br> Yodogawa -Ku | Higashinari $-\mathrm{Ku}$ | Ikuno-Ku | Asahi-Ku | Sumiyoshi- Ku | Higashi <br> Sumiyoshi <br> $-\mathrm{Ku}$ |
|  |  | Suminoe- <br> Ku | $\begin{aligned} & \text { Hirano- } \\ & \mathrm{Ku} \\ & \hline \end{aligned}$ | Sakai-Ku | Naka-Ku | Higashi- <br> Ku | Nishi-Ku | $\begin{aligned} & \hline \text { Minami- } \\ & \mathrm{Ku} \end{aligned}$ | Kita-Ku | Mihara-Ku | Moriguchi -shi |
|  |  | Hirakata <br> -shi | Yao-shi | Neyagawa -shi | Kawachi <br> Naganoshi | Matsubara -shi | Daito-shi | Kashiwara -shi | Kadoma -shi | Settsu-shi | Takaishi -shi |
|  |  | Higashi <br> Osaka-shi | Shijonawate -shi | Katano <br> -shi | Osaka <br> Sayama- <br> shi |  |  |  |  |  |  |


|  | Hyogo <br> Pref. | Hyogo-Ku | Nagata- $\mathrm{Ku}$ | Suma-Ku | Itami-shi | Takarazuka -shi | Kawanishi <br> -shi | Sanda-shi |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{X}_{3 ; 11}$ | Kyoto <br> Pref. | FushimiKu | Ayabe <br> -shi | Uji-shi | Kameoka- <br> shi | Joyo-shi | Nantan -shi | Kizugawa -shi | Seika -machi | Kyotanbamachi |  |
|  | Osaka Pref. | Kishiwada -shi | Izumiotsu -shi | Kaizuka -shi | Tondabayashi- <br> shi | $\begin{aligned} & \text { Izumi } \\ & \text {-shi } \end{aligned}$ | Habikino <br> -shi | Fujiidera- <br> shi | Toyonomachi | Nose -machi | Tadaoka -machi |
|  |  | Kumatorimachi | Taishi -machi | Kanan -machi | Chihaya <br> Aksaka <br> -mura |  |  |  |  |  |  |
|  | Hyogo Pref. | Tarumi- $\mathrm{Ku}$ | Kita-Ku | Nishi-Ku | Himeji -shi | Akashi -shi | Sumoto -shi | Kakogawa -shi | Miki-shi | Inagawa machi | Inami -machi |
|  |  | Harima -machi |  |  |  |  |  |  |  |  |  |
| $\mathrm{X}_{3 ; 12}$ | Kyoto <br> Pref. | Fukuchiyama <br> -shi | Maizuru -shi | Miyazu -shi | Yawata -shi | Kyotango <br> -shi | Kugoyama <br> -machi | Ide-machi | Uji Tawara -machi | Kasagi -machi | Watsuka -machi |
|  |  | Minami <br> Yamashiro -mura | Ine-machi | Yosanomachi |  |  |  |  |  |  |  |
|  | Osaka <br> Pref. | Izumisano <br> -shi | Sennan -shi | Hannan -shi | Tajirimachi | Misakimachi |  |  |  |  |  |
|  | Hyogo Pref. | Aioi-shi | Toyookashi | Ako-shi | Nishiwaki -shi | Takasago -shi | Ono-shi | Kasai-shi | Sasayama <br> -shi | Yabu-shi | Tanba -shi |
|  |  | Minami <br> Awaji-shi | Asago-shi | Awaji-shi | Shiso-shi | Kato-shi | Tatsuno -shi | Taka -machi | Ichikawamachi | Fukuzakimachi | Kamikawa -machi |
|  |  | Taishi -machi | Kamigori -machi | Sayo -machi | Kami -machi | Shinonsen -machi |  |  |  |  |  |

4 Other Prefectures

| base | Tokai | Kinki |  |
| :--- | :--- | :--- | :--- |
| $x_{4 ; 12}$ | Kanto |  |  |
| $x_{4 ; 13}$ | Hokuriku | Chugoku |  |
| $x_{4 ; 14}$ | Tohoku | Shikoku | Kyushu |
| $\mathrm{x}_{4 ; 15}$ | Hokkaido | Okinawa |  |

The midpoint-year basket method is used to calculate indices using the consumption structure between the base period and the observation period.

To measure the price movement between the base period and the observation period, it is considered to be appropriate to use the average basket (consumption pattern) of the base period and the observation period ${ }^{36}$, while it is not possible to calculate this kind of index timely, because it needs a basket in the observation period. However, under the assumption that the basket changes smoothly from the base period to the observation period, approximated indices can be calculated by using a midpoint-year basket between the base period and the observation period.

The formulas actually used are as follows. After integrating indices of the items excluding items whose rate of decrease is remarkably greater than that of other items, by the arithmetic mean, they are integrated with the indices of items whose rate of decrease is remarkably and others by the geometric mean. ${ }^{37}$

The yearly average indices are calculated for Japan.

[^17]- In case of 2012 and 2014

$$
\begin{aligned}
& I_{t}^{h}=\exp \left[\left(1-\sum_{j=1}^{m} s_{h, j}\right) \ln \left[\frac{\sum_{i=1}^{n} p_{t, i} q_{h, i}}{\sum_{i=1}^{n} p_{0, i} q_{h, i}}\right]+\sum_{j=1}^{m} s_{h, j} \ln \frac{p_{t, j}}{p_{0, j}}\right] \times 100 \\
& =\exp \left[\left(1-\sum_{j=1}^{m} s_{h, j}\right) \ln \left[\frac{p_{i=1}^{n} \frac{p_{t, i} / p_{0, i}}{p_{h, i} / p_{0, i}}}{\sum_{i=1}^{n} \frac{1}{p_{h, i} / q_{h, i}} p_{h, i} q_{h, i}}\right]+\sum_{j=1}^{m} s_{h, j} \ln \frac{p_{t, j}}{p_{0, j}}\right] \times 100 \\
& =\exp \left[( 1 - \sum _ { j = 1 } ^ { m } s _ { h , j } ) \operatorname { l n } \left[\frac{\sum_{i=1}^{n} I_{t, i} \frac{w_{h, i}}{I_{h, i}}}{\left.\left.\sum_{i=1}^{n} \frac{w_{h, i}}{I_{h, i}}\right]+\sum_{j=1}^{m} s_{h, j} \ln I_{t, j}\right]}\right.\right.
\end{aligned}
$$

0: base year [2010]
$t$ : observation year [2012 or 2014]
$h$ : mid-point year [2011 if observation year is 2012, 2012 if it is 2014]
$i$ : items excluding items whose rate of decrease is large
$j$ : items whose rate of decrease is large
$n$ : number of items excluding items whose rate of decrease is large
$m$ : number of items whose rate of decrease is large
$p$ : price $\quad q$ : quantity $w$ : weight $\quad I_{i}$ : price indices by item
$s_{h, j}=\frac{w_{h, j}}{\sum_{j=1}^{m} w_{h, j}+\sum_{i=1}^{n} w_{h, i}} \quad:$ Share of the items whose rate of decrease is large

$$
\begin{aligned}
& I_{t}^{h}=\exp \left[\left(1-\sum_{j=1}^{m} \frac{s_{h, j}+s_{h+1, j}}{2}\right) \ln \left[\frac{\sum_{i=1}^{n} p_{t, i}\left(q_{h, i}+q_{h+1, i}\right)}{\sum_{i=1}^{n} p_{0, i}\left(q_{h, i}+q_{h+1, i}\right)}\right]+\sum_{j=1}^{m} \frac{s_{h, j}+s_{h+1, j}}{2} \ln \frac{p_{t, j}}{p_{0, j}}\right] \times 100 \\
& =\exp \left[\left(1-\sum_{j=1}^{m} \frac{s_{h, j}+s_{h+1, j}}{2}\right) \ln \left[\frac{\sum_{i=1}^{n}\left(\frac{p_{t, i} / p_{0, i}}{p_{h, i} / p_{0, i}} p_{h, i} q_{h, i}+\frac{p_{t, i} / p_{0, i}}{p_{h+1, i} / p_{0, i}} p_{h+1, i} q_{h+1, i}\right)}{\sum_{i=1}^{n}\left(\frac{1}{p_{h, i} / p_{0, i}} p_{h, i} q_{h, i}+\frac{1}{p_{h+1, i} / p_{0, i}} p_{h+1, i} q_{h+1, i}\right.}\right)\right] \\
& \left.+\sum_{j=1}^{m} \frac{s_{h, j}+s_{h+1, j}}{2} \ln \frac{p_{t, j}}{p_{0, j}}\right] \times 100 \\
& = \\
& =\exp \left[\left(1-\sum_{j=1}^{m} \frac{s_{h, j}+s_{h+1, j}}{2}\right) \ln \left[\frac{\sum_{i=1}^{n} I_{t, i}\left(\frac{w_{h, i}}{I_{h, i}}+\frac{w_{h+1, i}}{I_{h+1, i}}\right)}{\sum_{i=1}^{n}\left(\frac{w_{h h, i}}{I_{h, i}}+\frac{w_{h+1, i}}{I_{h+1, i}}\right)}\right]+\sum_{j=1}^{m} \frac{s_{h, j}+s_{h+1, j}}{2} \ln I_{t, j}\right]
\end{aligned}
$$

0: base year [2010]
$t$ : observation year [2013 or 2015]
$h$ : mid-point year [2011 if observation year is 2013, 2012 if it is 2015]
$i$ : items excluding items whose rate of decrease is large
$j$ : items whose rate of decrease is large
$n$ : number of items excluding items whose rate of decrease is large
$m$ : number of items whose rate of decrease is large
$p$ : price $\quad q$ : quantity $\quad w$ : weight $\quad I_{i}$ : price indices by item
$s_{h, j}=\frac{w_{h, j}}{\sum_{j=1}^{m} w_{h, j}+\sum_{i=1}^{n} w_{h, i}} \quad s_{h+1, j}=\frac{w_{h+1, j}}{\sum_{J=1}^{m} w_{h+1, j}+\sum_{i=1}^{n} w_{h+1, i}} \quad \begin{aligned} & \text { Share of the items whose rate of } \\ & \text { decrease is large }\end{aligned}$
[Explanatory Notes]
"Items" marked with * are surveyed in Okinawa Prefecture only.
Survey classification by the Retail Price Survey (RPS)
Blank: Surveyed in all municipalities

1) : Surveyed in cities with population of 50,000 or more $\quad 2$ ) : Surveyed in cities with population of 150,000 or more $\quad 3$ ): Surveyed in cities with prefectural government In the case of "D" Characteristics of items surveyed by the RPS)
$1^{\prime}$ ) : Surveyed in cities $\quad 2^{\prime}$ ) : Surveyed in cities with population of 50,000 or more
Characteristics of items surveyed by the RPS
A: Items which consumers purchase mainly at their neighbouring areas, and the prices differ among areas
B: Items which are usually sold at representative commercial areas and large retail stores, and the prices differ among outlets
C: Items whose price differences are comparatively small among areas and outlets
D: Items of a single price or negligible price differences within the municipality
E: Items of a single price or negligible price differences throughout the country or the region
S: Items whose prices are surveyed at any place of the municipality without fixing survey districts
House rent: House rent of household living in rented house
Accommodation: Lodging charges for general Hotels
POS: Items which calculated using prices are collected from the POS information data

Frequency of price survey by the RPS
*: Three times a month (every 10-days in a month) Blank: Once, in the middle of the month
Method of price substitution, if not surveyed
Blank: Don't substitute prices
A: (Items marked with 3) Prices of cities with prefectural government are substituted
B: (Items marked with 2) Prices of neighboring cities with population of 150,000 or more are substituted
C: (Items marked with 1) Prices of neighboring cities with population of 50,000 or more are substituted
D,E: (Railway fares) Prices of enterprises chosen are substituted in the same prefecture
F: (Fixed route bus fares) Prices of designed cities by business areas and geographical conditions of enterprises are substituted
H-M: (School fees) Prices of designated cities within a commutable district are substituted
N : Prices of cities with prefectural governments are substituted
O: Single price throughout the country
G,P: Single price throughout the country, except Okinawa Prefecture
Q: Single price throughout the country, except Hokkaido and Okinawa Prefecture
Classification for goods and service group
(Goods) (Public services) (General services)

1: Fresh food, raw meats \& cut flowers
2: Other agricultural, aquatic \& livestock products
3: Food products
4: Textiles
5: Petroleum products
6: Other industrial products
7: Electricity, manufactured \& piped gas \& water charges 14: Services related to culture \& recreation
8: Publications
(Reference 1: Durable goods)
1: Durable goods 2: Semi-durable goods 3: Non-durable goods
(Reference 2: Fees for public services)
*: items categorized into "Fees for public services"
Energy (Reference: Basic classification)
*: items categorized into "Energy"
Expenses for education (Reference: Basic classification)
*: items categorized into "Expenses for education"
Expenses for culture \& recreation (Reference: Basic classification)
*: items categorized into "Expenses for culture \& recreation"
Expenses for information \& communication (Reference: Basic classification)
*: items categorized into "Expenses for information \& communication"
Classification for annual purchase frequency (frequency of purchases per household per year)
1: Items seldom purchased 4: Items purchased once every two months
2: Items purchased once a year 5: Items purchased once a month
3: Items purchased twice a year 6: Items frequently purchased
(General services)
15: Meals outside the home
16: House rent, private
17: Imputed rent
18: Other Services (Services related to domestic duties)
19: Other Services
(Services related to medical care \&
20: Other Services (Services related to education)
21: Other Services
(Services related to communication, culture \&

