




MUHAMMAD FARIDUDDIN HASSAN

Statistics Graduate

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Bandar Baru Bangi, Selangor 

PROFILE

A proactive and fast learning Statistics graduate seeking a job opportunity to work as a dynamic data analyst/scientist utilising analytical & methodical skills and relevant expertise to assist company achieve business goals.

EDUCATION

Bachelor of Science (Statistics) (Honours), Universiti Kebangsaan Malaysia

August 2017 – August 2021

- CGPA: 3.68
- MUET: Band 4

WORK EXPERIENCE

Intern at Bank Negara Malaysia

March 2021- July 2021

- Successfully detect outlier in Malaysia financial sector data time series by using TRAMOS-SEATS (method developed by Bank of Spain) and boxplot method.
- Outlier occurred in financial sector data time series mainly due to government scheme and government development project.
- Established correlation between real sector and financial sector data in Malaysia.
- Successfully identify the leading and lagging indicators between real sector and financial sector data.
- Since most of the changes in Malaysia economy are mostly due to government scheme, changes of financial sector growth will be reflected on the subsequent GDP growth.
- Detected the business cycle of Malaysia Gross Domestic Product
- All the analysis was computed via R.

ACHIEVEMENTS

- Participated in Webinar Kajian Data Analitik Siri 1 2020.
Organised by Mathematical Science Department UKM and Institute of Statistical Malaysia.
- DOSM Virtual Datathon 2020.
Organised by Department of Statistics Malaysia in conjunction of National Statistics Day.
 - Analysed price intelligence of e-commerce.
 - Successfully determine important keyword of product.
 - Assist new e-commerce seller to set optimal item price based on keyword, item type and category by adopting LightGBM and Ridge Regression.
- Participated in 62nd ISI Statistics Congress 2019.
Jointly organised by Bank Negara Malaysia (BNM), Department of Statistics Malaysia (DOSM) and Institute of Statistical Malaysia.
- Malaysia Industrial Mathematical Modelling Challenge 2019.
 - Analysed the river flow of Sungai Nenggiri, Kelantan.
 - Created solution for flood that caused of Sungai Nenggiri overflow during rainy season.
 - Adopted new river flow for Sungai Nenggiri by optimising the bifurcation river angle and shape of the riverbed.

LEADERSHIP

- President of Statistics Club UKM 2019.
 - Organised two hi-tea events for statistics student.
 - Collected large fund of RM 2000 for statistics club.
 - Jointly organised interaction day for first year student.
- Kanival Citra UKM 2019
 - A committee member of Karnival Citra UKM.
 - Organised Santai Ilmu Citra Harmoni.
 - Event moderator of Santai Ilmu Citra Harmoni.
- Project Director of Industrial Visit to MIMOS 2019.
- Project Director of Industrial Visit to Centre for Cybersecurity University Pertahanan Nasional Malaysia (UPNM) 2017.

FINAL YEAR PROJECT

- Cluster Analysis of Student Academic Performance.
 - Adopted K-Medoid and Fuzzy K-Medoid to cluster the student academic performance.
 - Determined the factor affecting the student academic performance.

SOFTWARE

- R.
 - Intermediate proficient in data analysis and data visualisation.
- Python.
 - Beginner proficient in data analysis and data visualisation.
- SQL
 - Intermediate proficient in data table query.
- Proficient in Microsoft Office (Word, Excel, and PowerPoint).

REFERENCE

- Prof Madya Dr Wan Zawiah Binti Wan Zin
Deputy Executive Director (Performance and Rating)
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