Jenifer Mayang Jues

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LinkedIn | Portfolio

EDUCATION

Master of Data Science
2022 – 2024
University of Malaya (UM)
CGPA:3.65

Bachelor of Science (Biotechnology)
2015 – 2018
Swinburne University of Technology Sarawak
CGPA:3.29

WORK EXPERIENCE

Research Assistant (Internship) – Agriculture Research Centre Semenggok, ARC (Kuching, Sarawak)
June 2018 – Oct 2018

- **Managed the project "Genetic Variation of Durian (Durio zibethinus) Clones in Sarawak Assessed by Simple Sequence Repeat (SSR) Markers"**, aimed at collecting genetic data to verify and confirm the identity of durian varieties for future breeding programs.
- **Conducted DNA extraction** from nine distinct durian samples, ensuring high-quality genomic material for subsequent analysis.
- **Amplified genomic DNA** using nine different SSR primers, achieving successful PCR amplification with seven primers, which produced clear and reproducible bands.
- **Performed binary data matrix scoring for data analysis**, leading to the differentiation of eight out of the nine durian types, thereby providing valuable insights into the genetic diversity of durian clones.

PROFESSIONAL DEVELOPMENT

- **Google Cloud Fundamental: Core Infrastructure**
  Completed a foundational course covering Google Cloud's core infrastructure, including Google Cloud resources, storage, virtual machine, containers and application.
- **Essential Google Cloud Infrastructure: Foundation**
  Completed a foundational course on learning to interact with the Cloud Console and Cloud Shell, created VPC networks and other networking objects, and deployed virtual machines using Compute Engine.
- **Data Science Ethics** by Cousera

SKILLS

Microsoft Office
Microsoft Word 365: Advanced
Microsoft Power Point 365: Advanced
Microsoft Excel 365: Advanced

Programming Languages
Python, R

Cloud Platform
Google Cloud Platform (GCP)

SKILLS

Big Data Technologies
Apache HBase: Basic
Apache Hive: Basic

Data Analysis & Machine Learning
Microsoft Power BI: Basic
WEKA: Basic
SAS: Intermediate
Octave: Basic

Languages
Malay: Advanced
English: Intermediate
Iban: Intermediate

ACHIEVEMENT

1. Deans Awards of Matriculation Sem 1
2. Bronze Medal for Schoolwide Enrichment Module (SEM) Science Project, TYPE III (Descriptive Category)
3. Yayasan Tun Taib Scholarship Holder

PROJECT UNDERTAKEN

Stroke Prediction (R programming)

- Successfully developed machine learning model to predict risk of getting stroke with high accuracy.
- Created Shinny Apps to predict risk of getting stroke

Predicting Food Insecurity in ASEAN Countries (Python)

- Successfully developed machine learning model to predict food insecurity (FI) in ASEAN countries with high accuracy
- Analysed the impact of food insecurity in ASEAN countries

Diet Optimization by using Simplex Method (Octave)

- Optimized a diet plan at minimal cost, tailored to individuals' preferences while meeting their nutritional needs effectively.

Association Rules and Clustering Technique in Data Mining: Case Study of Online Retail (SAS)

- Successfully performed market basket analysis and clustering technique on online retail data.
- The information extracted from this project help to assist in creating product recommendation and designing targeted marketing campaign

Global Economic Impact (GCP)

- Processed and analysed world bank data to enhance understanding of global economic impact post COVID-19 by utilizing tools on Google Cloud Platform.
- Integrated Looker Studio to visualize result of data analysis.

Final Year Project: Cardiac Rehabilitation Recommendation Prediction (Python)

- Developed machine learning models to predict cardiac rehab recommendation by using seven different algorithms integrated with features selected through feature selection techniques.
- The model performance in this study achieved high accuracy at 0.951 and has exceeded the performance of previous similar studies

REFERENCES

Available upon request