## Classification for expenditure elasticity

1: Elasticity less than $1.00 \quad 2: 1.00$ and over

| Groups - Items |  | $\begin{aligned} & \overrightarrow{0} \\ & \text { 首 } \\ & \frac{0}{0} \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation | $\begin{array}{\|l\|l} 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\left\|\begin{array}{c} \text { cassification of } \\ \text { goods and service } \\ \text { group } \end{array}\right\|$ |  |  |  | 영000000000000 | 包000000000000000000000 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Japan |  | Ku-area of Tokyo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items | 0001 |  | 001 | 3157986390 | 10000 | 250171389 | 10000 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Food | 0002 |  | 002 | 797528399 | 2525 | 59561367 | 2381 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Cereals | 0003 |  | 003 | 68469210 | 217 | 4496898 | 180 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Rice | 0004 |  | 004 | 24018140 | 76 | 1420716 | 57 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Non-glutinous rice |  | 1000 | 005 | 22818067 | 72 | 1349970 | 54 |  | - | - |  |  | - | - | - | - | - | - | - | - | - |
| Rice-A(domestic), "Koshihikari" |  | 1001 | 006 | 9607431 | 30 | 568544 | 23 |  | A |  |  |  | 2 | 3 |  |  |  |  |  | 5 | 1 |
| Rice-B(domestic), non-blended rice excluding "Koshihikari" |  | 1002 | 007 | 13210636 | 42 | 781426 | 31 |  | A |  |  |  | 2 | 3 |  |  |  |  |  | 5 | 1 |
| Glutinous rice |  | 1011 | 008 | 1200073 | 4 | 70746 | 3 |  | A |  |  |  | 2 | 3 |  |  |  |  |  | 1 | 1 |
| Bread | 0005 |  | 009 | 24854442 | 79 | 1805963 | 72 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| White bread Bean-jam buns |  | 1021 1022 | 010 011 | 7233650 8810396 | 23 28 | 522237 641863 | 21 26 |  | A |  |  |  | 3 3 | 3 3 3 |  |  |  |  |  | 6 | 1 1 |
| Curry buns |  | 1023 | 012 | 8810396 | 28 | 641863 | 26 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 6 | 1 |
| Noodles | 0006 |  | 013 | 15533884 | 49 | 993665 | 40 | - | - | - |  |  | - | - | - | - | - | - |  | - | - |
| Boiled noodles |  | 1031 | 014 | 3253296 | 10 | 200662 | 8 | 3) | A |  |  | A | 3 | 3 |  |  |  |  |  | 6 | 1 |
| Dried noodles |  | 1041 | 015 | 2503855 | 8 | 140206 | 6 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 4 | 1 |
| Spaghetti |  | 1042 | 016 | 1127510 | 4 | 94543 | 4 | 3) | A |  |  | A | 3 | 3 |  |  |  |  |  | 4 | 2 |
| Instant noodles |  | 1051 | 017 | 4696816 | 15 | 270766 | 11 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 6 | 1 |
| Uncooked Chinese noodles |  | 1052 | 018 | 3927566 | 12 | 287488 | 11 | 3) | A |  |  | A | 3 | 3 |  |  |  |  |  | 6 | 1 |
| *"Okinawa"noodles |  | 1061 | 019 | 24841 | 1 |  |  |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 1 | 1 |
| Other cereals | 0007 |  | 020 | 4062744 | 13 | 276554 | 11 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Wheat flour |  | 1071 | 021 | 1136253 | 4 | 60456 | 2 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 3 | 1 |
| "Mochi", rice-cakes |  | 1081 | 022 | 2926491 | 9 | 216098 | 9 | 3) | C |  |  | A | 3 | 3 |  |  |  |  |  | 3 | 1 |
| Fish \& seafood | 0008 |  | 023 | 69438002 | 220 | 4564427 | 182 | - | - | - |  |  | - | - | - | - | - | - |  | - | - |
| Fresh fish \& seafood | 0009 |  | 024 | 40456237 | 128 | 2731451 | 109 | 1) | - | - |  | - | - | - | - | - | - |  |  | - | - |
| Tuna fish |  | 1101 | 025 | 7072438 | 22 | 732546 | 29 | 1) | A | * |  | C | 1 | 3 |  |  |  |  |  | 5 | 1 |
| Horse mackerel |  | 1102 | 026 | 1792854 | 6 | 109335 | 4 |  | A | * |  |  | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Sardines |  | 1103 | 027 | 838863 | 3 | 51452 | 2 |  | A | * |  |  | 1 | 3 |  |  |  |  |  |  | 1 |
| Bonito |  | 1104 | 028 | 2045357 | 6 | 131202 | 5 | 1) | A | * | Mar.-Oct. | C | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Flounder |  | 1105 | 029 | 1911335 | 6 | 85539 | 3 |  | A | * |  |  | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Salmon |  | 1106 | 030 | 5029007 | 16 | 337010 | 13 | 2) | A |  |  | B | 1 | 3 |  |  |  |  |  | 5 | 1 |
| Mackerel |  | 1107 | 031 | 1425544 | 5 | 64315 | 3 |  | A | * |  |  | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Saury |  | 1108 | 032 | 1477424 | 5 | 91327 | 4 |  | A | * |  |  | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Sea bream |  | 1110 | 033 | 1537400 | 5 | 79750 | 3 | 1) | A | * |  | C | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Yellowtail |  | 1111 | 034 | 4102849 | 13 | 214812 | 9 | 1) | A | * |  | C | 1 | 3 |  |  |  |  |  | 4 | 1 |
| Cuttlefish |  | 1112 | 035 | 3251268 | 10 | 174936 | 7 |  | A | * |  |  | 1 | 3 |  |  |  |  |  | 4 | 1 |
| Octopus |  | 1113 | 036 | 1719922 | 5 | 117053 | 5 |  | A |  |  |  | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Prawns Short-necked clams |  | 1114 | 037 | 4320332 | 14 | 240538 | 10 | 2) | A |  |  | B | 1 | 3 |  |  |  |  |  | 4 | 1 |
| Short-necked clams Oysters |  | 1131 1132 | 038 039 | 1580100 93650 | 5 3 | 135061 61742 | 5 2 | 1) | A | * | Jan.-Mar.,Oct.-Dec. | C | 1 | 3 3 3 |  |  |  |  |  | 4 3 | 1 |
| Scallops |  | 1133 | 040 | 1414994 | 4 | 104833 | 4 | 3) | A |  | Jan.-Mar.,Oct.-De. | A | 1 | 3 |  |  |  |  |  | 3 | 1 |
| Salted \& dried fish | 0010 |  | 041 | 12873571 | 41 | 807153 | 32 | ) | - | - |  |  | - | - | - | - | - | - |  | - | - |
| Salted salmon |  | 1141 | 042 | 2858725 | 9 | 122841 | 5 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 4 | 1 |
| Salted cod roe |  | 1142 | 043 | 3931600 | 12 | 262405 | 10 | 1) | B |  |  | C | 3 | 3 |  |  |  |  |  | 4 | 1 |
| "Shirasu-boshi", dried young sardines |  | 1143 | 044 | 1931229 | 6 | 149211 | 6 | 1) | A |  |  | C | 3 | 3 |  |  |  |  |  | 4 | 1 |
| Dried horse mackerel |  | 1144 | 045 | 1421216 | 5 | 129916 | 5 | 3) | A |  |  | A | 3 | 3 |  |  |  |  |  | 3 | 1 |
| "Niboshi", dried small sardines |  | 1146 | 046 | 542797 | 2 | 23797 | , |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 2 | 1 |
| Capelin |  | 1150 | 047 | 546339 | 2 | 29585 | 1 | 1) | A |  |  | C | 3 | 3 |  |  |  |  |  | 2 | 1 |
| Salmon roe |  | 1167 | 048 | 1641665 | 5 | 89398 | 4 | 3) | B |  |  | A | 3 | 3 |  |  |  |  |  | 3 | 1 |
| Fish-paste products | 0011 |  | 049 | 7558830 | 24 | 422549 | 17 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| "Agekamaboko", fried fish-paste patties |  | 1151 | 050 | 2578315 | 8 | 152426 | 6 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 5 | 1 |
| "Chikuwa", baked fish-paste bars |  | 1152 | 051 | 1853045 | 6 | 90041 | 4 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 5 | 1 |
| "Kamaboko", steamed fish-paste cakes |  | 1153 | 052 | 3127470 | 10 | 180082 | 7 | 2) | B |  |  | B | 3 | 3 |  |  |  |  |  | 5 | 1 |
| Other processed fish \& seafood | 0012 |  | 053 | 8549364 | 27 | 603274 | 24 |  | - | - |  | - | - | - | - | - | - | - |  | - | - |
| Dried bonito fillets |  | 1161 | 054 | 1044144 | 3 | 72033 |  | 2) | C |  |  | B | 3 | 3 |  |  |  |  |  | 3 | 1 |
| Pickled fish |  | 1165 | 055 | 3360949 | 11 | 267550 | 11 | 3) | A |  |  | A | 3 | 3 |  |  |  |  |  | 4 | 1 |
| Fish prepared in soy sauce |  | 1166 | 056 | 1286594 | 4 | 87468 |  | 3) | A |  |  | A | 3 | 3 |  |  |  |  |  | 3 | 1 |
| Canned fish |  | 1173 | 057 | 2556190 | 8 | 156285 |  | 3) | B |  |  | A | 3 | 3 |  |  |  |  |  |  | 1 |
| "Shiokara", salted fish guts |  | 1163 | 058 | 301487 | 1 | 19938 | 1 | 3) | B |  |  | A | 3 | 3 |  |  |  |  |  | 2 | 1 |
| Meats | 0013 |  | 059 | 64498902 | 204 | 4442228 | 178 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Raw meats | 0014 |  | 060 | 50339974 | 159 | 3480721 | 139 | - | - | - |  | - | 1 | - | - | - | - | - | - | - | - |
| Beef-A |  | 1201 | 061 | 13928341 | 44 | 976943 | 39 |  | A |  |  |  | 1 | 3 |  |  |  |  |  | 6 | 1 |
| Beef-B |  | 1203 | 062 | 3482489 | 11 | 244397 | 10 | 3) | A |  |  | A | 1 | 3 |  |  |  |  |  | 6 | 1 |
| Pork-A |  | 1211 | 063 | 10941844 | 35 | 757629 | 30 |  | A |  |  |  | 1 | 3 |  |  |  |  |  | 6 | 1 |
| Pork-B |  | 1212 | 064 | 10941844 | 35 | 757629 | 30 |  | A |  |  |  | 1 | 3 |  |  |  |  |  | 6 | 1 |
| Chicken |  | 1221 | 065 | 10843261 | 34 | 733833 | 29 |  | A |  |  |  | 1 | 3 |  |  |  |  |  | G | 1 |
| Liver |  | 1241 | 066 | 202195 | 1 | 10290 | 1 | 3) | A |  |  | A | 1 | 3 |  |  |  |  |  | 2 | 1 |
| Meat products | 0015 |  | 067 | 14158928 | 45 | 961507 | 38 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Ham |  | 1252 | 068 | 5297806 | 17 | 391034 | 16 |  | A |  |  |  | 3 | 3 |  |  |  |  |  |  | 1 |
| Sausages |  | 1261 | 069 | 6678857 | 21 | 419333 | 17 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 6 | 1 |
| Bacon |  | 1271 | 070 | 2159304 | 7 | 151140 | 6 | 3) | A |  |  | A | 3 | 3 |  |  |  |  |  | 4 | 1 |
| *Canned pork |  | 1291 | 071 | 22961 | 1 | - | - |  | B |  |  |  | 3 | 3 |  |  |  |  |  | 1 | 1 |
| Dairy products \& eggs | 0016 |  | 072 | 33323947 | 106 | 2418883 | 97 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Fresh milk \& dairy products | 0017 |  | 073 | 26239327 | 83 | 1964820 | 79 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Fresh milk | 0018 |  | 074 | 13763109 | 44 | 944786 | 38 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| (delivered) |  | 1301 | 075 | 688328 | 2 | 46950 | 2 |  | S |  |  |  | 3 | 3 |  |  |  |  |  | 3 | 1 |
| (sold in stores) |  | 1303 | 076 | 13074781 | 41 | 897836 | 36 |  | A |  |  |  | 3 | 3 |  |  |  |  |  | 6 | 1 |
| Dairy products | 0019 |  | 077 | 12476218 | 40 | 1020034 | 41 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Powdered milk |  | 1311 | 078 | 632940 | 2 | 48236 | 2 |  | B |  |  |  | 3 | 3 |  |  |  |  |  | 1 | 1 |
| Yogurt |  | 1333 | 079 | 7488234 | 24 | 580763 | 23 | 2) | A |  |  | B | 3 | 3 |  |  |  |  |  | 6 | 1 |
| Butter |  | 1321 | 080 | 751556 | 2 | 66887 | 3 |  | C |  |  |  | 3 | 3 |  |  |  |  |  | 3 | 1 |
| Cheese |  | 1331 | 081 | 1801744 | 6 | 162074 | 6 | 1) | C |  |  | C | 3 | 3 |  |  |  |  |  | 5 | 1 |
| Cheese(imported) |  | 1332 | 082 | 1801744 | 6 | 162074 | 6 | 3) | C |  |  | A | 3 | 3 |  |  |  |  |  | 5 | 1 |
| Eggs | 0020 |  | 083 | 7084620 | 22 | 454063 | 18 | - | - | - |  | - | - | - | - | - | - | - | - | - | - |
| Hen eggs |  | 1341 | 084 | 7084620 | 22 | 454063 | 18 |  | A |  |  |  | 1 | 3 |  |  |  |  |  | 6 | 1 |



