

Dr. Nur Syazwin Mansor



 34 Years Old
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 Wilayah Persekutuan Putrajaya

STATISTICIAN

A Statistician with experience specializing in tasks related to data integration and the development of databases. Currently positioned within the Big Data Analytics Division, I actively contribute to the development of significant big data projects within public sector and databases at national level.

EDUCATION

- 2023** **Ph.D. in Mathematics**
Universiti Teknologi Malaysia (UTM)
Thesis: Time-based Clustering of Homogeneous River Flow Pattern in Johor
Thesis Advisor: Assoc. Prof. Dr. Norhaiza Ahmad
- 2014** **M.Sc. in Applied Statistics**
Universiti Teknologi MARA (UiTM)
Dissertation: Covariates in Modeling of Cohort Fertility in Peninsular Malaysia
Dissertation Advisor: Asoc. Prof. Dr. Puzziawati Ab Ghani
- 2013** **B.Sc. (Hons) in Statistics**
Universiti Teknologi MARA (UiTM)

SKILLS

- R
- Python
- Visual Basic Application (VBA)
- SAS
- SQL

EXPERTISE

- Statistical and Multivariate Analysis
- Data Cleaning, Integration and Visualization
- Machine Learning
- Database Management
- Time Series Modelling

CERTIFICATION

- Certified SAS Data Scientist (2023)
- SAS Certified Professional: Data Curation for SAS Data Scientists
- SAS Data Management Tools and Applications
- SAS Programming 1: Essentials

PROFESSIONAL EXPERIENCE

Department of Statistics, Malaysia (DOSM)
Statistician

March 2019 - Present

As a team member of the Core Team Big Data Analytics division at DOSM, my primary responsibilities involve the collection, integration, and implementation of databases for big data initiatives. This role demands a comprehensive understanding of data management practices and technologies to facilitate the transformation of raw data into actionable insights.

Projects:

- Database Integration & Management of administrative data to develop an individual database at the national level (Pangkalan Data Utama - PADU), launched in January 2024.
- Utilizing the Public Maturity Assessment on Official Statistics (PMAOS), developed using Natural Language Processing (NLP), syntactic, and semantic techniques. The PMAOS serves as a tool for monitoring media.
- Collecting (Web Scraping) and cleaning data on website page (Google Maps) to identify Informal Sector activities to be integrated in Pangkalan Data Sektor Informal dan Industri Mikro (SIIM).
- Research on the usage of Mobile Phone Data (MPD) is underway for the National Pilot Project, aiming to track mobility patterns and produce tourism statistics.

Projects (cont.):

- Automation of producing mass publications (822) using Visual Basic Application (VBA) for Subnational Statistics of Parliament and State Legislative Assembly (SLA). This project has won the 'Champion for *Kategori Harapan*' award in the *Kumpulan Inovatif dan Kreatif (KIK) Horizon Baharu* Prime Minister's Office (PMO), named BizScape.
- Collecting (Web Scraping) and cleaning data on website page (Agoda and Booking.com) to identify Room Occupancy Rate (ROR) statistics.

Paisley Consulting Sdn Bhd

Dec 2012 - June 2013

Coordinator Executive

Preparing proposals and the meticulous coordination of consultations for a range of standards, including MS ISO 9001:2008, OHSAS 18001:2007, Good Manufacturing Practices (GMP), MS ISO 14001, and other applicable standards.

Paisley Consulting Sdn Bhd

Sep 2012 - Nov 2012

Researcher (Internship)

Facilitate data-driven decision-making by conducting comprehensive data collection, preparation, and statistical analysis tailored to the specific demands of our esteemed client, the Construction Research Institute of Malaysia (CREAM).

Kumon Learning Centre

June 2011- Aug 2011

Assistant Teacher (Mathematics)

Providing comprehensive educational support to children within the age group of 5 to 12 years. The primary focus is on nurturing and enhancing their mathematical skills through a combination of teaching, supervision, monitoring, and systematic performance recording.

PUBLICATION

- Grouping river flow patterns based on nonlinear features of short time series data. **Nur Syazwin Mansor**, Norhaiza Ahmad, AIP Conference Proceedings 8 February 2023; 2500 (1): 020030. <https://doi.org/10.1063/5.0111090>
- Assessing Dynamic-Time-Warping Dissimilarity Measures in Regionalization of River Discharges. **Nur Syazwin Mansor**, Norhaiza Ahmad, Arien Heryansyah. (2019). Malaysian Journal of Science. Special Issue 2: 14-22 DOI: <https://dpi.org/10.22452/mjs.sp2019no2.2> (SCOPUS)
- Performance of Time-based and Non-time-based Clustering in the Identification of River Discharge Patterns, **Nur Syazwin Mansor**, Norhaiza Ahmad, Arien Heryansyah, (2018). In Improving Flood Management, Prediction and Monitoring (Community, Environment and Disaster Risk Management, Volume 20) Emerald Publishing Limited, pp.133 – 140 (SCOPUS)
- Spatial grouping of homogeneous river flow process in Johor. **Nur Syazwin Mansor**, Norhaiza Ahmad (2017). Malaysian Journal of Fundamental and Applied Sciences. Special Issue on Some Advances in Industrial and Applied Mathematics (2017) 405- 407. issn:2289-5981(WOS)
- Azizah Rajab, Hamidah Abdul Rahman, Siti Aisyah Panatik & **Nur Syazwin Mansor**. Acculturative Stress among International Students, Journal of Economics, Business and Management, Vol. 2 (4), p. 262-265 (2014)
- Azizah Rajab, Roziana Shaari, Rosman Md Yusoff, Masdinah Md Yusof & **Nur Syazwin Mansor**. International Postgraduates Adaptation Experience, Journal of Economics, Business and Management, Vol. 2 (4), p.281-284 (2014)

