



Norbert Rainer
Andrea Bruder

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Session 4: Quality and coverage

Measures for ensuring the quality of the classification codes in the Austrian Statistical Business Register

- **Concepts and principles for coding**
 - **Activity classification**
 - **Classification of the institutional sectors**
- **Measures taken for the quality of the coding**
 - **The classification notification**
 - **Classification database**
 - **Quality checks**

Concepts and principles for coding (1)

Activity Classification

Possible approaches for coding:

- **self-coding of the enterprises** is the least preferred option
- use of the classification codes that were applied by **administrative registers**
- **Preferred method:** coding by **national statistical institute** in **contact with the enterprises:**
 - Ask the enterprise to **provide information** on the structure of their **revenues/turnover**
 - Transform the turnover structure into a **value added structure**
 - Derive the main (and secondary) activity by using **the top-down approach**

Concepts and principles for coding (2)

Coding example 1

Enterprise A Activity	Turnover share (%)		weight (value added)	weighted turnover		Adjusted for added value quota (%)	Top down
Manufacture of machinery for textile production (C 2826 “Manufacture of machinery for textile, apparels and leather production”)	50	x	0.507	25.35	/: 0.34	74.5	main activity
Wholesale trade of machinery for textile (G 4659 “Wholesale of other machinery and equipment”)	50	x	0.174	8.70	/: 0.34	25.5	secondary activity
				<hr style="width: 10%; margin: 0 auto;"/> 34.05=100% 1%=0.34			

Concepts and principles for coding (3)

Coding example 2

Enterprise B Activity	Turnover share (%)		weight (value added)	weighted turnover		Adjusted for added value quota (%)	Top down
Software development <i>(J 6201 "Computer programming activities")</i>	20	x	0.471	9.42	/: 0.53	17.8	secondary activity
Market research <i>(M 7320 "Market research and public opinion polling")</i>	40	x	0.505	20.20	/: 0.53	38.1	secondary activity
Call Center <i>(N 8220 "Activities of call center")</i>	40	x	0.584	23.36	/: 0.53	44.1	main activity
				<hr/> 52.98=100% 1%=0.53			

Concepts and principles for coding (4)

Classification of the institutional sector

➤ **Five institutional sectors**

- Non-financial corporations
- Financial corporation
- General government
- Households
- Non-profit institutions serving households

➤ **For correct coding additional information will be needed:**

- Activity classification (only of use for very specific sub-sectors)

The classification notification

- **§ 21 Federal Statistics Act 2000** (BGBl. Nr. 163/1999, as amended): activity code for **all Austrian enterprises** (newly recorded enterprises, activity code, name, legal form or address of the enterprises has changed)
- **Notification** by **postal mail** - replies by web, postal mail, by fax or by telephone
- **Enterprises:** confirmation and/or appropriate information of actual activities performed

Measures taken for the quality of the coding (2)

Screen shot of the notification application showing the structure of information requested on turnover share for each economic activity performed

Für die Ermittlung der richtigen Zuordnung bitte die ausgeübten Wirtschaftstätigkeiten sowie deren Anteil (in %) an den gesamten erzielten Umsatzerlösen (Ergebnisse des letzten Wirtschaftsjahres) angeben.

Umsatzerlös aus		Anteil in %		
Land- u. Forstwirtschaft	<input type="text"/>	<input type="text"/>	+	-
Erzeugung und Gewinnung	<input type="text"/>	<input type="text"/>	+	-
Reparatur	<input type="text"/>	<input type="text"/>	+	-
Bau- und Baunebenleistungen	<input type="text"/>	<input type="text"/>	+	-
Handelsvermittlung	<input type="text"/>	<input type="text"/>	+	-
Großhandel	<input type="text"/>	<input type="text"/>	+	-
Einzelhandel	<input type="text"/>	<input type="text"/>	+	-
Verkehr	<input type="text"/>	<input type="text"/>	+	-
Beherbergung u. Gastronomie	<input type="text"/>	<input type="text"/>	+	-
Gesundheits- und Sozialwesen	<input type="text"/>	<input type="text"/>	+	-
Andere Tätigkeiten	<input type="text"/>	<input type="text"/>	+	-

Beschreibung der Geschäftszweige i

Bitte geben Sie hier zusätzlich Ihre(n) Geschäftszweig(e) an, sofern Ihnen Ihre(n) Geschäftszweig(e) nicht ausreichend erscheinen:

- IT-
- IT-Consulting
- IT-Dienste
- IT-Einrichtungen, Betrieb für Dritte
- IT-Security

Measures taken for the quality of the coding (3)

Overview of all contacts with enterprises in relation to activity codes

Contact with enterprises	2014
Notifications sent to new enterprises	31.219
Change of activity has been requested by the enterprise itself	4.844
No change in the activity - the assignment was correct despite opposition of the enterprise	301
Secondary activities were additionally assigned - according to information of the enterprise or on the basis of research	440
Change of the name or the address of the enterprise	5.499
Activity of the unit changed due to research or in the course of business statistics surveys	4.364
Total number of enterprises in the statistical business register	492.875

- **Maintaining the classification database**
- **Co-operations with other units and institutions**
- **Systematic quality checks**

*Please address queries to:
Norbert Rainer*

*Contact information:
Guglgasse 13, 1110 Vienna
phone: +43 (1) 71128-7703
fax: +43 (1) 771128 -7053
norbert.rainer@statistik.gv.at*

Thank you for your attention!