| Groups－Items |  | $\begin{aligned} & \text { त्व } \\ & \frac{1}{3} \\ & 0.0 \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation | 疗 |  |  |  |  | 賋00000000000000000000 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Japan |  | Ku－area of Tokyo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 |  |  |  |  |  |  | $\begin{aligned} & \text { 忍 } \\ & \text { de } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  |  |
| Ketchup |  | 1642 | 170 | 658966 | 2 | 46950 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Mayonnaise |  | 1643 | 171 | 1501366 | 5 | 88111 |  | 1） | в |  |  | C | 33 |  |  |  |  |  | 4 | 1 |
| Dressing |  | 1645 | 172 | 1982522 | 6 | 149211 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| Jam |  | 1644 | 173 | 1375830 |  | 125414 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Instant curry mix |  | 1652 | 174 | 1742104 | 6 | 114480 |  | 3） | в |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| Instant soup |  | 1653 | 175 | 2720936 | 9 | 205164 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 5 | 1 |
| Flavor seasonings |  | 1654 | 176 | 2169206 | 7 | 147924 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| ＂Furikake＂，granular flavor seasonings |  | 1656 | 177 | 1716709 | 5 | 96472 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| Liquid seasonings |  | 1655 | 178 | 4829299 | 15 | 295205 | 12 | 3） | B |  |  | A | 33 |  |  |  |  |  | 5 | 1 |
| Chinese seasonings |  | 1657 | 179 | 848685 | 3 | 60456 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Prepared pasta sauce |  | 1658 | 180 | 969749 | 3 | 68817 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Cakes \＆candies | 0033 |  | 181 | 70816953 | 224 | 5037140 | 201 | － | － | － |  | － | －－ | － | － | － | － |  | － | － |
| ＂Yokan＂，sweet bean jelly |  | 1701 | 182 | 3781843 | 12 | 338296 | 14 | 3） | B |  |  | A | 33 |  |  |  |  |  | 2 | 1 |
| ＂Manju＂，bean－jam cakes |  | 1702 | 183 | 7622064 | 24 | 374956 | 15 | 3） | A |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| ＂Daifukumochi＂，rice cakes stuffed with sweetened bean jam |  | 1703 | 184 | 2403690 | 8 | 186513 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 2 | 1 |
| ＂Kasutera＂，sponge cakes |  | 1711 | 185 | 1489062 | 5 | 108692 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Cakes |  | 1712 | 186 | 11796119 | 37 | 968582 | 39 | 3） | B |  |  | A | 33 |  |  |  |  |  | 4 | 2 |
| Jelly |  | 1784 | 187 | 3231239 | 10 | 222529 |  | 2） | B |  |  | B | 33 |  |  |  |  |  | 4 | 1 |
| Pudding |  | 1714 | 188 | 2618921 | 8 | 183941 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 4 | 2 |
| Cream puffs |  | 1713 | 189 | 2271916 | 7 | 187799 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 3 | 2 |
| ＂Sembei＂，Japanese crackers |  | 1741 | 190 | 6151254 | 19 | 468855 | 19 |  | A |  |  |  | 33 |  |  |  |  |  | 6 | 1 |
| Biscuits |  | 1721 | 191 | 3802395 | 12 | 314500 | 13 |  | A |  |  |  | $3{ }^{3}$ |  |  |  |  |  | 5 | 2 |
| Potato chips |  | 1783 | 192 | 4749961 | 15 | 264334 | 11 | 1） | A |  |  | C | 33 |  |  |  |  |  | 6 | 1 |
| Candies |  | 1732 | 193 | 2690091 | 9 | 171721 |  | 1） | A |  |  | C | $3{ }^{3}$ |  |  |  |  |  | 5 | 1 |
| Chocolate |  | 1761 | 194 | 6435763 | 20 | 436055 | 17 |  | B |  |  |  | 33 |  |  |  |  |  | 6 | 2 |
| Ice cream |  | 1782 | 195 | 9318477 | 30 | 631572 | 25 | 2） | A |  |  | B | 33 |  |  |  |  |  | 6 | 1 |
| Peanuts |  | 1772 | 196 | 735662 | 2 | 53381 |  | 1） | A |  |  | C | 33 |  |  |  |  |  | 3 | 1 |
| Chewing gum |  | 1781 | 197 | 1718496 | 5 | 125414 | 5 |  | C |  |  |  | 33 |  |  |  |  |  | 3 | 1 |
| Cooked food | 0034 |  | 198 | 88345330 | 280 | 6783290 | 271 | － | － | － |  | － | －－ | － | － |  |  |  |  |  |
| Cooked food with rice，bread or noodles | 0035 |  | 199 | 36199922 | 115 | 2912821 | 116 | － | － | － |  | － | －－ | － | － | － | － |  | － | － |
| Sushi（Box lunch） |  | 1795 | 200 | 12126329 | 38 | 803293 | 32 | 3） | c |  |  | A | 33 |  |  |  |  |  | 6 | 1 |
| Box lunch |  | 1791 | 201 | 13454214 | 43 | 1180178 | 47 | 3） | S |  |  | A | 33 |  |  |  |  |  | 6 | 1 |
| Rice balls |  | 1793 | 202 | 3838322 | 12 | 320931 | 13 | 1） | A |  |  | C | 33 |  |  |  |  |  | 5 | 1 |
| Sandwiches |  | 1792 | 203 | 3928686 | 12 | 384603 | 15 | 3） | c |  |  | A | 33 |  |  |  |  |  | 5 | 2 |
| Frozen pilaf |  | 1794 | 204 | 1902239 | 6 | 149211 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| Cooked pasta |  | 1796 | 205 | 950132 | 3 | 74605 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Other cooked food | 0036 |  | 206 | 52145408 | 165 | 3870469 | 155 |  | － | － |  | － | －－ | － | － | － | － |  | － | － |
| ＂Kabayaki＂，broiled eels |  | 1801 | 207 | 4472516 | 14 | 333151 | 13 | 3） | C |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Salad |  | 1811 | 208 | 4271875 | 14 | 459208 | 18 | 1） | A |  |  | C | 33 |  |  |  |  |  | 5 | 1 |
| Croquettes |  | 1821 | 209 | 4920348 | 16 | 316429 | 13 |  | A |  |  |  | $3{ }^{3}$ |  |  |  |  |  | 5 | 1 |
| Pork cutlets |  | 1831 | 210 | 3892249 | 12 | 320288 | 13 | 3） | в |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Deep fried chicken |  | 1842 | 211 | 9102356 | 29 | 558896 | 22 | 3） | A |  |  | A | 33 |  |  |  |  |  | 5 | 1 |
| ＂Gyoza＂ |  | 1881 | 212 | 4552845 | 14 | 382674 | 15 | 3） | B |  |  | A | 33 |  |  |  |  |  | 5 | 1 |
| ＂Yakitori＂，grilled chicken |  | 1843 | 213 | 2709358 | 9 | 239251 | 10 | 3） | B |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Frozen croquettes |  | 1851 | 214 | 3975506 | 13 | 236679 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 5 | 2 |
| Frozen hamburg steak |  | 1852 | 215 | 3975506 | 13 | 236679 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 5 | 2 |
| Cooked curry |  | 1871 | 216 | 1141521 | 4 | 87468 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| ＂Mazegohan no moto＂，prepared materials to steamed rice with assorted ingredients |  | 1891 | 217 | 761063 | 2 | 58527 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 2 | 1 |
| Boiled beans |  | 1812 | 218 | 1521321 | 5 | 116410 |  | 3） | A |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Grilled fish |  | 1802 | 219 | 4186030 | 13 | 320931 | 13 | 3） | B |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| ＂Kimpira＂ |  | 1813 | 220 | 2662914 | 8 | 203878 |  | 3） | B |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| Beverages | 0037 |  | 221 | 44766611 | 142 | 3107051 | 124 | － | － | － |  | － | － | － | － | － | － |  | － | － |
| Tea | 0038 |  | 222 | 11805478 | 37 | 935782 | 37 | － | － | － |  | － | －－ | － | － | － | － |  | － | － |
| Green tea |  | 1902 | 223 | 5228678 | 17 | 392964 | 16 |  | A |  |  |  | 33 |  |  |  |  |  | 3 | ， |
| Black tea |  | 1911 | 224 | 1005653 | 3 | 101618 | 4 |  | C |  |  |  | 33 |  |  |  |  |  | 3 | 2 |
| Tea beverages |  | 1914 | 225 | 557147 | 18 | 441200 | 18 | 3） | A |  |  | A | 33 |  |  |  |  |  | 6 | 1 |
| Coffee \＆cocoa | 0039 |  | 226 | 8651885 | 27 | 551821 | 22 |  | － | － |  | － | －－ | － | － | － | － |  | － | ， |
| Instant coffee |  | 1921 | 227 | 2307382 | 7 | 153069 |  | 2） | B |  |  | B | 33 |  |  |  |  |  | 3 | 1 |
| Coffee beans |  | 1922 | 228 | 2307382 | 7 | 153069 |  | 3） | C |  |  | A | 33 |  |  |  |  |  | 3 | 1 |
| Coffee beverages Other beverages |  | 1923 | 229 230 | 4037121 24309248 | 13 77 | 245683 1619448 | 10 | 3） | C |  |  | A | 33 |  |  |  |  |  | 6 | 1 |
| Other beverages Fruit juice |  | 1930 | 231 | 24345001 | 9 | 164646 |  | 3） | A |  |  | A | 33 |  |  |  |  |  | 5 | － |
| Beverages which contains juice |  | 1931 | 232 | 2372221 | 8 | 137634 | 6 |  | c |  |  |  | $3{ }^{3}$ |  |  |  |  |  | 4 | 1 |
| Vegetable juice |  | 1941 | 233 | 4269442 | 14 | 247612 | 10 | 3） | C |  |  | A | 33 |  |  |  |  |  | 5 | 1 |
| Carbonated beverages |  | 1951 | 234 | 4080989 | 13 | 304853 | 12 |  | C |  |  |  | 33 |  |  |  |  |  | 6 | 1 |
| Fermented lactic drinks，sterilized（＂Calpis＂） |  | 1971 | 235 | 758768 | 2 | 39875 | 2 |  | C |  |  |  | 33 |  |  |  |  |  | 3 | 1 |
| Fermented lactic drinks，unsterilized（＂Yakult＂） |  | 1972 | 236 | 3038940 | 10 | 160144 |  | 3） | S |  |  | A | 33 |  |  |  |  |  | 4 | 1 |
| $\xrightarrow{\text { Mineral water }}$ |  | 1982 | 237 <br> 238 | 2625394 4318493 | 8 14 | 264977 299707 | 11 | 3） | A |  |  | A | $\begin{array}{lll}3 & 3 \\ 3 & 3\end{array}$ |  |  |  |  |  | 4 | 2 |
| Sports soft drinks Alcoholic beverages | 0041 | 1981 | 238 239 | 4318493 39426117 | 14 125 | 299707 2549444 | 12 102 |  | A <br> - | － |  | A | $\begin{array}{ll}3 & 3 \\ - \\ -\end{array}$ | － | － | － | － |  | 5 | 1 |
| ＂Sake＂ |  | 2003 | 240 | 5927114 | 19 19 | － 361450 | 14 14 |  | A |  |  |  | 3 3 |  |  |  |  |  | 3 | 1 |
| ＂Shochu＂，distilled spirits |  | 2011 | 241 | 6882829 | 22 | 305496 | 12 |  | A |  |  |  | $3{ }^{3}$ |  |  |  |  |  | 3 | 1 |
| Beer |  | 2021 | 242 | 13376455 | 42 | 830948 | 33 |  | A |  |  |  | $3{ }^{3}$ |  |  |  |  |  | 5 | 1 |
| Low－malt beer |  | 2026 | 243 | 4185205 | 13 | 261762 | 10 |  | A |  |  |  | $3{ }^{3}$ |  |  |  |  |  | 4 | 1 |
| Whisky |  | 2033 | 244 | 1189713 | 4 | 85539 | 3 |  | A |  |  |  | 33 |  |  |  |  |  | 2 | 1 |
| Wine |  | 2041 | 245 | 714952 | 2 | 102904 |  | 3） | c |  |  | A | 33 |  |  |  |  |  | 3 | 2 |
| Wine（imported） |  | 2042 | 246 | 1668678 | 5 | 239895 | 10 | 3） | c |  |  | A | 33 |  |  |  |  |  | 3 | 2 |
| ＂Chu－hi＂，liquor with soda \＆fruit |  | 2012 | 247 | 1295966 | 4 | 99688 | 4 |  | A |  |  |  | 33 |  |  |  |  |  | 3 | 1 |
| Beer－flavored alcoholic beverages |  | 2027 | 248 | 4185205 | 13 | 261762 | 10 |  | A |  |  |  | 33 |  |  |  |  |  | 4 | ， |
| Meals outside the home | 0042 |  | 249 | 168111926 | 532 | 15097275 | 603 | － | － | － |  | － | － |  | － | － |  |  | － | － |
| Eating out | 0043 |  | 250 | 157873696 | 500 | 14546740 | 581 | － | － | － |  | － | － | － | － | － | － |  | － | － |
| Japanese noodles |  | 2101 | 251 | 8416437 | 27 | 788500 | 32 |  | B |  |  |  | 15 |  |  |  |  |  | 3 | 1 |
| Chinese noodles |  | 2102 | 252 | 9587267 1179 | 30 1 | 789787 | 32 |  | B |  |  |  | 15 15 |  |  |  |  |  | 4 | 1 |
| $\stackrel{* \text {＂Okinawa＂noodles }}{\text { Spaghetti（eating out）}}$ |  | 2111 | 253 <br> 254 | 11749 3236355 | 1 10 | － 337653 | $\stackrel{-}{13}$ |  | B ${ }_{\text {B }}$ |  |  | A | 15 <br> 15 |  |  |  |  |  | 1 | 1 <br> 2 |



