MOHAMAD NUR-HAFIZUDDIN ABDULLAH MOHAMAD NORAJAME

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PROFESSIONAL PROFILE

MSc Statistics graduate (final results pending) from the University of Leeds, holding a First-Class Honours degree in Mathematics from Universiti Brunei Darussalam. Skilled in applying various statistical methods to health, economics, and business applications. Proficient in R, EViews, and Microsoft Excel for data analysis, modeling, and data visualisation. Research interests include Bayesian statistics, statistical modeling, mixed-effects models, and biostatistics, with an interest in contributing to research that delivers insights and solutions in health, ecology, and social sciences.

EDUCATION

- **Master of Science in Statistics (Current Average Grade: 77.0%)**,   Sep 2024 - Sep 2025
  University of Leeds
  Supervisor: Dr. Elham Mirfarah
  Dissertation title: *Joint Model of Multivariate Longitudinal Data and Survival Data with Multivariate Student's t-distributed Measurements Errors*

- **Bachelor of Science in Mathematics (First Class Honours: CGPA 4.56)**,   Aug 2020 - May 2024
  Universiti Brunei Darussalam
  Supervisor: Dr. Elvynna Leong
  Final Year Project: *Trends of cancer incidence in children and adolescents in Brunei Darussalam*

- **GCE 'A' Level (grades A*ABC) and STPUB (grade "Excellent")**,   Jan 2018 - Nov 2019
  Sekolah Menengah Arab Laki-laki Hassanal Bolkiah

EMPLOYMENT

- **Biostatistician**   Nov 2025 - *present*
  Borneo Futures Sdn Bhd
  Conduct statistical modelling of the KehatiKu citizen science consultancy project.

PROJECT

- **Joint Model of Multivariate Longitudinal Data and Survival Data with Multivariate Student's t-distributed Measurement Errors**   June 2025 - Sep 2025

  - Developed a joint model framework for multivariate longitudinal data and survival data.

  - Extended existing joint models by assuming non-linear longitudinal trajectories and by incorporating multivariate t-distributed errors to ensure robustness against outliers.

  - Implemented Bayesian inference via Markov Chain Monte Carlo (MCMC) methods in R and Rcpp for parameter estimation.

  - Evaluated model performance through simulation studies and performed real data analysis on Alzheimer's disease datasets.

- **Trends of Cancer Incidence in Children in Brunei Darussalam**   May 2024 - *present*

  - Collaborated with Dr. Elvynna Leong on a research paper.

  - Utilized Microsoft Excel for data cleaning on raw data from the Ministry of Health Brunei Darussalam.

  - Analyzed childhood cancer data to estimate cancer incidence rates among children in Brunei Darussalam from 2002 to 2021 and to evaluate the trends of cancer incidence.

  - Used Joinpoint software to analyze trends in cancer incidence.

– Leveraged the ggplot2 package in R to create insightful visualizations of the childhood cancer data.

TECHNICAL SKILLS

Programming Languages:

- **R**: Data analysis, visualization using ggplot2 package, statistical modeling, Rcpp (C++ integration for high-performance computing)

Statistical Data Analysis:

- Regression Analysis (Linear and Generalised Linear Models), Hypothesis Testing, Survival Analysis, Time Series Analysis, Multivariate Analysis, Statistical Computing, Mixed-effects Modeling, Bayesian Analysis

Software and Tools:

- **RStudio**: Extensive use for data analysis and visualization
- **Microsoft Excel**: Data manipulation, data cleaning, basic data analysis, pivot tables

Project Management:

- Experience in managing and executing research projects, including data cleaning, statistical analysis, literature review, and report writing

Other Technical Skills:

- **EViews**: Experienced in performing regression analysis on economics data

INTERNSHIP/ATTACHMENT

- **Internship**　　　　　　　　　　　　　　　　　　　　　　　　　May 2024 - Jun 2024
  Takaful Brunei
  Acquired knowledge of key concepts and products of Takaful Brunei, and delivered weekly presentations on various topics including underwriting, Islamic financial planning, actuarial science, and risk management.

- **Short Term Attachment Programme (STAP)**　　　　　　　　　　Jul 2023 (2 weeks)
  Brunei Investment Agency (BIA), Brunei

- **Intern at Statistics and Data Collection Unit**　　　　　　　　Jan 2023 - Apr 2023
  State Judiciary Department, Brunei

HONOURS AND AWARDS

- **Postgraduate Degree Scholarship**,　　　　　　　　　　　　　Sep 2024 - Sep 2025
  Ministry of Religious Affairs, Brunei Darussalam

- **University Silver Medal**,　　　　　　　　　　　　　　　　　Aug 2024
  Universiti Brunei Darussalam

- **University Book Prize Winner for Level 4000 & 5000 in Mathematics**,　　Aug 2024
  Universiti Brunei Darussalam

- **BLNG Excellence Award**,　　　　　　　　　　　　　　　　　Aug 2024
  Universiti Brunei Darussalam

- **Vice-Chancellor's List for Semester 1, session 21/22**,　　　　　Oct 2022
  Universiti Brunei Darussalam

- **University Book Prize Winner for Level 2000 & 3000 in Mathematics**,　　Aug 2022
  Universiti Brunei Darussalam

- **Undergraduate Degree Scholarship**,　　　　　　　　　　　　Aug 2020 - May 2024
  Ministry of Religious Affairs, Brunei Darussalam

ACTIVITY

- **Brunei R User Group**   June 2024

  Facilitated the Introduction to R & RStudio workshop, assisting and navigating attendees with RStudio software, and providing guidance on basic R programming concepts.

OTHER SKILLS

Software	Microsoft Word, Powerpoint, Canva
Languages	**English**: professional proficiency. **Malay**: native. **Arabic**: Limited working proficiency

REFERENCES

- **Dr. Elham Mirfarah, Lecturer in Statistics, University of Leeds**   E.Mirfarah@leeds.ac.uk

- **Dr. Elvynna Leong, Assistant Professor in Statistics, UBD**   elvynna.leong@ubd.edu.bn

- **Dr Haziq Jamil, Assistant Professor in Statistics, UBD**   haziq.jamil@ubd.edu.bn