PROCEEDING

- Hamidah Abdul Rahman, Azizah Rajab, Shahrollah Abdul Wahab, **Nur Syazwin Mansor** & Hidayatul Pertiwi Daim. *Gaya Pengurusan Konflik Dalam Kalangan Pekerja*. Proceeding for the HRD for Sustainable Development; HRD for Sustainable Growth. International Conference on Human Resource Development, 2015. Department of Human Resources Development, Faculty of Management, Universiti Teknologi Malaysia, 5- 7 April 2015, p. 213-218, ISBN 978-983-42745-3-5
- Hamidah Abdul Rahman, Azizah Rajab, Siti Aisyah Panatik, **Nur Syazwin Mansor** & Siti Hanisah Dzulkifli. *Faktor Tekanan Kerja Dalam Kalangan Pekerja*. Proceeding for the HRD for Sustainable Development; HRD for Sustainable Growth. International Conference on Human Resource Development, 2015. Department of Human Resources Development, Faculty of Management, Universiti Teknologi Malaysia, 5- 7 April 2015, p. 219 – 225, ISBN 978-983-42745-3-5

CONSULTATION & DATA ANALYSIS

- 2021** • Staff Perception on Nurse Manager Leadership Styles
- 2019** • Factors that Affect Faculty Attitudes towards Adoption of Technology-rich Blended Learning
- 2018** • Implementing Common European Framework of Reference for Languages (CEFR) in secondary education
 - *Keberkesanan kursus umum universiti dalam pembentukan sikap dan pengetahuan*
 - University students' communication apprehension across different communicative tasks
- 2016** • *Prevalen dan Faktor yang Mempengaruhi Kecelaruhan Tidur dikalangan Pekerja Syif di Johor*
 - Study on motivation of first year and fourth year engineering and non-engineering UTM JB students towards learning English
 - Survey on Teaching Literature Text among English Teachers in Johor
 - Survey on Implementation of Training on Students
- 2015** • An Investigation of Oral Communication Strategies Used by Employees at the Workplace Context
 - An Investigation Understanding in Higher Order Thinking Skills among Teachers
- 2014** • *Kajian Kepuasan Pelanggan Terhadap Agihan Zakat, Lembaga Zakat Selangor (LZS)*
 - Perception of Employees on Good Corporate Governance Practises in Business Environment (MARA)
 - *Penyelidikan Isu Pinjaman Tidak Berbayar dibawah Program Skim Pembiayaan Ekonomi Desa (SPED), Kementerian Kemajuan Luar Bandar dan Wilayah (KKLW)*
- 2013** • Survey on Payment Scenario in The Malaysian Construction Industry Prior to CIPAA
 - A Comprehensive Study to Evaluate The Impact of Liberalization on Contractors and their Readiness towards Liberalization
 - Awareness, Perception and Attitude towards Plagiarism among Lecturers and Students in Kolej Professional MARA Kuantan
 - *Kajian Mengenai Penyesuaian Diri, Alculturatif Stres dan Skil Penyelesaian Dalam Kalangan Pelajar Antarabangsa di Universiti Teknologi Malaysia (UTM)*
- 2012** • The Effectiveness of Training (Trade) offered by CIDB (146 respondents)
 - The Effectiveness of Training (Business) offered by CIDB (235 respondents)
 - The Effectiveness of Training (Specialist) offered by CIDB (162 respondents)
 - *Kajian Penggunaan Jentera dan Mesin dalam Kalangan Kontraktor G7 dalam Projek Pembinaan*
 - *Kajian Baseline Terhadap Penggunaan IBS dalam Projek Swasta di Kawasan Lembah Klang*
- 2011** • *Kajian Mengenai Tahap Kualiti Pendidikan dari Perspektif Pelajar Antarabangsa di Universiti Teknologi Malaysia*
 - Second Language Reading Anxiety: It's Relation with Academic Performance
 - Burnout Among Tertiary Educators in Universiti Teknologi Malaysia (UTM)
 - Mini Research on The Problems Of Child Abduction in Shah Alam
 - Mini Research on The Preparedness Level of Engineering Students in UniMAP
 - The Motivation of High English Proficiency and Limited English Proficiency Pupils in Suburban Primary School in Muar, Johor
 - Second Language Anxiety among Year 5 Primary School Learners in SK King George V

REFERENCE

Name: Ms. Mazliana Mustapa
Position: Chief Assistant Director
Company: Department of Statistics, Malaysia
Tel: +6019 – 271 5322
Email: mazliana@dosm.gov.my

Name: Assoc. Prof. Dr. Norhaiza Ahmad
Position: Senior Lecturer
Company: Universiti Teknologi Malaysia (UTM)
Tel: +6019 - 774 7457
Email: norhaiza@utm.my