| Groups • Items |  | $\begin{aligned} & \text { 曾 } \\ & \text { ob } \\ & \text { R } \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation | $\begin{aligned} & \text { z } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 . \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l} \substack{\text { cassificition of } \\ \text { gooosd and service } \\ \text { group }} \end{array}$ |  | 罦 | 異0000000000000 | $\begin{aligned} & \text { 䍗 } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | 哭 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Ku－area of Tokyo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Carpets |  | 4121 | 340 | 3421652 | 11 | 174293 | 7 | 3） | S |  |  | A | 61 |  |  |  |  |  | 1 | 1 |
| Curtains |  | 4141 | 341 | 1965549 | 6 | 154999 | 6 | 3） | B |  |  | A | 42 |  |  |  |  |  | 1 | 2 |
| Bedding | 0070 |  | 342 | 7435207 | 24 | 427694 | 17 | － | － | － |  | － | － | － | － | － | － |  |  | － |
| Beds |  | 4201 | 343 | 1697415 | 5 | 55311 | 2 | 3） | S |  |  | A | 61 |  |  |  |  |  | 1 | 1 |
| Quilts |  | 4211 | 344 | 3422291 | 11 | 225102 | 9 | 2） | в |  |  | B | 42 |  |  |  |  |  | 1 | 2 |
| Blankets |  | 4231 | 345 | 600909 | 2 | 21867 | 1 | 2） | B |  | Jan．－Mar．，Oct．－Dec． | B | 42 |  |  |  |  |  | 1 | 1 |
| Sheets |  | 4251 | 346 | 917897 | 3 | 64958 | 3 | 2） | B |  |  | B | 42 |  |  |  |  |  | 1 | 2 |
| Quilt covers |  | 4271 | 347 | 796695 | 3 | 60456 | 2 | 2） | B |  |  | B | 42 |  |  |  |  |  | 1 | 2 |
| Domestic utensils | 0073 |  | 348 | 22172244 | 70 | 1812396 | 72 | － | － | － |  | － | － | － | － | － | － |  |  | － |
| Tableware | 0074 |  | 349 | 4363349 | 14 | 442488 | 18 | － | － | － |  | － | －－ | － | － | － | － |  | － | － |
| Rice bowls |  | 4301 | 350 | 1239471 | 4 | 136348 | 5 |  | B |  |  |  | 62 |  |  |  |  |  | 1 | 2 |
| Dishes |  | 4302 | 351 | 1239471 | 4 | 136348 | 5 |  | B |  |  |  | 62 |  |  |  |  |  | 1 | 2 |
| Coffee cups \＆saucers |  | 4325 | 352 | 619917 | 2 | 68174 | 3 | 3） | C |  |  | A | 62 |  |  |  |  |  | 1 | 2 |
| Glasses |  | 4322 | 353 | 632245 | 2 | 50809 | 2 |  | B |  |  |  | 62 |  |  |  |  |  | 1 | 2 |
| Wine glasses |  | 4324 | 354 | 632245 | 2 | 50809 | 2 | 3） | C |  |  | A | 62 |  |  |  |  |  | 1 | 2 |
| Kitchen utensils | 0075 |  | 355 | 5505493 | 17 | 376886 | 15 | － | － | － |  | － | －－ | － | － | － | － |  |  | － |
| Sealed kitchenware |  | 4323 | 356 | 632245 | 2 | 50809 | 2 | 2） | B |  |  | B | 62 |  |  |  |  |  | 1 | 2 |
| Pans |  | 4331 | 357 | 2135484 | 7 | 142136 | 6 |  | B |  |  |  | 62 |  |  |  |  |  | 1 | 2 |
| Frying pans |  | 4334 | 358 | 2135484 | 7 | 142136 | 6 | 3） | B |  |  | A | 62 |  |  |  |  |  | 1 | 2 |
| Scrubbing brushes |  | 4342 | 359 | 602280 | 2 | 41805 | 2 | 1） | A |  |  | C | 62 |  |  |  |  |  | 2 | 1 |
| Other domestic utensils | 0076 |  | 360 | 12303402 | 39 | 993022 | 40 | － | － | － |  | － | －－ | － | － | － | － |  |  | － |
| Fluorescent lamps |  | 4352 | 361 | 3291499 | 10 | 235392 | 9 | 1） | C |  |  | C | 6 2 |  |  |  |  |  | 2 | 1 |
| Towels |  | 4361 | 362 | 3592572 | 11 | 332508 | 13 |  | B |  |  |  | 42 |  |  |  |  |  | 3 | 2 |
| Vinyl hose |  | 4392 | 363 | 1354354 | 4 | 106120 | 4 | 3） | C |  |  | A | 62 |  |  |  |  |  | 2 | 1 |
| Clean water equipment |  | 4394 | 364 | 1354354 | 4 | 106120 | 4 | 3） | C |  |  | A | 62 |  |  |  |  |  | 2 | 1 |
| Matting |  | 4362 | 365 | 2710623 | 9 | 212882 | 9 | 3） | B |  |  | A | 62 |  |  |  |  |  | 3 | 1 |
| Domestic non－durable goods | 0077 |  | 366 | 24048248 | 76 | 1637456 | 65 | － | － | － |  | － | － | － | － | － | － |  |  | － |
| Facial tissue \＆rolled toilet paper | 0078 |  | 367 | 5941899 | 19 | 430267 | 17 | － |  | － |  | － | －－ | － |  | － | － |  |  | － |
| Facial tissue |  | 4412 | 368 | 2341608 | 7 | 179439 | 7 |  | A |  |  |  | 63 |  |  |  |  |  | 4 | 1 |
| Rolled toilet paper |  | 4413 | 369 | 3600291 | 11 | 250828 | 10 |  | A |  |  |  | 63 |  |  |  |  |  | 4 | 1 |
| Detergent | 0079 |  | 370 | 7838902 | 25 | 519665 | 21 | － | － | － |  | － | －－ | － | － | － | － |  |  | － |
| Liquid detergent，kitchen |  | 4431 | 371 | 3166311 | 10 | 232177 | 9 |  | A |  |  |  | 63 |  |  |  |  |  | 5 | 1 |
| Detergent，laundry |  | 4441 | 372 | 4672591 | 15 | 287488 | 11 |  | A |  |  |  | 63 |  |  |  |  |  | 5 | 1 |
| Other non－durable goods | 0080 |  | 373 | 10267447 | 33 | 687524 | 27 | － | － | － |  | － | －－ | － | － | － | － |  |  | － |
| Food wrap |  | 4401 | 374 | 1468824 | 5 | 81680 | 3 | 1） | A |  |  | C | 63 |  |  |  |  |  | 4 | 1 |
| Plastic bags |  | 4402 | 375 | 2203792 | 7 | 122198 | 5 | 3） | c |  |  | A | 63 |  |  |  |  |  | 5 | 1 |
| Insecticide |  | 4451 | 376 | 2166818 | 7 | 144708 | 6 |  | c |  |  |  | 63 |  |  |  |  |  | 3 | 1 |
| Moth repellent for clothes |  | 4461 | 377 | 542104 | 2 | 36016 | 1 | 3） | C |  |  | A | 63 |  |  |  |  |  | 2 | 1 |
| Fabric softener |  | 4442 | 378 | 1295303 | 4 | 100974 | 4 | 3） | A |  |  | A | 63 |  |  |  |  |  | 3 | 1 |
| Fragrance |  | 4471 | 379 | 1295303 | 4 | 100974 | 4 | 3） | C |  |  | A | 63 |  |  |  |  |  | 3 | 1 |
| Kitchen rolls |  | 4403 | 380 | 1295303 | 4 | 100974 | 4 | 3） | A |  |  | A | 63 |  |  |  |  |  | 3 | 1 |
| Domestic services | 0081 |  | 381 | 9794090 | 31 | 659227 | 26 | ） | － | － |  | － | －－ | － | － | － | － |  |  |  |
| Domestic help | 0174 |  | 382 | 1568387 | 5 | 422549 | 17 | － | － | － |  | － | － | － | － | － | － |  |  |  |
| Domestic help |  | 4501 | 383 | 1568387 | 5 | 422549 | 17 | 2） | D |  |  | C | 18 |  |  |  |  |  | 1 | 2 |
| Cleaning fees | 0175 |  | 384 | 3959836 | 13 | 36659 | 1 | － | － | － |  | － | － | － | － | － | － |  |  | － |
| Charges for treatment of human waste |  | 4510 | 385 | 1265593 | 4 | 0 | 0 |  | D |  |  |  | 10 | ＊ |  |  |  |  | 1 | 1 |
| Recycle fees |  | 4521 | 386 | 2694243 | 9 | 36659 | 1 |  | E |  |  | O | 10 | ＊ |  |  |  |  | 1 | 1 |
| Other domestic services | 0176 |  | 387 | 4265867 | 14 | 200019 | 8 | － | － | － |  | A | － | － | － | － | － |  |  | － |
| Charges for mop－rental |  | 4701 | 388 | 4265867 | 14 | 200019 | 8 | 3） | S |  |  | A | 18 |  |  |  |  |  | 2 | 1 |
| Clothes \＆footwear | 0082 |  | 389 | 127975371 | 405 | 11550954 | 462 | － | － | － |  | － | － | － | － | － | － |  |  | － |
| Clothes | 0083 |  | 390 | 56698422 | 180 | 5428175 | 217 | － | － | － |  | － | － | － | － | － | － |  |  | － |
| Japanese clothing | 0084 |  | 391 | 2697210 | 9 | 104190 | 4 | － | － | － |  | － | －－ | － | － | － | － |  |  |  |
| Women＇s＂Kimono＂ |  | 5011 | 392 | 1951133 | 6 | 91970 | 4 | 3） | B |  |  | A | 42 |  |  |  |  |  | 1 | 2 |
| Women＇s＂Obi＂ |  | 5041 | 393 | 746077 | 2 | 12220 | 1 | 3） | B |  |  | A | 42 |  |  |  |  |  | 1 | 2 |
| Clothing | 0085 |  | 394 | 54001212 | 171 | 5323985 | 213 | － | － | － |  | － | － | － | － | － | － |  |  | － |
| Men＇s clothing | 0086 |  | 395 | 16735395 | 53 | 1706273 | 68 | － | － | － |  | － | －－ | － | － | － | － |  |  |  |
| Men＇s suits（for summer，medium） |  | 5101 | 396 | 2060835 | 7 | 219314 | 9 | 3） | C |  | Mar．－Aug． | A | 42 |  |  |  |  |  | 1 | 2 |
| Men＇s suits（for summer，ordinary） |  | 5103 | 397 | 1716864 | 5 | 182654 | 7 | 3） | B |  | Mar．－Aug． | A | 42 |  |  |  |  |  | 1 | 2 |
| Men＇s suits（for winter，medium） |  | 5102 | 398 | 1716864 | 5 | 182654 | 7 | 3） | C |  | Jan．－Feb．，Sep．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Men＇s suits（for winter，ordinary） |  | 5104 | 399 | 1372819 | 4 | 145995 | 6 | 3） | B |  | Jan．－Feb．，Sep．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Men＇s jackets |  | 5111 | 400 | 2438259 | 8 | 326076 | 13 | 3） | B |  | Jan．－Feb．，Oct．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Men＇s slacks（for summer） |  | 5122 | 401 | 1700350 | 5 | 133132 | 5 | 2） | B |  | Mar．－Aug． | B | 42 |  |  |  |  |  | 2 | 2 |
| Men＇s slacks（for winter） |  | 5121 | 402 | 1700350 | 5 | 133132 | 5 | 2） | B |  | Jan．－Feb．，Sep．－Dec． | B | 42 |  |  |  |  |  | 2 | 2 |
| Men＇s slacks（jeans） |  | 5123 | 403 | 850984 | 3 | 66887 | 3 | 3） | B |  |  | A | 42 |  |  |  |  |  | 1 | 2 |
| Men＇s coats |  | 5131 | 404 | 1608687 | 5 | 176866 | 7 | 3） | B |  | Jan．，Nov．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Boys＇school uniforms |  | 5141 | 405 | 1569383 | 5 | 139563 | 6 | 3） | B |  | Jan．－Mar． | A | 42 |  |  | ＊ |  |  | 1 | 2 |
| Women＇s clothing | 0087 |  | 406 | 29836442 | 94 | 2946265 | 118 | － | － | － |  | － | －－ | － | － | － | － |  |  | － |
| Women＇s suits（for spring \＆summer，medium） |  | 5166 | 407 | 2403159 | 8 | 259832 | 10 | 3） | C |  | Mar．－Aug． | A | 42 |  |  |  |  |  | 1 | 2 |
| Women＇s suits（for spring \＆summer，ordinary） |  | 5167 | 408 | 961148 | 3 | 103547 | 4 | 3） | B |  | Mar．－Aug． | A | 42 |  |  |  |  |  | 1 | 2 |
| Women＇s suits（for autumn \＆winter，medium） |  | 5162 | 409 | 2403159 | 8 | 259832 | 10 | 3） | C |  | Jan．－Feb．，Sep．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Women＇s suits（for autumn \＆winter，ordinary） |  | 5168 | 410 | 961148 | 3 | 103547 | 4 | 3） | B |  | Jan．－Feb．，Sep．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| One－piece dresses（for spring \＆summer） |  | 5161 | 411 | 1441770 | 5 | 155642 | 6 | 3） | B |  | Mar．－Aug． | A | 42 |  |  |  |  |  | 1 | 2 |
| One－piece dresses（for autumn \＆winter） |  | 5163 | 412 | 1441770 | 5 | 155642 | 6 | 3） | B |  | Jan．－Feb．，Sep．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Women＇s jackets |  | 5183 | 413 | 4658890 | 15 | 445702 | 18 | 3） | B |  | Jan．－Mar．，Sep．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Skirts（for spring \＆summer） |  | 5169 | 414 | 1148545 | 4 | 124128 | 5 | 2） | B |  | Mar．－Aug． | B | 42 |  |  |  |  |  | 1 | 2 |
| Skirts（for autumn \＆winter） |  | 5172 | 415 | 1148545 | 4 | 124128 | 5 | 2） | B |  | Jan．－Feb．，Sep．－Dec． | B | 42 |  |  |  |  |  | 1 | 2 |
| Women＇s slacks（for winter） |  | 5181 | 416 | 3777542 | 12 | 290060 | 12 | 3） | B |  | Jan．－Feb．，Sep．－Dec． | A | 42 |  |  |  |  |  | 2 | 2 |
| Women＇s slacks（jeans） |  | 5179 | 417 | 3777542 | 12 | 290060 | 12 | 3） | B |  |  | A | 42 |  |  |  |  |  | 2 | 2 |
| Women＇s coats |  | 5182 | 418 | 4027165 | 13 | 514519 | 21 | 3） | B |  | Jan．，Nov．－Dec． | A | 42 |  |  |  |  |  | 1 | 2 |
| Girls＇school uniforms |  | 5184 | 419 | 1686059 | 5 | 119626 | 5 | 3） | B |  | Jan．－Mar． | A | 42 |  |  | ＊ |  |  | 1 | 2 |
| Children＇s clothing | 0088 |  | 420 | 7429375 | 24 | 671447 | 27 | － | － | － |  | B | －－ | － | － | － | － |  |  |  |
| Boys＇short pants |  | 5191 | 421 | 3215365 | 10 | 294562 | 12 | 2） | B |  |  | B | 42 |  |  |  |  |  | 2 | 2 |
| Girls＇skirts Babies＇clothes |  | $\begin{array}{r} 5192 \\ 5193 \\ \hline \end{array}$ | 422 423 | 3215365 998645 | 10 3 | 294562 82323 | $\begin{array}{r}12 \\ 3 \\ \hline\end{array}$ | 2） | B |  |  | B | 4 2 <br> 4 2 |  |  |  |  |  | 2 | 2 <br> 1 |


