OTTAWA 2023
64TH WORLD STATISTICS CONGRESS

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CPS Paper

Leveraging on Job Vacancies Advertised Online to Analyse Malaysian Labour Market Using Big Data Analytics

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Submission ID: 769

Reference Number: 769

Presentation File

abstracts/ottawa-2023_38317332e1d6f9a0c0a5a18fdc282c9d.pdf

Brief Description

Big data analytics are now a common tool being used by economists and statisticians to address socioeconomic challenges as well as to complement existing labour market information in the country.

Based on information retrieved from big data, there are possibilities to obtain huge amounts of multidimensional, diversified and granular data.

As a consequence of the rapid usage of the internet, recruiting processes have switched to online applications and as a result, provide accessibility to vacancies data.

The aim of this paper is to examine data gathered from job vacancies advertised online for the use of research in labour economics and skills development.

Although extracted real-time, the processed data is available on a quarterly basis.

In this paper, the information is analysed using several methods, namely descriptive analysis and time-series analysis.

In addition, this paper assesses the main characteristics of the labour market data based on scraped vacancies data starting from the first quarter of 2020.

Abstract

Big data analytics are now a common tool being used by economists and statisticians to address socioeconomic challenges as well as to complement existing labour market information in the country. Based on information retrieved from big data, there are possibilities to obtain huge amounts of multidimensional, diversified and granular data. As a consequence of the rapid usage of the internet, recruiting processes have switched to online applications and as a result, provide accessibility to vacancies data. The aim of this paper is to examine data gathered from job vacancies advertised online for the use of research in labour economics and skills development. Although extracted real-time, the processed data is available on a quarterly basis. In this paper, the information is analysed using several methods, namely descriptive analysis and time-series analysis. In addition, this paper assesses the main characteristics of the labour market data based on scraped vacancies data starting from the first quarter of 2020.