
Editorial

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This special issue of the *International Journal of Environment, Workplace, and Employment (IJEWE)* focuses on introducing diverse modern techniques for large and complex data analysis to solve uncertainty quantification (UQ) problems. It consists of five papers that cover modern techniques for large and complex data analysis and their applications, including movie data analysis, machine learning methods, stock market analysis, quality of work life, and environmental strategies for sustainable development.

The issue begins with a research work titled ‘Investigating polarisation in critic and audience review scores via analysis of extremes, medians, averages, and correlations’ written by Kyle Day and Jong-Min Kim. This research examines the relationship between four critic and audience review score categories (Rotten Tomatoes Critics, Rotten Tomatoes Fans, IMDb, and Metacritic) across a sample of 225 films released from 2002 to 2016.

The second paper is titled ‘Comparison of machine learning methods using time series data: focusing on inverter data’ written by Sang-Ha Sung, Chang Sung Seo, Min Ho Ryu and Sangjin Kim. In this study, the authors utilise inverter data to understand the inverter status and present a predictive model for future status. The data was collected from the inverter through sensors for about two months from July to August 2020, resulting in a total of 8,954,665 time points.

Next, we have ‘The market sentiment and stock market: the case of social media stocks during the COVID-19 pandemic’ written by Amber R. Eisenschenk, Daehoon Han and Jong-Min Kim. This research investigates the stocks of various popular social media sites and their correspondence with the social popularity surrounding those sites.

The fourth paper, titled ‘Quality of work life: an investigation of the work environment of small and medium enterprises’, is written by Akeem Tunde Nafiu, Monday Enyo Emmanuel, Dare Joseph Enimola, Cynthia Unekwu Alogwuja, Halilu Uba and Nelson Ugbedeajo Peter. This study focuses on the work environment and quality of work life of employees in small and medium enterprises in Kogi State.

Lastly, we have ‘Proactive environmental strategies and sustainable development: the role of green management in the high-tech manufacturing industry’ written by Ghulam Murtaza, Shahhan Cheema, Muhammad Ahsan and Muhammad Haris Khan. This study compares the differences between traditional management and green management across research and development management, production management, marketing management, financial management, and human resources management.

The problems discussed in this issue enrich statistical research and their practical applications in a wide variety of modern sciences, green economics, and the workplace.

In closing, I would like to express my appreciation to *JEWE* Editor-in-Chief Professor Daphne Halkias, the managing editors, and the respected reviewers for making this special issue a great success.