| Groups－Items | $\begin{aligned} & \text { Q } \\ & \text { ei } \\ & \stackrel{\rightharpoonup}{6} \\ & \stackrel{0}{0} \end{aligned}$ | $\begin{aligned} & \text { 首 } \\ & \text { 首 } \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation | z00000000000000000 | $\begin{gathered} \text { classification of } \\ \text { goods and oerive } \\ \text { group } \end{gathered}$ |  |  | $\begin{aligned} & \text { 思 } \\ & \stackrel{.0}{0_{2}} \end{aligned}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Japan |  | Ku－area of Tokyo |  |  |  | $\begin{aligned} & \text { 署 } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 . \\ & 0 . \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Shirts，sweaters \＆underwear | 0089 |  | 424 | 37076380 | 117 | 2980997 | 119 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Shirts \＆sweaters | 0090 |  | 425 | 25479865 | 81 | 2187993 | 87 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Men＇s shirts \＆sweaters | 0091 |  | 426 | 7794825 | 25 | 629643 | 25 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Men＇s business shirts（long sleeves） |  | 5202 | 427 | 1582870 | 5 | 177509 | 7 |  | B |  |  |  | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Men＇s business shirts（short sleeves） |  | 5203 | 428 | 678129 | 2 | 75892 | 3 | 3） | B |  | May－Aug． | A | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Sport shirts（long sleeves） |  | 5211 | 429 | 1566280 | 5 | 101618 | 4 | 3） | B |  | Jan．－Mar．，Sep．－Dec． | A | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Sport shirts（short sleeves） |  | 5212 | 430 | 2350389 | 7 | 152426 | 6 | 3） | в |  | Apr．－Aug． | A | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Men＇s sweaters |  | 5221 | 431 | 1617157 | 5 | 122198 | 5 | 2） | B |  | Jan．－Mar．，Sep．－Dec． | B | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Women＇s shirts \＆sweaters | 0092 |  | 432 | 15523172 | 49 | 1387272 | 55 | － | － | － |  | － | － | － | － | － | － | － |  |  | － |
| Blouses（long sleeves） |  | 5231 | 433 | 1592561 | 5 | 146638 | 6 | 3） | B |  | Jan．－Mar．，Sep．－Dec． | A | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Blouses（short sleeves） |  | 5232 | 434 | 1592561 | 5 | 146638 | 6 | 3） | B |  | Apr．－Aug． | A | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Women＇s T－shirts（long sleeves） |  | 5233 | 435 | 2932731 | 9 | 216741 | 9 | 3） | B |  | Jan．－Mar．，Sep．－Dec． | A | 4 | 2 |  |  |  |  |  | 3 | 2 |
| Women＇s T－shirts（short sleeves） |  | 5234 | 436 | 4398415 | 14 | 324790 | 13 | 3） | B |  | Apr．－Aug． | A | 4 | 2 |  |  |  |  |  | 3 | 2 |
| Women＇s sweaters（long sleeves） |  | 5241 | 437 | 4004720 | 13 | 441843 | 18 | 2） | B |  | Jan．－Mar．，Sep．－Dec． | B | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Women＇s sweaters（short sleeves） |  | 5242 | 438 | 1002184 | 3 | 110622 | 4 | 2） | B |  | Apr．－Aug． | B | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Children＇s shirts \＆sweaters | 0093 |  | 439 | 2161868 | 7 | 171078 | 7 | － | － | － |  | － | － | － | － | － | － | － |  |  | － |
| Children＇s T－shirts（long sleeves） |  | 5243 | 440 | 1080934 | 3 | 85539 | 3 | 3） | B |  | Jan．－Mar．，Sep．－Dec． | A | 4 | 2 |  |  |  |  |  | 3 | 2 |
| Children＇s T－shirts（short sleeves） |  | 5244 | 441 | 1080934 | 3 | 85539 | 3 | 3） | B |  | Apr．－Aug． | A | 4 | 2 |  |  |  |  |  | 3 | 2 |
| Underwear | 0094 |  | 442 | 11596515 | 37 | 793004 | 32 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Men＇s underwear | 0095 |  | 443 | 3806902 | 12 | 233464 | 9 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Men＇s undershirts |  | 5301 | 444 | 1460296 | 5 | 93900 | 4 |  | B |  |  |  | 4 | 2 |  |  |  |  |  | 2 | 1 |
| Men＇s underpants Men＇s pajamas |  | 5311 | 445 | 1460296 | 5 | 93900 | 4 |  | B |  |  |  | 4 | 2 |  |  |  |  |  | 2 | 1 |
| Men＇s pajamas |  | 5331 | 446 | 886310 |  | 45664 | ${ }_{2}^{2}$ | 3） | B |  | Jan．－May，Sep．－Dec． | A | 4 | 2 |  |  |  |  |  | 1 | 1 |
| Women＇s underwear | 0096 |  | 447 | 6457764 | 20 | 461781 | 18 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Brassieres |  | 5341 | 448 | 1022912 | 3 | $\begin{array}{r}63 \\ 029 \\ \hline 1996\end{array}$ | 3 | 3） | ${ }^{\text {B }}$ |  |  | A | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Panties |  | 5351 | 449 | 2717426 | 9 | 199376 | 8 | 3） | ${ }^{\text {B }}$ |  |  | A | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Lingeries Children＇s underwear |  | 5361 | 450 | 2717426 | 9 | 199376 | 8 | 3） | B |  |  | A | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Children＇s underwear Children＇s undershirts | 0097 |  | 451 | 1331849 | ， | 97759 | 4 | ） | － | － |  | － | 4 | － | － | － | － | － |  | 2 | － |
| Footwear Children＇s undershirts |  | 5372 | 452 | 1331849 | 4 | 97759 | 5 |  | B |  |  |  | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Footwear Men＇s shoes | 0098 |  | 453 454 | 15 3279761 6361 | 49 10 | 1403993 333151 | 56 |  | C | － |  |  | 6 | 2 | － | － | － | － |  | 2 | 2 |
| Men＇s shoes Women＇s shoes |  | 5601 | 454 | 3279361 | 10 | 333151 | 13 | 1） | C |  |  | C | 6 | 2 |  |  |  |  |  | 2 | 2 |
| Women＇s shoes Children＇s shoes |  | 5611 5641 | 455 456 | 6329242 1022479 | 20 3 | 688169 65601 | 28 3 | 1） | C |  |  | C | 6 | 2 |  |  |  |  |  | 2 | 2 |
| Canvas shoes |  | 5631 | 457 | 3492425 | 11 | 241824 | 10 | 1） | C |  |  | C | 6 | 2 |  |  |  |  |  | 2 | 2 |
| Sandals |  | 5671 | 458 | 705939 | 2 | 32157 | 1 | 1） | c |  |  | C | 6 | 2 |  |  |  |  |  | 2 | 1 |
| Slippers |  | 5652 | 459 | 688315 | 2 | 43091 | 2 | 3） | C |  |  | A | 6 | 2 |  |  |  |  |  | 2 | 1 |
| Other clothing | 0103 |  | 460 | 10307727 | 33 | 846384 | 34 | － | － | － |  | － | － | － | － | － | － | － |  |  | － |
| Hats \＆caps |  | 5501 | 461 | 1693981 | 5 | 136348 | 5 | 1） | C |  |  | C | 4 | 2 |  |  |  |  |  | 2 | 1 |
| Neckties |  | 5511 | 462 | 774121 | 2 | 87468 | 3 | 3） | в |  |  | A | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Mufflers |  | 5572 | 463 | 1488848 | 5 | 159501 | 6 | 3） | B |  | Jan．－Feb，Oct．－Dec． | A | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Men＇s socks |  | 5521 | 464 | 2263432 | 7 | 155642 | 6 |  | B |  |  |  | 4 | 2 |  |  |  |  |  | 3 | 2 |
| Women＇s stockings |  | 5531 | 465 | 823696 | 3 | 74605 | 3 | 1） | B |  |  | C | 4 | 2 |  |  |  |  |  | 2 | 2 |
| Women＇s socks |  | 5541 | 466 | 2471556 | 8 | 169791 | 7 |  | B |  |  |  | 4 | 2 |  |  |  |  |  | 3 | 2 |
| Belts |  | 5571 | 467 | 792093 | 3 | 63029 | 3 | 3） | B |  |  | A | 6 | 2 |  |  |  |  |  | 2 | 2 |
| Services related to clothing | 0106 |  | 468 | 8375081 | 27 | 891405 | 36 | － | － | － |  | － | － | － | － | － | － | － |  |  |  |
| Laundry charges（men＇s business shirts） |  | 5711 | 469 | 3381471 | 11 | 374956 | 15 |  | A |  |  |  | 18 |  |  |  |  |  |  | 4 | 2 |
| Dry cleaning charges（men＇s suits） |  | 5712 | 470 | 3381471 | 11 | 374956 | 15 |  | A |  |  |  | 18 |  |  |  |  |  |  | 4 | 2 |
| Footwear repair charges |  | 5721 | 471 | 632734 | 2 | 90041 | 4 | 1） | S |  |  | C | 18 |  |  |  |  |  |  | 1 | 2 |
| Charges for clothing rent |  | 5731 | 472 | 979405 | 3 | 51452 | 2 | 3） | s |  |  | A | 21 |  |  |  |  |  |  | 1 | 2 |
| Medical care | 0107 |  | 473 | 135270948 | 428 | 10716146 | 428 | － |  | － |  | － | － | － | － | － | － |  |  |  |  |
| Medicines \＆health fortification | 0108 |  | 474 | 40885968 | 129 | 2775830 | 111 | － | － | － |  | － | － | － | － | － | － | － |  | － |  |
| Medicines for cold |  | 6001 | 475 | 3601936 | 11 | 224459 | 9 |  | B |  |  |  | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Antipyretic \＆analgesic medicines |  | 6002 | 476 | 1542889 | 5 | 95829 | 4 |  | B |  |  |  | 6 | 3 |  |  |  |  |  | 1 |  |
| Gastrointestinal medicines |  | 6012 | 477 | 2959605 | 9 | 212882 | 9 |  | B |  |  |  | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Vitamin preparations－A |  | 6021 | 478 | 1389009 |  | 91327 | 4 | 2） | B |  |  | B | 6 | 3 |  |  |  |  |  | 1 | 1 |
| Vitamin preparations－B |  | 6022 | 479 | 1389009 | 4 | 91327 | 4 | 2） | B |  |  | B | 6 | 3 |  |  |  |  |  | 1 | 1 |
| Health drinks |  | 6031 | 480 | 8805422 | 28 | 577548 | 23 | 1） | B |  |  | C | 6 | 3 |  |  |  |  |  | 3 | 1 |
| Dermal medicines |  | 6051 | 481 | 1625871 | 5 | 101618 | 4 |  | B |  |  |  | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Plasters |  | 6061 | 482 | 1826674 | 6 | 144708 | 6 |  | B |  |  |  | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Eyewashes |  | 6062 | 483 | 1826674 | ${ }_{6}$ | 144708 | 6 | 3） | B |  |  | A | 6 | 3 3 |  |  |  |  |  | 2 | 1 |
| Chinese medicines |  | 6091 | 484 | 2247994 | 7 | 149211 | 6 | 3） | B |  |  | A | 6 | 3 3 |  |  |  |  |  | 1 | 1 |
| Medicines for rhinitis Supplements |  | 6003 6090 | 485 486 | 2247994 11422891 | 7 36 | 149211 793002 | 6 32 | 3） | ${ }_{\text {E }}^{\text {E }}$ |  |  | A | 6 | 3 3 |  |  |  |  |  | 1 | 1 |
| Medical supplies \＆appliances | 0109 |  | 487 | 24165360 | 77 | 1879282 | 75 | － | E | － |  | － | － | 3 | － | － | － | － |  | － | 1 |
| Disposable diapers（for babies） |  | 6141 | 488 | 1882221 | 6 | 136348 | ， | 2） | A |  |  | B | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Disposable diapers（for adults） |  | 6142 | 489 | 1882221 | 6 | 136348 | 5 | 3） | A |  |  | A | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Sanitary napkins |  | 6101 | 490 | 3276093 | 10 | 219957 | 9 |  | A |  |  |  | 6 | 3 |  |  |  |  |  | 4 | 1 |
| Bath preparation |  | 6095 | 491 | 1638398 | 5 | 109978 | 4 | 3） | в |  |  | A | 6 | 3 |  |  |  |  |  | 3 | 1 |
| Contact lenses cleaning solution |  | 6181 | 492 | 1638398 | 5 | 109978 | 4 | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  | 3 | 1 |
| Spectacles |  | 6121 | 493 | 6439107 | 20 | 588481 | 24 | 3） | в |  |  | A | 6 | 1 |  |  |  |  |  | 1 | 2 |
| Contact lenses |  | 6161 | 494 | 3185141 | 10 | 305496 | 12 | 3） | S |  |  | A | 6 | 1 |  |  |  |  |  | 1 | 2 |
| Bathroom scales |  | 4393 | 495 | 844755 | 3 | 54668 |  | 3） | S |  |  | A | 6 | 2 |  |  |  |  |  | 1 | 1 |
| Thermometers |  | 6131 | 496 | 2111946 | 7 | 136348 | 5 | 1） | c |  |  | C | 6 | 2 |  |  |  |  |  | 1 | 1 |
| Sphygmomanometers |  | 6171 | 497 | 1267080 | 4 | 81680 | 3 | 3） | S |  |  | A | 6 | 2 |  |  |  |  |  | 1 | 1 |
| Medical services | 0110 |  | 498 | 70219620 | 222 | 6061034 | 242 | － | － | － |  | － | － | － |  | － | － | － |  | － | － |
| Medical treatment |  | 6200 | 499 | 61953375 | 196 | 5118178 | 205 |  | ， |  |  | O | 11 |  | ＊ |  |  |  |  | 6 |  |
| Delivery fees in national hospital |  | 6210 | 500 | 1095006 | 3 | 252114 | 10 |  | D |  |  | N | 19 |  |  |  |  |  |  | 1 |  |
| Charges for massage |  | 6221 | 501 | 323445 | 10 | 422549 | 17 | 3） | ， |  |  | A | 19 |  |  |  |  |  |  | 3 | 2 |
| Fees for complete medical checkup |  | 6222 | 502 | 2624523 | 8 | 178795 | 7 | 3） | D |  |  | A | 19 |  |  |  |  |  |  | 2 | 2 |
| Fees for vaccination |  | 6223 | 503 | 1312271 | ， | 89398 | 4 | 3） | D |  | Jan．，Oct．－Dec． | A | 19 |  |  |  |  |  |  | 1 |  |
| Transportation \＆communication | 0111 |  | 504 | 448665375 | 1421 | 24880857 | 995 | － | － | － |  | － | － | － | － | － | － | － |  | － |  |
| Public transportation | 0112 |  | 505 | 66332395 | 210 | 7618098 | 305 | － | － | － |  | － | － | － | － | － | － | － |  | － |  |
| Railway fares（JR） |  | 7026 | 506 | 23532811 | 75 | 2812670 | 112 | － | － | － |  | D | － | － | － | － | － | － |  | － |  |
| （ordinary fares） $\begin{aligned} & \text {（special fares，excluding＂Shinkansen＂）}\end{aligned}$ |  | 7527 7528 | 507 508 | $\begin{array}{r}10 \\ 2 \\ 2668763 \\ \hline\end{array}$ | 32 8 | 1121152 251687 | 45 10 |  | E |  |  | D | 12 12 |  | ＊ |  |  | ＊ |  | 5 2 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Groups－Items |  | $\begin{aligned} & \text { 雨 } \\ & \text { ob } \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation |  | $\begin{gathered} \text { classificaion of } \\ \text { goods and service } \\ \text { group } \end{gathered}$ |  |  | 四 |  | 㖁0000000000000000000000 |  |  | $\begin{aligned} & \text { 䍗 } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Japan |  | Ku－area of Tokyo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 |  |  |  |  |  | $\begin{array}{\|c} 0 \\ \stackrel{0}{0} \\ \text { on } \\ 0 \\ \stackrel{\rightharpoonup}{0} \\ \hline 0 \end{array}$ |  |  |  |  |  |  |  |  |
| （special fares，for＂Shinkansen＂） |  | 7530 | 509 | 5050586 | 16 | 617778 | 25 |  | E |  |  | Q | 12 |  | ＊ |  |  | ＊ |  | 3 | 2 |
| （students＇season tickets） |  | 7029 | 510 | 1701934 | 5 | 205425 | 8 |  | E |  |  | D | 12 |  | ＊ |  | ＊ |  |  | 1 | 2 |
| （commuters＇season tickets） |  | 7030 | 511 | 4135037 | 13 | 616628 | 25 |  | E |  |  | D | 12 |  | ＊ |  |  |  |  | 2 | 2 |
| Railway fares（excluding JR） |  | 7007 | 512 | 14108198 | 45 | 1870096 | 75 | － | － | － |  | － | － | － | － | － |  | － |  |  | － |
| （ordinary fares） |  | 7008 | 513 | 7473703 | 24 | 869465 | 35 |  | E |  |  | E | 12 |  | ＊ |  |  | ＊ |  | 5 | 2 |
| （students＇season tickets） |  | 7009 | 514 | 1579258 | 5 | 202975 | 8 |  | E |  |  | E | 12 |  | ＊ |  | ＊ |  |  | 1 | 2 |
| （commuters＇season tickets） |  | 7010 | 515 | 5055237 | 16 | 797656 | 32 |  | E |  |  | E | 12 |  | ＊ |  |  |  |  | 2 | 2 |
| Fixed route bus fares |  | 7050 | 516 | 5867331 | 19 | 353089 | 14 | 1） | D |  |  | F | 12 |  | ＊ |  |  | ＊ |  | 3 | 1 |
| Expressway bus fares |  | 7057 | 517 | 1466427 | 5 | 88111 | 4 |  | D |  |  | N | 12 |  | ＊ |  |  | ＊ |  | 2 | 2 |
| Taxi fares |  | 7060 | 518 | 5773221 | 18 | 792359 | 32 |  | D |  |  |  | 12 |  | ＊ |  |  |  |  | 3 | 2 |
| Airplane fares |  | 7070 | 519 | 6997065 | 22 | 1087565 | 43 |  | E |  |  | O | 12 |  | ＊ |  |  | ＊ |  | 1 | 2 |
| Expressway tolls charges |  | 7360 | 520 | 8587342 | 27 | 614208 | 25 | － | － | － |  | － |  | － | － | － | － | － |  | － | － |
| National expressway tolls |  | 7363 | 521 | 6482846 | 21 | 460495 | 18 |  | E |  |  | O | 12 |  | ＊ |  |  |  |  | 3 | 2 |
| City expressway tolls |  | 7364 | 522 | 2104496 | 7 | 153713 | 6 |  | E |  |  | Q | 12 |  | ＊ |  |  |  |  | 2 | 2 |
| Private transportation | 0113 |  | 523 | 258833545 | 820 | 9108274 | 364 | － |  |  |  |  | － | － | － |  |  |  |  |  | － |
| Automobiles | 0114 |  | 524 | 56039140 | 177 | 582694 | 23 | － |  |  |  | － | － | － | － |  |  | － |  | － |  |
| （less than 660cc） |  | 7105 | 525 | 11207370 | 35 | 116410 | 5 |  | E |  |  | o | 6 | 1 |  |  |  |  |  | 1 | 2 |
| （more than 660 cc ，but less than $1,500 \mathrm{cc}$ ） |  | 7106 | 526 | 14007925 | 44 | 145352 | 6 |  | E |  |  | O | 6 | 1 |  |  |  |  |  | 1 | 2 |
| （more than $1,500 \mathrm{cc}$ ，but less than 2，000cc） |  | 7107 | 527 | 5605151 | 18 | 58527 | 2 |  | E |  |  | O | 6 | 1 |  |  |  |  |  | 1 | 2 |
| （less than 2，000cc（imported）） |  | 7110 | 528 | 1402453 | 4 | 14792 | 1 |  | E |  |  | O | 6 | 1 |  |  |  |  |  | 1 | 2 |
| （more than 2，000cc） |  | 7113 | 529 | 18211090 | 58 | 189086 | 8 |  | E |  |  | O | 6 | 1 |  |  |  |  |  | 1 | 2 |
| （more than 2，000cc（imported）） |  | 7115 | 530 | 5605151 | 18 | 58527 | 2 |  | E |  |  | O | 6 | 1 |  |  |  |  |  | 1 | 2 |
| Bicycles | 0115 |  | 531 | 2596471 | 8 | 227675 | 9 | － |  |  |  | － | － | － | － |  |  |  |  |  | － |
| Bicycles |  | 7201 | 532 | 2596471 | 8 | 227675 | 9 | 1） | S |  |  | C | 6 | 1 |  |  |  |  |  | 1 | 2 |
| Automotive maintenance | 0116 |  | 533 | 200197934 | 634 | 8297905 | 332 | ） | － | － |  | － | － | － | － |  | － | － |  | － | － |
| Gasoline |  | 7301 | 534 | 72299743 | 229 | 1989259 | 80 |  | S |  |  |  | 5 | 3 |  |  |  |  |  | 6 | 1 |
| Tires |  | 7311 | 535 | 9060640 | 29 | 180082 | 7 | 3） | S |  |  | A | 6 | 2 |  |  |  |  |  | 2 | 2 |
| Automobile batteries |  | 7312 | 536 | 2264287 | 7 | 45020 | 2 | 3） | S |  |  | A | 6 | 2 |  |  |  |  |  | 1 | 2 |
| Car wax |  | 7322 | 537 | 910329 | 3 | 22510 | 1 | 3） | S |  |  | A | 6 | 3 |  |  |  |  |  | 1 | 2 |
| Automobile navigation |  | 7313 | 538 | 5462109 | 17 | 135704 | 5 | 3） | S |  |  | A | 6 | 2 |  |  |  |  |  | 2 | 2 |
| Electronic Toll Collection system tool |  | 7314 | 539 | 910329 | 3 | 22510 | 1 | 3） | S |  |  | A | 6 | 2 |  |  |  |  |  | 1 | 2 |
| Regular inspection |  | 7331 | 540 | 10283861 | 33 | 463067 | 19 | 3） | S |  |  | A | 18 |  |  |  |  |  |  | 2 | 2 |
| Puncture repairs |  | 7335 | 541 | 5998623 | 19 | 270123 | 11 | 3） | S |  |  | A | 18 |  |  |  |  |  |  | 1 | 2 |
| Motor oil replacement |  | 7341 | 542 | 2677401 | 8 | 83609 | 3 | 3） | S |  |  | A | 18 |  |  |  |  |  |  | 1 | 2 |
| Charges for garage rental |  | 7342 | 543 | 20264811 | 64 | 2359713 | 94 | 2） | S |  |  | B | 18 |  |  |  |  |  |  | 3 | 2 |
| Charges for parking Charges for driving license |  | 7343 | 544 | 2516408 | 8 | 279770 | 11 | 3） | S |  |  | A | 18 |  |  |  |  |  |  | 3 | 2 |
| Charges for driving license Charges for rental car |  | 7351 | 545 | 771433 | 2 | 32157 | 1 | 3） | D |  |  | A | 10 |  | ＊ |  |  |  |  | 1 | 2 |
| Charges for rental car Car wash fees |  | 7344 | 546 | 1241782 | 4 | 117053 | 5 |  | E |  |  | O | 21 |  |  |  |  |  |  | 1 | 2 |
| Car wash fees Automotive insurance premium（compulsion） |  | 7347 | 547 | 1928092 | 6 | 80394 | 3 | 3） | S |  |  | A | 18 |  |  |  |  |  |  | 2 | 2 |
| Automotive insurance premium（compulsion） Automotive insurance premium（option） |  | 7370 | 548 | 10634940 | 34 | 293919 | 12 |  | E |  |  | G | 10 |  | ＊ |  |  |  |  | 1 | 1 |
| Automotive insurance premium（option） Communication |  | 7390 | 549 | 52973146 | 168 | 1923015 | 77 |  | E |  |  | O | 10 |  | ＊ |  |  |  |  | 3 | 1 |
| Communication Postcards | 0117 |  | 550 | 123499435 | 391 | 8154485 | 326 | － | － | － |  | O | － | － | － |  |  |  |  |  |  |
| Postcards Letters |  | 7401 | 551 | 1014493 | 3 | 88755 | 4 |  | E |  |  | O | 12 |  | ＊ |  |  |  |  | 2 | 1 |
| Letters Telephone charges |  | 7402 | 552 | 2611662 | 8 | 228961 | 9 |  | E |  |  | O | 12 |  | ＊ |  |  |  | ＊ | 3 | 1 |
| Forwarding charges |  | 7433 | 555 | 4680995 | 15 | 417404 | 17 | 3） | S |  |  | A | 12 |  | ＊ |  |  |  |  | 4 | 1 |
| Telephone set |  | 7441 | 556 | 888433 | 3 | 64315 | 3 | 3） | B |  |  | A | 6 | 1 |  |  |  |  |  | 1 | 1 |
| Cellular phones |  | 7446 | 557 | 16984185 | 54 | 1109432 | 44 | 3） | S |  |  | A | 6 | 1 |  |  |  |  |  | 3 | 2 |
| Education | 0118 |  | 558 | 105619069 | 334 | 11878317 | 475 | － |  |  |  | － | － | － | － | － | － | － |  | － |  |
| School fees | 0119 |  | 559 | 72064482 | 228 | 7668266 | 307 | － | － | － |  | － | － | － | － | － | － | － |  | － |  |
| PTA membership fees（elementary school） |  | 8001 | 560 | 5703276 | 18 | 1118436 | 45 |  | D |  |  |  | 20 |  |  |  | ＊ |  |  | 3 | 2 |
| PTA membership fees（junior high school） |  | 8002 | 561 | 5453363 | 17 | 212882 | 9 |  | D |  |  |  | 20 |  |  |  | ＊ |  |  | 2 | 2 |
| Junior high school fees，private |  | 8010 | 562 | 4022207 | 13 | 957649 | 38 |  | D |  |  | H | 20 |  |  |  | ＊ |  |  | 1 | 2 |
| High school fees，public |  | 8020 | 563 | 2130230 | 7 | 59813 | 2 |  | D |  |  | I | 13 |  | ＊ |  | ＊ |  |  | 2 | 2 |
| High school fees，private |  | 8030 | 564 | 4991497 | 16 | 587195 | 23 |  | D |  |  | J | 20 |  |  |  | ＊ |  |  | 1 | 2 |
| College \＆university fees，national |  | 8040 | 565 | 3951740 | 13 | 149211 | 6 |  | D |  |  | N | 13 |  | ＊ |  | ＊ |  |  | 1 | 2 |
| College \＆university fees，private |  | 8060 | 566 | 30723179 | 97 | 3355951 | 134 |  | D |  |  | K | 20 |  |  |  | ＊ |  |  | 1 | 2 |
| Junior college fees，private |  | 8070 | 567 | 1617089 | 5 | 176866 | 7 |  | D |  |  | L | 20 |  |  |  | ＊ |  |  | 1 | 2 |
| Kindergarten fees，public |  | 8080 | 568 | 825336 | 3 | 17319 | ， |  | D |  |  |  | 13 |  | ＊ |  | ＊ |  |  | 1 | 2 |
| Kindergarten fees，private Vocational school fees |  | 8090 | 569 | 7409418 | 23 | 507491 | 20 |  | D |  |  |  | 20 |  |  |  | ＊ |  |  | 2 | 2 |
| Vocational school fees School textbooks \＆reference books for study |  | 8077 | 570 | 5237147 | 17 | 525453 | 21 |  | D |  |  | M | 20 |  |  |  | ＊ |  |  | 1 | 2 |
| School textbooks \＆reference books for study School textbooks | 0120 |  | 571 | 2856923 | 9 | 308068 | 12 | － | － | － |  | － | － |  | － | － | ＊ | － | － | － | 2 |
| School textbooks |  | 8110 | 572 | 1310973 | 4 | 96472 | 4 |  | E |  |  | O | 8 | 3 | ＊ |  | ＊ |  |  | 1 | 2 |
| Reference books for study |  | 8100 | 573 | 1545950 | 97 | 211596 | 8 |  | E |  |  | O | 8 | 3 |  |  | ＊ |  |  | 1 | 2 |
| Tutorial fees | 0121 |  | 574 | 30697664 | 97 | 3901983 | 156 | － | － | － |  | － | － | － | － | － | － | － |  |  |  |
| （elementary school） |  | 8203 | 575 | 9826783 | 31 | 1648390 | 66 | 3） | D |  |  | A | 20 |  |  |  | ＊ |  |  | 2 | 2 |
| （junior high school） |  | 8201 | 576 | 12513216 | 40 | 1099784 | 44 | 3） | D |  |  | A | 20 |  |  |  | ＊ |  |  | 2 | 2 |
| （high school \＆preparatory school） |  | 8204 | 577 | 8357665 | 26 | 1153809 | 46 |  | D |  |  | N | 20 |  |  |  | ＊ |  |  | 1 | 2 |
| Culture \＆recreation | 0122 |  | 578 | 361490033 | 1145 | 29591922 | 1183 | － | － | － |  | － | － | － | － | － | － | － |  | － |  |
| Recreational durable goods | 0123 |  | 579 | 53953767 | 171 | 3861466 | 154 | 3） | － | － |  | － | － | － | － | － | － | － | － | － | $-$ |
| TV sets |  | 9013 | 580 | 30557016 | 97 | 1958388 | 78 | 3） | B |  |  | A | 6 | 1 |  |  |  | ＊ |  | 1 | 1 |
| Mobile audio players |  | 9033 | 581 | 667605 | 2 | 72676 | 3 | 3） | B |  |  | A | 6 | 1 |  |  |  | ＊ |  | 1 | 2 |
| Electronic dictionaries |  | 9082 | 582 | 1427629 | 5 | 172364 | 7 | 3） | B |  |  | A | 6 | 1 |  |  |  | ＊ |  | 1 | 2 |
| Video recorders |  | 9034 | 583 | 4109028 | 13 | 349873 | 14 | 3） | B |  |  | A | 6 | 1 |  |  |  | ＊ |  | 1 | 2 |
| Personal computers（desktop） |  | 9078 | 584 | 3181369 | 10 | 225745 | 9 |  | POS |  |  | O | 6 | 1 |  |  |  | ＊ |  | 1 | 2 |
| Personal computers（notes） |  | 9079 | 585 | 6362711 | 20 | 452134 | 18 |  | POS |  |  | 0 | 6 | 1 |  |  |  | ＊ |  | 1 | 2 |
| PC Printers |  | 9081 | 586 | 1060597 | 3 | 75248 |  | 3） | S |  |  | A | 6 | 1 |  |  |  | ＊ |  | 1 | 2 |
| Cameras |  | 9043 | 587 | 2243601 | 7 3 | 202592 162074 | 8 |  | POS |  |  | O | 6 | 1 |  |  |  | ＊ |  | 1 | 2 |
| Video cameras Pianos |  | 9042 9051 | 588 589 | 1050617 2380142 | 3 | 162074 154356 | 6 6 | 3） | B |  |  | A | 6 6 | 1 1 1 |  |  |  | ＊ |  | 1 | 2 |
| Desks |  | 9061 | 590 | 913452 | 3 | 36016 | 1 | 3） | S |  | an．－Feb．，Dec． | A | 6 | 1 |  |  | ＊ |  |  | 1 | 2 |
| Recreational goods | 0128 |  | 591 | 68666913 | 217 | 4721357 | 189 | － | － | － |  | － | － | － | － | － | － | － | － | － |  |
| Stationery Ball－point pens | 0129 | 9111 | 592 <br> 593 | $\begin{array}{r}7087127 \\ 839584 \\ \hline\end{array}$ | 22 | 593627 57240 | 24 | 3） | － | － |  | A | 6 | － | － | － | ＊ | － | － | $\overline{-}$ | $\overline{2}$ |


