Tokyo, 8 – 11 November 2016

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Department of Statistics Malaysia
Session No. 2

Role of Business Registers

How Big Data Drive Greater MSBR

Abstract

In today's digital age, the data owned by Department of Statistics Malaysia (DOSM) can be integrated to provide the fuel for new statistics. Meeting users' demands on brand new economic information and focusing on reducing respondent burden are the factors that encourage the utilization of Malaysia Statistical Business Register (MSBR).

The role of MSBR is now further expanded from providing a comprehensive businesses' and companies' frame with a set of stratification variables, towards integrating it with trade database. This integration provides a basis for policy makers to explore the firms that are engaged in global markets, and what are their characteristics. The micro-data linking of MSBR and trade is to gain more data insights that able to enrich the international trade statistics by providing closer views of traders. Since Big Data holds great potential for revolutionizing statistics, the Big Data platform has been used to integrate MSBR with trade database which is known as Trade by Enterprise Characteristics (TEC). This TEC project is one of the DOSM Big Data Analytics (StatsBDA) initiatives. The project is considered as Big Data initiative due to the data size, data variety and data veracity that beyond the ability of current hardware and software tools to process the data within a stipulated time.

The exploration of Big Data for this TEC project could inform the decisions about the future of international trade performance by using predictive analytics. Extracting information from MSBR and existing trade data sets could determine the patterns and predict future trade outcomes and trends. Thus, the successful of this project is very much expected in order to produce new statistics without having additional surveys. This paper will present the conceptual framework of the integration MSBR with trade database.

Keywords: Statistical Business Registers, Trade by Enterprise Characteristics, Big Data