

LIEW TZE HAO TIMOTHY

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Driven BI Analyst with experience in data analytics, psychological research methods, and teaching. Applied strong, critical thinking in performing data analysis, building tailored dashboards, and automating complex workflows and processes. Currently seeking to leverage skills and expertise in generating insights and value as a data analyst.

SKILLS AND EXPERTISE

- R/R Studio
- SQL
- Metabase
- SPSS, JASP, and jamovi
- MS Office Tools (Excel, Word, Powerpoint)
- Data wrangling, visualisation, and analysis

PROFESSIONAL EXPERIENCE

SEPTEMBER 2022 – PRESENT

BI ANALYST, NALURI, MALAYSIA.

Key Responsibilities

- **Designing quality dashboards** using Metabase and SQL to consolidate key metrics and support vital business decision-making.
- **Created Google Analytics reports** to track website usage and measure success of various business interventions.
- **Performing tailored data pulls using SQL** in a timely and efficient manner to help clients in their projects and daily operations.

Key Achievements

- **Collected and synthesized information** from digital coaches' pain points, providing key insights and direction in enhancing their care delivery and productivity.
- **Created segmentation models in SQL** that categorises users into different health groups to facilitate more focused care delivery.

OCTOBER 2019 – AUGUST 2022

LECTURER, HELP UNIVERSITY, MALAYSIA.

Key Responsibilities

- **Designing and refining modules** on psychological statistics and research methods at all levels of study.

Key Achievements

- **Devised a comprehensive Data Analytics for Psychology module**, instructing over 150 students on data analysis and using R and R Studio.
- **Conducted text analyses on student evaluations**, wrangling and visualising data to illustrate

student sentiment, opinions, and feedback on how to improve courses.

- **Analyzed** student withdrawal rates at the department and communicated pertinent feedback and solutions to superiors.
- **Streamlined and consolidated** numerous data compilation tasks using MS Excel macros and formulas, drastically reducing input errors and redundancy.
- **Expedited various administrative processes** by leveraging tools such as MS Excel and R Studio to automate exam score extraction, email dissemination, and lecturer subject allocations.
- **Pioneered new teaching techniques** by implementing Monte Carlo simulations to illustrate and simplify abstract statistical concepts.
- **Constructed R Shiny Apps** to solve various administrative challenges such as verifying student enrolments across multiple subjects, reducing time taken to complete tasks.
- **Collaborated with fellow researchers** to investigate statistics anxiety in a large-scale, multi-lab study.

AUGUST 2016 – AUGUST 2018

GRADUATE TUTOR, HELP UNIVERSITY, MALAYSIA.

Key Achievements

- **Created an MS Excel Marksheet** that automated various administrative tasks such as identifying student's pass/fail status, calculating deductions, and flagging data entry errors

EDUCATION

OCTOBER 2018

MSC IN BEHAVIOURAL AND DATA SCIENCE, UNIVERSITY OF WARWICK, UNITED KINGDOM.

Grade: Distinction

Date of completion: 30th September 2019

MAY 2013

BACHELOR'S DEGREE IN PSYCHOLOGY, HELP UNIVERSITY, MALAYSIA.

Overall CGPA: 3.73

Classification CGPA: 3.90

Honours: First Class

Date of completion: 30th September 2016

PORTFOLIO

DATA ANALYTICS PORTFOLIO

- Here is where you can find a collection of my data analytics projects and dashboards.

PERSONAL BLOG – TIDY TALKS

- I post all sorts of programming and data analysis content, including data visualisations and Monte Carlo simulations, and how I solve problems at my workplace using R.

PUBLICATIONS

- Liew, T., Goodwin, R., & Walasek, L. (2020). Voting patterns, revoking Article 50 and antidepressant trends in England following the Brexit referendum. Social Science and Medicine. <https://doi.org/10.1016/j.socscimed.2020.113025>

COURSES

FEBRUARY 2022

[SQL FOR DATA SCIENCE - COURSERA](#)

FEBRUARY 2021

[DATABASE FUNDAMENTALS \(SQL\) – HRD CORP E-LATIH](#)

JUNE 2020

[EXCEL/VBA FOR CREATIVE PROBLEM SOLVING, PART 1 – COURSERA](#)

REFERENCES

[REFERENCES AVAILABLE UPON REQUEST](#)