| Groups • Items |  | $\begin{aligned} & \text { 解 } \\ & 0 \\ & 0 \\ & 0.0 \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation | 㗔 | $\begin{array}{\|c} \begin{array}{c} \text { cassification off } \\ \text { goosd and service } \\ \text { group } \end{array} \end{array}$ |  |  | 思 |  |  |  |  | 賋 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Japan |  | Ku－area of Tokyo |  |  | ? | 罟000000000000000 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 |  | 2 0 0 0 0 0 |  |  |  | $\begin{aligned} & 0 \\ & \underset{\sim}{0} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \underset{\sim}{0} \end{aligned}$ |  |  |  |  |  |  |  |  |
| Marking pens |  | 9115 | 594 | 559698 | 2 | 38589 | 2 | 3） | C |  |  | A | 6 | 3 |  |  | ＊ |  |  | 2 | 2 |
| Notebooks |  | 9121 | 595 | 1848016 | 6 | 159501 | 6 |  | c |  |  |  | 6 | 3 |  |  | ＊ |  |  | 3 | 1 |
| Papers for office automation |  | 9127 | 596 | 1848016 | 6 | 159501 |  | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  | 3 | 1 |
| Cellophane adhesive tape |  | 9124 | 597 | 569159 | 2 | 46950 | 2 | 3） | C |  |  | A | 6 | 3 |  |  | ＊ |  |  | 3 | 2 |
| Pencil cases |  | 9125 | 598 | 1422654 | 5 | 131846 | 5 | 2） | C |  | Jan．－Feb．，Dec． | B | 6 | 2 |  |  | ＊ |  |  | 2 | 2 |
| Sporting goods | 0130 |  | 599 | 15460827 | 49 | 1131941 | 45 | － | － | － |  | － | － | － | － | － |  | － |  | － | － |
| Golf clubs |  | 9142 | 600 | 1448557 | 5 | 128630 | 5 | 3） | C |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Baseball gloves |  | 9141 | 601 | 250500 | 1 | 13506 | 1 | 2） | S |  |  | B | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Tennis rackets |  | 9143 | 602 | 250500 | 1 | 13506 | 1 | 3） | C |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Fishing rods |  | 9144 | 603 | 1751923 | 6 | 92613 | 4 | 3） | S |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Pants for exercise |  | 9145 | 604 | 9146389 | 29 | 687526 | 27 | 3） | S |  |  | A | 4 | 2 |  |  |  | ＊ |  | 3 | 2 |
| Swimming suits |  | 9149 | 605 | 2612958 | 8 | 196160 | 8 | 3） | S |  |  | A | 4 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Toys | 0131 |  | 606 | 8313865 | 26 | 581406 | 23 | － | － | － |  | － | － | － | － | － |  | － |  | － | － |
| TV games（stationary） |  | 9154 | 607 | 706463 | 2 | 44377 | 2 | 3） | B |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| TV games（portable） |  | 9155 | 608 | 706463 | 2 | 44377 | 2 | 3） | B |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Game software |  | 9156 | 609 | 2008140 | ${ }_{6}$ | 127343 |  | 3） | B |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Dolls |  | 9151 | 610 | 978597 | 3 | 73319 |  | 3） | C |  |  | A | 6 | 3 |  |  |  | ＊ |  | 2 | 1 |
| Toy cars |  | 9152 | 611 | 1957101 | 6 | 145995 |  | 3） | c |  |  | A | 6 | 3 |  |  |  | ＊ |  | 2 | 1 |
| Building blocks |  | 9153 | 612 | 1957101 | 6 | 145995 |  | 3） | C |  |  | A | 6 | 3 |  |  |  | ＊ |  | 2 | 1 |
| Cut flowers | 0132 |  | 613 | 10481940 | 33 | 717755 | 29 | － | － |  |  | － | － | － |  | － |  |  |  | － |  |
| （Carnations） |  | 9181 | 614 | 2621194 | 8 | 179439 | 7 | 3） | A | ＊ |  | A | 1 | 3 |  |  |  | ＊ |  | 3 | 1 |
| （Chrysanthemums） （Roses） |  | 9182 9183 | 615 616 | 5239552 2621194 | 17 8 | 358877 179439 | $\begin{array}{r}14 \\ 7 \\ \hline\end{array}$ | 3） | A | ＊ |  | A | 1 | 3 3 |  |  |  | ＊ |  | 4 | 1 |
| Other recreational goods | 0133 |  | 617 | 27323154 | 87 | 1696628 | 68 | － | － | － |  | A | 1 | 3 |  | － |  |  |  | $\stackrel{-}{-}$ | － |
| Recordable disc media |  | 9198 | 618 | 757336 | 2 | 59170 |  | 3） | C |  |  | A | 6 | 2 |  |  |  | ＊ |  | 2 | 2 |
| Memory cards |  | 9199 | 619 | 504383 | 2 | 39232 | 2 | 3） | S |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Compact discs |  | 9172 | 620 | 2267294 | 7 | 231534 | 9 |  | E |  |  | O | 6 | 2 |  |  |  | ＊ |  | 2 | 2 |
| Video soft wares |  | 9174 | 621 | 1511269 | 5 | 154356 | 6 | 3） | S |  |  | A | 6 | 2 |  |  |  |  |  | 1 | 2 |
| Pet foods（dog foods） |  | 9193 | 622 | 4927425 | 16 | 337653 | 13 | 3） | S |  |  | A | 6 | 3 |  |  |  | ＊ |  | 3 | 1 |
| Pet foods（cat foods） |  | 9196 | 623 | 3696432 | 12 | 253401 | 10 | 3） | S |  |  | A | 6 | 3 |  |  |  | ＊ |  | 3 | 1 |
| Flowerpots |  | 9191 | 624 | 1894799 | 6 | 61742 | 2 | 3） | S |  |  | A | 6 | 3 |  |  |  | ＊ |  | 3 | 1 |
| Gardening earth |  | 9190 | 625 | 2843208 | 9 | 93257 |  | 3） | S |  |  | A | 6 | 3 |  |  |  | ＊ |  | 3 | 1 |
| Horticultural fertilizer |  | 9189 | 626 | 4738767 | 15 | 154999 | 6 | 3） | S |  |  | A | 6 | 3 |  |  |  | ＊ |  | 4 | 1 |
| Dry batteries |  | 9195 | 627 | 1789295 | 6 | 133775 | 5 |  | C |  |  |  | 6 | 3 |  |  |  | ＊ |  | 3 | 1 |
| Ink cartridges for printer |  | 9128 | 628 | 2392946 | 8 | 177509 | 7 | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  | 2 | 2 |
| Books \＆other reading materials | 0134 |  | 629 | 44733243 | 142 | 3555969 | 142 | － | － |  |  | － | － | － | － | － | － |  |  | － |  |
| Newspapers | 0135 |  | 630 | 30337359 | 96 | 2211145 | 88 | － | － | － |  | － | － | － | － | － | － | － |  | － |  |
| Newspapers |  | 9200 | 631 | 30337359 | 96 | 2211145 | 88 | － | － |  |  | － | － | － | － |  |  |  |  | － |  |
| （locall block） |  | 9204 | 632 | 12671123 | 40 | 110557 | 4 |  | D |  |  |  | 8 |  |  |  |  | ＊ |  | 5 | 1 |
| （national） |  | 9205 | 633 | 17666236 | 56 | 2100588 | 84 |  | E |  |  | o | 8 | 3 |  |  |  | ＊ |  | 5 | 1 |
| Magazines | 0136 |  | 634 | 4719863 | 15 | 367238 | 15 | － | － | － |  | － | － | － | － | － | － | － |  | － |  |
| Monthly magazines |  | 9226 | 635 | 3776496 | 12 | 293919 | 12 |  | E |  |  | O | 8 |  |  |  |  | ＊ |  | 4 | 1 |
| Weekly magazines |  | 9230 | 636 | 943367 | 3 | 73319 | 3 |  | E |  |  | O | 8 | 3 |  |  |  | ＊ |  | 2 | 1 |
| Books | 0137 |  | 637 | 9676021 | 31 | 977586 | 39 |  | － | － |  | － | － | － | － | － | － | － | － | － | － |
| Dictionaries |  | 9251 | 638 | 483315 | 2 | 48879 | 2 |  | E |  |  | O | 8 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Books－A Books－B |  | 9261 | 639 | 2419530 | 8 | 244397 | 10 |  | E |  |  | O | 8 | 2 |  |  |  | ＊ |  | 3 | 2 |
| Books－B Recreational services |  | 9263 | 640 641 | 6773176 194136110 | 21 615 | 684310 1743130 | 27 698 |  | E |  |  | O－ | 8 | 2 | － |  | － | ＊ |  | 3 | 2 |
| Recreational services Hotel charges | 0138 0139 |  | 642 | 19413610 33912 | 615 107 | 1745310 322391 | 129 | － | － | － |  | － | － | － | － | － | － | － | － | － | － |
| Hotel charges |  | 9300 | 643 | 33912611 | 107 | 3225391 | 129 |  | Accommo－ <br> dation |  |  | o | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| Package tours | 0177 |  | 644 | 16577852 | 52 | 1932019 | 77 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Package tours to overseas |  | 9305 | 645 | 16577852 | 52 | 1932019 | 77 |  | E |  |  | o | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Lesson fees | 0140 |  | 646 | 33452649 | 106 | 3248546 | 130 | ） | － | － |  | － |  | － | － | － | － | － |  | － | － |
| （English conversation school） |  | 9328 | 647 | 3218034 | 10 | 353089 | 14 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| （calligraphy school） |  | 9329 | 648 | 3513497 | 11 | 301637 | 12 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| （music school） |  | 9326 | 649 | 7319238 | 23 | 692028 | 28 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| （dancing school） |  | 9319 | 650 | 4932917 | 16 | 470142 | 19 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| （swimming school） |  | 9313 | 651 | 10408757 | 33 | 1216838 | 49 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 3 | 2 |
| （cooking school） |  | 9317 | 652 | 646106 | 2 | 68817 | 3 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Lesson fees，driving school |  | 9320 | 653 | 3414100 | 11 | 145995 | 6 |  | D |  |  | N | 21 |  |  |  |  |  |  | 1 | 2 |
| Other recreational services | 0141 |  | 654 | 110192998 | 349 | 9047174 | 362 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Charges for TV license | 0142 |  | 655 | 24531146 | 78 | 1771232 | 71 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Charges for NHK TV license |  | 9330 | 656 | 13672595 | 43 | 898479 | 36 |  | E |  |  | P | 14 |  | ＊ |  |  | ＊ | ＊ | 3 | 1 |
| Charges for cable TV license |  | 9368 | 657 | 9307859 | 29 | 783355 | 31 | 3） | D |  |  | A | 14 |  | ＊ |  |  | ＊ |  | 3 | 2 |
| Charges for other TV license Admission \＆game charges | 0143 | 9367 | 658 659 | 1550692 4346136 | 5 138 | 89 4989 4982 | 4 162 | － | E | － |  | O | 14 | － | － | － | － | ＊ | － | 2 | 2 |
| Admission，movies |  | 9341 | 660 | 5488637 | 17 | 533170 | 21 | 3） | S |  |  | A | 21 | － |  |  |  | ＊ |  | 2 | 2 |
| Admission，theater |  | 9342 | 661 | 3658637 | 12 | 355661 | 14 |  | E |  |  | O | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| Admission，soccer |  | 9345 | 662 | 517978 | 2 | 28942 | 1 |  | E |  |  | O | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Admission，professional baseball games |  | 9350 | 663 | 1541427 | 5 | 86182 | 3 |  | E |  |  | O | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Charges for practicing golf |  | 9353 | 664 | 1379943 | 4 | 122841 | 5 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| Charges for playing golf |  | 9357 | 665 | 13183224 | 42 | 1256070 | 50 |  | D |  |  | N | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| Tennis court charges |  | 9358 | 666 | 345075 | 1 | 30871 | 1 |  | D |  |  | N | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Game charges，bowling |  | 9361 | 667 | 689077 | ${ }^{2}$ | 61099 | 2 | 2＇） | D |  |  | C | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Swimming pool charges |  | 9359 | 668 | 1034122 | 3 | 91970 | 4 | 3） | D |  |  | A | 14 |  | ＊ |  |  | ＊ |  | 1 | 2 |
| Fitness club fees Admission fees to the art museum |  | 9362 9374 | 669 | 4500098 3001933 | 14 10 | 589767 249542 | 24 10 | 3） | S ${ }_{\text {DE }}$ |  |  | A | $1 \begin{aligned} & 21 \\ & 14\end{aligned}$ |  | ＊ |  |  | ＊ |  | 1 | 2 |
| Admission fees to the theme park |  | 9372 | 671 | 6172426 | 20 | 534457 | 21 |  | E |  |  | O | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Admission fees to the racecourse |  | 9379 | 672 | 648877 | 2 | 38589 | 2 |  | E |  |  | O | 14 |  | ＊ |  |  | ＊ |  | 1 | 2 |
| ＂karaoke room＂charges |  | 9395 | 673 | 1299682 | 4 | 77821 | 3 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 1 | 2 |
| Other recreational services | 0144 |  | 674 | 42200716 | 134 | $\begin{array}{r}318960 \\ \hline 54375\end{array}$ | 129 | － | － | － |  | － | － | － | － | － | － | － | － | － |  |
| Photo processing charges |  | 9382 | 675 | 4484117 | 14 | 354375 | 14 |  | C |  |  |  | 21 |  |  |  |  | ＊ |  | 3 | 2 |
| Charges for video rental |  | 9391 | 676 | 1466355 | 5 | 99688 196932 | 4 79 | 3） | B |  |  | A | 21 21 |  |  |  |  | ＊ |  | 3 | 2 |
| Music download service fees |  |  |  | 25626407 |  | 1969322 |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  |


