

Statistical Methodology and Application 2

Big Data: New Opportunities for Official Statistics

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In era of digital economy, the need for faster and more effective information delivery is growing more each day. Thus, Big Data Analytics (BDA) plays a crucial role in this new economic revolution whereby the rise of big data is now seen as inevitability and led exponential growth. This paper aims to outline the importance of the Big Data and the challenges involved in using big data for official statistics. In becoming a leading statistical agency internationally by 2020, Department of Statistics Malaysia (DOSM) has taken efforts to utilise big data in producing comprehensive and quality statistical products and services. Thus, this paper also shares the initiatives taken by DOSM in the implementation of BDA under the project of StatsBDA which in line with Eleventh Malaysia Plan's strategic trusts and SDGs Indicators.

Key Words: Big Data Analytics, Official Statistics, DOSM