



MUHAMMAD FARIDUDDIN HASSAN
Bachelor of Science (Statistics) (Honours)
Bandar Baru Bangi, Selangor • 6011-15381976
ssfariduddin@gmail.com

EDUCATION

Sep 2017 – Aug 2021 Bachelor of Science (Statistics) (Honours), Universiti Kebangsaan Malaysia
CGPA: 3.68 MUET: Band 4

WORK EXPERIENCE

Mac 2021 – Jul 2021 Intern, Bank Negara Malaysia
Project title: Analysis and Research on Real Sector and Financial Sector Growth for Malaysia with identification of outliers, correlation, leading/lagging indicators, and peak/trough.

- Successfully detect outlier in Malaysia financial sector time series data by TRAMOS-SEATS (method developed by Bank of Spain) and boxplot method.
- Outliers occurred in financial sector time series data mainly due to government scheme and government development project.
- Established correlation between real sector and financial sector data in Malaysia and it was found that real sector and financial sector were highly correlated.
- 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 Gross Domestic Product (GDP) growth.
- Detected business cycle of Malaysia GDP.

ACHIEVEMENTS

Jul 2021 Knowledge sharing session with staff of Department of Data Management and Statistics Bank Negara Malaysia.

- Shared the methods used for project done during internship to staff.

Jan 2021 Final Year Research Project.
Project title: Cluster Analysis of Student Academic Performance.

- Adopted K-Medoid and Fuzzy K-Medoid to cluster the student academic performance (CGPA).
- Determined the factors affecting the student academic performance. Examples of factors are gender, locality, Sijil Peperiksaan Malaysia (SPM) result and English proficiency.

Nov 2020 Participated in Department of Statistics Malaysia (DOSM) Virtual Datathon 2020.
Project title: E-Commerce Price Intelligence Recommender.

- Analysed price intelligence of e-commerce products.
- Successfully determine the important keyword of best-selling e-commerce products.

	<ul style="list-style-type: none"> Assist new e-commerce seller to set optimal item price based on keyword, item type and category by adopting LightGBM and Ridge Regression method.
Oct 2020	Participated in Webinar Kajian Data Analitik Siri 1 2020.
Aug 2019	Participated in 62 nd ISI Statistics Congress 2019.
Mar 2019	Participated in Malaysia Industrial Mathematical Modelling Challenge 2019. <ul style="list-style-type: none"> Analysed the river flow of Sungai Nenggiri, Kelantan to reduce flood event. Created solution to prevent flooding that caused of Sungai Nenggiri overflow during rainy season by adopting new river flow for Sungai Nenggiri via optimising the bifurcation of river angle and shape of the riverbed.

LEADERSHIP

May 2019 – Jul 2020	President of Statistics Club <ul style="list-style-type: none"> Organised two hi-tea events for statistics students to increase the bonding between students. Jointly organised interaction day for first year students.
Mac 2019	Project Director of Industrial Visit to MIMOS 2019. <ul style="list-style-type: none"> Give exposure to statistics students on Big Data, Internet of Things (IoT) and Artificial Intelligence (AI) used in real-time situations. (Soil moisture detection in Sarawak Forest and movement detection of wolid bird)
Nov 2017	Project Director of Industrial Visit to Centre for Cybersecurity Universiti Pertahanan Nasional Malaysia (UPNM) 2017. <ul style="list-style-type: none"> Give exposure to statistics students on cyber security especially on file sharing, hardware security and Big Data analytics.

SKILLS

- 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.

REFERENCE

- | | |
|---|--|
| <ul style="list-style-type: none"> Prof Madya Dr Wan Zawiah Binti Wan Zin
Deputy Executive Director (Performance and Rating)
Universiti Kebangsaan Malaysia
6012-9338099
w_zawiah@ukm.edu.my | <ul style="list-style-type: none"> Dr Wan Rosmanira Ismail
Head of Statistics Programme
Universiti Kebangsaan Malaysia
6019-3592463
wrismail@ukm.edu.my |
|---|--|