| Groups－Items |  | $\begin{aligned} & \text { च̈ } \\ & \text { 弟 } \\ & \text { ob } \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation |  | $\begin{aligned} & \text { classification of } \\ & \text { goods and service } \\ & \text { group } \end{aligned}$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Japan |  | Ku－area of Tokyo |  |  |  |  |  |  |  |  |  | 迷 |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 | $\left\lvert\,\right.$ |  |  |  |  |  | $\begin{aligned} & \text { 资 } \\ & \stackrel{\rightharpoonup}{2} \\ & \stackrel{\rightharpoonup}{2} \\ & \stackrel{\rightharpoonup}{0} \end{aligned}$ |  |  |  |  |  |  |
| Veterinary surgeon fees |  | 9396 | 679 | 5949803 | 19 | 455993 | 18 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 2 | 2 |
| Grooming parlor fees |  | 9188 | 680 | 3827296 | 12 | 255973 | 10 | 3） | S |  |  | A | 21 |  |  |  |  | ＊ |  | 3 | 2 |
| Miscellaneous | 0145 |  | 681 | 179635015 | 569 | 13713864 | 548 | ） | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Personal care services | 0146 |  | 682 | 37344406 | 118 | 3125061 | 125 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Bathing charges |  | 9504 | 683 | 5619803 | 18 | 400039 | 16 |  | D |  |  | N | 18 |  |  |  |  |  |  | 3 | 1 |
| Men＇s haircut charges |  | 9511 | 684 | 10066209 | 32 | 697816 | 28 |  | A |  |  |  | 18 |  |  |  |  |  |  | 3 | 1 |
| Permanent wave charges |  | 9521 | 685 | 8150613 | 26 | 731260 | 29 |  | A |  |  |  | 18 |  |  |  |  |  |  | 2 | 1 |
| Women＇s haircut charges |  | 9531 | 686 | 8771099 | 28 | 749912 | 30 | 3） | A |  |  | A | 18 |  |  |  |  |  |  | 3 | 1 |
| Hair dyeing charges |  | 9532 | 687 | 2488632 | 8 | 288774 | 12 | 3） | A |  |  | A | 18 |  |  |  |  |  |  | 1 | 2 |
| Charges for beauty－treatment |  | 9505 | 688 | 2248050 | 7 | 257260 | 10 | 3） | S |  |  | A | 18 |  |  |  |  |  |  | 1 | 2 |
| Toilet articles | 0147 |  | 689 | 43764297 | 139 | 3335371 | 133 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Toilet utensils | 0148 |  | 690 | 2662005 | 8 | 185870 | 7 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Electric shavers |  | 9602 | 691 | 1479201 | 5 | 100974 | 4 | 3） | в |  |  | A | 6 | 1 |  |  |  |  |  | 1 | 2 |
| Toothbrushes |  | 9611 | 692 | 1182804 | 4 | 84896 | 3 |  | C |  |  |  | 6 | 3 |  |  |  |  |  | 3 | 1 |
| Soap \＆others | 0149 |  | 693 | 11667183 | 37 | 850244 | 34 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Toilet soap |  | 9621 | 694 | 913341 | 3 | 66244 | 3 |  | A |  |  |  | 6 | 3 |  |  |  |  |  | 3 | 2 |
| Body soap |  | 9626 | 695 | 1826323 | 6 | 132489 | 5 | 2） | B |  |  | B | 6 | 3 |  |  |  |  |  | 3 | 2 |
| Facial wash |  | 9627 | 696 | 1826323 | 6 | 132489 | 5 | 3） | B |  |  | A | 6 | 3 |  |  |  |  |  | 3 | 2 |
| Shampoo |  | 9622 | 697 | 2981222 | 9 | 219314 | 9 | 2） | B |  |  | B | 6 | 3 |  |  |  |  |  |  | 2 |
| Hair conditioner |  | 9624 | 698 | 2195209 | 7 | 158858 | 6 | 2） | B |  |  | B | 6 | 3 |  |  |  |  |  | ， | 2 |
| Toothpaste |  | 9623 | 699 | 1924765 | 6 | 140850 | 6 | 1） | B |  |  | C | 6 | 3 |  |  |  |  |  | 4 | 1 |
| Cosmetics | 0150 |  | 700 | 29435109 | 93 | 2299257 | 92 |  | － | － |  | C | － | － | － | － | － | － |  | － | － |
| Hair liquid |  | 9631 | 701 | 2519840 | 8 | 200662 | 8 |  | B |  |  |  | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Hair tonic |  | 9641 | 702 | 1356598 | 4 | 108049 | 4 |  | B |  |  |  | 6 | 3 |  |  |  |  |  | 2 | 1 |
| Face cream－A |  | 9650 | 703 | 6636175 | 21 | 600058 | 24 | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  | 3 | 2 |
| Face cream－B |  | 9652 | 704 | 737115 | 2 | 66887 | 3 | 3） | B |  |  | A | 6 | 3 |  |  |  |  |  | 3 | 2 |
| Toilet lotion |  | 9661 | 705 | 7328754 | 23 | 490723 | 20 |  | в |  |  |  | 6 | 3 |  |  |  |  |  | 3 | 1 |
| Milky lotion－A |  | 9690 | 706 | 2203312 | 7 | 135704 | 5 | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  |  | 1 |
| Milky lotion－B |  | 9692 | 707 | 389076 | 1 | 23797 | 1 | 3） | в |  |  | A | 6 | 3 |  |  |  |  |  | ， | 1 |
| Foundation－A |  | 9670 | 708 | 3114554 | 10 | 214812 | 9 | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  | ， | 2 |
| Foundation－B |  | 9672 | 709 | 777893 | 2 | 53381 | 2 | 3） | B |  |  | A | 6 | 3 |  |  |  |  |  | ， | 2 |
| Lipsticks－A |  | 9680 | 710 | 1089039 | 3 | 86825 | 3 | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  | 2 | 2 |
| Lipsticks－B |  | 9682 | 711 | 466992 | 1 | 37303 | 1 | 3） | B |  |  | A | 6 | 3 |  |  |  |  |  | ， | 2 |
| Hair dyeing |  | 9625 | 712 | 2815761 | 9 | 281056 | 11 | 3） | C |  |  | A | 6 | 3 |  |  |  |  |  | 2 | 2 |
| Personal effects | 0151 |  | 713 | 19974306 | 63 | 2245877 | 90 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Bags | 0152 |  | 714 | 13929990 | 44 | 1599512 | 64 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Handbags |  |  | 715 | 5208163 | 16 | 668232 | 27 | 2） | B |  |  | B | 6 |  |  |  |  |  |  | 2 | 2 |
| Handbags（imported） |  | 9722 | 716 | 5208163 | 16 | 668232 | 27 |  | E |  |  | O | 6 | 2 |  |  |  |  |  | 2 | 2 |
| School knapsacks |  | 9711 | 717 | 1913898 | 6 | 86182 | 3 | 1） | B |  | Jan．－Feb．，Dec． | C | 6 | 2 |  |  | ＊ |  |  | ， | 1 |
| Suitcases |  | 9731 | 718 | 1599766 | 5 | 176866 | 7 | 3） | B |  |  | A | 6 | 2 |  |  |  | ＊ |  | 1 | 2 |
| Watches \＆rings | 0153 |  | 719 | 3707452 | 12 | 410329 | 16 | － | － | － |  | A | － | － | － | － | － | － |  | － | － |
| Rings |  | 9741 | 720 | 1534256 | 5 | 176223 | 7 | 3） | C |  |  | A | 6 | 2 |  |  |  |  |  | 1 | 2 |
| Wrist watches |  | 9751 | 721 | 2173196 | 7 | 234106 | 9 | 3） | C |  |  | A | 6 | 1 |  |  |  |  |  | 1 | 2 |
| Other personal effects | 0154 |  | 722 | 2336864 | 7 | 236036 | 9 | － | － | － |  | － | － | － | － |  | － | － |  | － | － |
| Men＇s umbrellas |  | 9701 | 723 | 1471921 | 5 | 147281 | 6 | 2） | B |  |  | B | 6 | 2 |  |  |  |  |  | 2 | 2 |
| Handkerchiefs |  | 9761 | 724 | 864943 | 3 | 88755 | 4 |  | B |  |  |  | 4 | 2 |  |  |  |  |  | 1 | 2 |
| Tobacco | 0155 |  | 725 | 16643680 | 53 | 1054121 | 42 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| （domestics） |  | 9799 | 726 | 9986409 | 32 | 632215 | 25 |  | E |  |  | O | 6 | 3 | ＊ |  |  |  |  | 5 | 1 |
| （imported） |  | 9798 | 727 | 6657271 | 21 | 421906 | 17 |  | E |  |  | O | 6 | 3 | ＊ |  |  |  |  | 5 | 1 |
| Other miscellaneous | 0156 |  | 728 | 61908326 | 196 | 3953434 | 158 | － | － | － |  | － | － | － | － | － | － | － |  | － | － |
| Charges for accident insurance |  | 9928 | 729 | 38565800 | 122 | 2258095 | 90 |  | E |  |  | O | 10 |  | ＊ |  |  |  |  | 2 | 2 |
| Nursery school fees |  | 9921 | 730 | 16426097 | 52 | 1124224 | 45 | 3） | D |  |  | A | 11 |  | ＊ |  |  |  |  | 2 | 2 |
| Charges for nursing care |  | 9914 | 731 | 3630449 | 11 | 236679 | 9 |  | E |  |  |  | 11 |  | ＊ |  |  |  |  | 2 | 1 |
| Charges for certificates of registered stamps |  | 9901 | 732 | 821495 | 3 | 83609 | 3 |  | D |  |  |  | 10 |  | ＊ |  |  |  |  | 1 | 2 |
| Charges for certificates of permanent registration |  | 9911 | 733 | 821495 | 3 | 83609 | 3 |  | D |  |  |  | 10 |  | ＊ |  |  |  |  | 1 | 2 |
| Charges for acquisition of passport |  | 9912 | 734 | 821495 | 3 | 83609 | 3 | 3） | D |  |  | A | 14 |  | ＊ |  |  |  |  | 1 | 2 |
| Charges for transfer commission |  | 9920 | 735 | 821495 | 3 | 83609 | 3 |  | E |  |  | O | 18 |  |  |  |  |  |  | 1 |  |
| Fresh food | 0157 |  | 736 | 125020321 | 396 | 9316009 | 372 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fresh fish \＆seafood（reentry） | 0158 |  | 737 | 40456237 | 128 | 2731451 | 109 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fresh vegetables（reentry） | 0159 |  | 738 | 55384707 | 175 | 4551564 | 182 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fresh fruits（reentry） | 0160 |  | 739 | 29179377 | 92 | 2032994 | 81 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less fresh food | 0161 |  | 740 | 3032966069 | 9604 | 240855380 | 9628 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Food，less fresh food | 0172 |  | 741 | 672508078 | 2130 | 50245358 | 2008 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less imputed rent | 0163 |  | 742 | 2665834914 | 8442 | 201609794 | 8059 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Housing，less imputed rent | 0164 |  | 743 | 178117385 | 564 | 17581114 | 703 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rent，less imputed rent | 0165 |  | 744 | 96833670 | 307 | 11816573 | 472 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less imputed rent \＆fresh food | 0166 |  | 745 | 2540814593 | 8046 | 192293785 | 7686 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Energy | 0167 |  | 746 | 243745915 | 772 | 12932436 | 517 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less food（less alcoholic beverages）and energy | 0168 |  | 747 | 2156138193 | 6828 | 180227030 | 7204 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Expenses for education | 0162 |  | 748 | 130460394 | 413 | 13652765 | 546 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Expenses for culture \＆recreation | 0173 |  | 749 | 391175486 | 1239 | 33381997 | 1334 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Expenses for information \＆communication | 0169 |  | 750 | 148323958 | 470 | 10069781 | 403 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Groups－Items | $\begin{aligned} & \text { 율 } \\ & \stackrel{\rightharpoonup}{5} \\ & \frac{0}{0} \end{aligned}$ | $\begin{aligned} & \overrightarrow{\tilde{1}} \\ & \frac{0}{2} \\ & \frac{\partial}{0} \end{aligned}$ |  | Weight |  |  |  | Price survey |  |  | Period for index computation |  | $\begin{array}{\|c} \text { cassificition of } \\ \text { goons and service } \\ \text { group } \end{array}$ |  |  |  |  |  |  | 吅 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Japan |  | Ku－area of Tokyo |  |  |  |  |  | $\begin{aligned} & \text { 訁े } \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  |  |  |  |
|  |  |  |  | Actual number | Per 10000 | Actual number | Per 10000 |  |  |  |  |  | $\begin{array}{\|c} 0 \\ \stackrel{0}{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \text { 资 } \\ & \stackrel{\rightharpoonup}{2} \\ & \stackrel{\rightharpoonup}{2} \\ & \stackrel{\rightharpoonup}{0} \end{aligned}$ |  |  |  |  |  |  |
| All items | 0201 |  | 751 | 3157986390 | 10000 | 250171389 | 10000 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Goods | 0202 |  | 752 | 1557166225 | 4931 | 105297845 | 4209 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agricultural，aquatic \＆livestock products | 0203 |  | 753 | 217662803 | 689 | 15431712 | 617 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fresh food，raw meats \＆cut flowers | 0204 |  | 754 | 192926855 | 611 | 13968548 | 558 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other agricultural，aquatic \＆livestock products | 0205 |  | 755 | 24735948 | 78 | 1463164 | 58 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Industrial products | 0207 |  | 756 | 1130164153 | 3579 | 73338908 | 2932 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Food products | 0208 |  | 757 | 422235610 | 1337 | 29750135 | 1189 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Textiles | 0211 |  | 758 | 127210639 | 403 | 11024858 | 441 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Petroleum products | 0214 |  | 759 | 113517510 | 359 | 2295398 | 92 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other industrial products | 0215 |  | 760 | 467200394 | 1479 | 30268517 | 1210 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Electricity，manufactured \＆piped gas \＆water charges | 0218 |  | 761 | 161749103 | 512 | 12663188 | 506 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Publications | 0219 |  | 762 | 47590166 | 151 | 3864037 | 154 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services | 0220 |  | 763 | 1600820165 | 5069 | 144873544 | 5791 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Public services | 0221 |  | 764 | 379050071 | 1200 | 27949040 | 1117 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| House rent，public，Urban Renaissance Agency \＆public corporation | 0222 |  | 765 | 12499014 | 40 | 1115220 | 45 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to domestic duties | 0223 |  | 766 | 143571381 | 455 | 7732988 | 309 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to medical care \＆welfare | 0224 |  | 767 | 82009921 | 260 | 6479081 | 259 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to forwarding \＆communication | 0225 |  | 768 | 104024876 | 329 | 10160466 | 406 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to education | 0226 |  | 769 | 6907306 | 22 | 226343 | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to culture \＆recreation | 0227 |  | 770 | 30037573 | 95 | 2234942 | 89 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| General services | 0228 |  | 771 | 1221770094 | 3869 | 116924504 | 4674 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Meals outside the home | 0229 |  | 772 | 168111926 | 532 | 15097275 | 603 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| House rent，private | 0230 |  | 773 | 84334656 | 267 | 10701353 | 428 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Imputed rent | 0231 |  | 774 | 492151476 | 1558 | 48561595 | 1941 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other services | 0232 |  | 775 | 477172036 | 1511 | 42564281 | 1701 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to domestic duties | 0233 |  | 776 | 137975396 | 437 | 10368847 | 414 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to medical care \＆welfare | 0234 |  | 777 | 8266245 | 26 | 942856 | 38 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to education | 0235 |  | 778 | 95854840 | 304 | 11343906 | 453 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services related to communication，culture \＆recreation | 0236 |  | 779 | 235075555 | 744 | 19908672 | 796 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rice | 0206 |  | 780 | 24018140 | 76 | 1420716 | 57 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Durable goods | 0237 |  | 781 | 208409041 | 660 | 12053252 | 482 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Semi－durable goods | 0238 |  | 782 | 226688700 | 718 | 18701485 | 748 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Non－durable goods | 0239 |  | 783 | 1122068484 | 3553 | 74543108 | 2980 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fees for public services | 0240 |  | 784 | 558753827 1 | 1769 | 41762821 | 1669 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Goods，less fresh food | 0241 |  | 785 | 1432145904 | 4535 | 95981836 | 3837 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Services，less imputed rent | 0242 |  | 786 | 1108668689 | 3511 | 96311949 | 3850 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| House rent，private（wooden） | 0245 |  | 787 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| House rent，private（non－wooden） | 0246 |  | 788 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Imputed rent（wooden） | 0247 |  | 789 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Imputed rent（non－wooden） | 0248 |  | 790 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，seasonally adjusted | 0901 |  | 791 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less fresh food，seasonally adjusted | 0902 |  | 792 |  | － |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less imputed rent，seasonally adjusted | 0903 |  | 793 |  | － |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less imputed rent \＆fresh food，seasonally adjusted | 0904 |  | 794 |  | － |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All items，less food（less alcoholic beverages）and energy，seasonally adjusted | 0905 |  | 795 |  | － |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Goods，seasonally adjusted | 0921 |  | 796 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Semi－durable goods，seasonally adjusted Goods，less fresh food，seasonally adjusted | 0922 0923 |  | 797 798 | － | － |  | － |  |  |  |  |  |  |  |  |  |  |  |  |  |


[^0]:    ${ }^{1}$ Total households include both one-person households and two-or-more-person households.

[^1]:    ${ }^{2}$ Since the 1985-base "All items, including imputed rent", which had been calculated as a reference series, has been used as a general index of the main series.
    ${ }^{3}$ In the 2010-base revision, the 2009 result was used.

[^2]:    4 "Statistical standards on the base period of index" was established based on the Statistics Act. The contents were based on the "Updating the base period of index and weight", as reported by the statistics council in March 1981 and revised taking the actual operation of the report into consideration. It is said that the base period of the index should be revised every five years, in the year when the last digit is 0 or 5 .

[^3]:    ${ }^{5}$ When average price of first or last 10-day period cannot be collected, price in observation period in current month is calculated excluding the 10 -day period. However, when the average price in the middle 10-day cannot be collected, price in the observation period in current month is treated as lacking, even if the average price of either the first or the last 10 -day is collected.

[^4]:    ${ }^{6}$ Though monthly weights are used for fresh food, it is not appropriate to use for items other than fresh food because of the restriction on available data and complication in practical work.
    ${ }^{7}$ It is determined by the scale of population of municipalities for each item whether prices are surveyed in municipalities. However, some items may not be circulated in some municipalities because representative stores gather in a close city and consumers often visit the close city to purchase such items. In this case, the prices surveyed in the close city are substituted when necessary.

[^5]:    ${ }^{8}$ The stratum used for extracting the CPI municipality coincides with the stratum used for extracting the FIES municipality.

[^6]:    ${ }^{9}$ Weights are allocated in proportion to expenditures already assigned to the CPI items included in the group in question.

[^7]:    ${ }^{10}$ In the FIES, the number of household for tabulation after the adjustment for each stratum (surveyed municipalities) is proportional to the scale of the stratum (the number of target households). Therefore, the coefficient used is the ratio of the number of households for tabulation after the adjustment to the total households of Japan (per 10,000).

[^8]:    ${ }^{11}$ Indices for Japan, districts and city groups are calculated after the calculation of indices of items. As a result, the indices of items of the region excluding the municipality in question is substituted for the price fluctuations of the item whose price is missing in the municipality.

[^9]:    ${ }^{12}$ It may not be equal in the statistical tables due to the rounding of fractions.

[^10]:    ${ }^{13}$ It may not be equal in the statistical tables due to the rounding of fractions.

[^11]:    ${ }^{14}$ As for fresh food, the monthly weights are calculated using quantity ratios to the yearly average, which are obtained in the calculation of indices for the basic classification.
    ${ }^{15}$ Quintile group: first group ( $\sim 4.3$ million), second group ( $¥ 4.3 \sim 5.63$ million), third group ( $¥ 5.63 \sim 7.07$ million), fourth group ( $¥ 7.07 \sim 919$ million) and fifth group ( $¥ 9.19$ million ~)
    ${ }^{16}$ Age group: less than 29, $30 \sim 39,40 \sim 49,50 \sim 59,60 \sim 69$ and 70 and older.
    ${ }^{17}$ The annual indexes for d , e and f are calculated using annual index by item.
    ${ }^{18}$ Occupation: worker's household (workers, private company staff, civil servant), household other than workers (merchant and craftsman, self-employed individuals, agricultural and forestry workers, corporate managers, freelance professionals and jobless) ${ }^{19}$ Type of tenure: own housing, private rent housing, public rent housing and company's house

[^12]:    ${ }^{20}$ The index of Japan before 1962 applies for all cities (current cities with population of 50,000 or more).
    ${ }^{21}$ Changes and links for "Small cities B and towns and villages", which are 2010-base classification, are not made.
    ${ }_{22}$ From 1975-base, Okinawa district and Naha-shi are included but the Ku-area of Tokyo is excluded.
    ${ }^{23}$ The linked index for Hamamatsu-shi, which became a designated city under article 252-19 of the Local Autonomy Act in the 2010-base year, is not calculated and there is no linked index for Sakai-shi.
    ${ }^{24}$ Recombination was performed from five major groups to 10 major groups when the 1980-base index was calculated
    ${ }^{25}$ The prewar base index is based on the years from 1934 to 1936.

[^13]:    ${ }^{26}$ Even though indices of lower level groups or items are averaged by weight, the index sometimes does not match that of the corresponding upper level group.
    ${ }^{27}$ If a recombination of classification is performed, the figures are recalculated.

[^14]:    ${ }^{28}$ The explanatory variables are revised every half year.
    29 Including models sold until the last month and from this month.

[^15]:    ${ }^{30}$ For the details, refer to "Appendix 3 [reference] Method of estimating the "imputed rent of owned house" in the 2009 NSFIE"
    ${ }^{31}$ The areas are established by dividing each prefecture into municipality groups for the NSFIE to obtain further detailed data on household expenditure in areas smaller than prefectures.
    ${ }^{32}$ Small amount of repairs and maintenance which household renting a privately owned house usually shares.
    ${ }^{33}$ Actually, only rent for land should be deducted. But there is no released figure for only rent for land in the statistical table in the NSFIE, so "rent for dwelling \& land" is added to the expenses to be deducted.

[^16]:    ${ }^{34}$ Since the survey period of the 2009 NSFIE is from September to November, 2009.
    ${ }^{35}$ Government ordinance-designated cities as of October 1, 2008 (Sapporo, Sendai, Saitama, Chiba, Yokohama, Kawasaki, Niigata, Shizuoka, Hamamatsu, Nagoya, Kyoto, Osaka, Sakai, Kobe, Hiroshima, Kitakyushu and Fukuoka Cities) and Ku-area of Tokyo

[^17]:    ${ }^{36}$ The Walsh index (a method that uses the geometric mean of the base period and the observation period) and Edgeworth index (a method that uses the arithmetic mean of the base period and the observation period) are the case. The former is one of the superlative indices such as the Fisher and Tornqvist index and the latter is known to the quite close to superlative indices. In general, differences among superlative indices, and between superlative indices and the Edgeworth index or chain indices are very small.
    ${ }^{37}$ If one formula is applied to all items including those whose rate of decrease of price indices is large compared to other items, a large difference may occur even between superlative indices. However, in the case of chain superlative indices, the difference by the formula is small. It seems to be appropriate to integrate price indices of the item shoes rate of decrease is large and those of other items by the geometric mean, if the target is chain superlative indices.

