TENGKU MUHAMMAD HANIS BIN TENGKU MOKHTAR

Biostatistician/ Data Scientist

ABOUT ME

I am a data enthusiast. My interest includes medical statistics and machine learning application. Also, I am very interested in the use of R and Python in medical research.

RESEARCH PROFILE

H-index/Citations:
- Google Scholar: 7/130
- Web of Science: 5/66
- Scopus: 6/84

Publications summary:
Published 9 first authored papers, 8 co-authored papers, 1 co-authored book, and 1 single authored book (preprint)

LANGUAGES

Malay (Native), English (Fluent), Arabic, (Basic)

SOFTWARE

- Statistics: R, Python, Jamovi, SPSS
- Sample size: G*Power

CONTACT

Email : tengkuhanismokhtar@gmail.com

REFERRENCES

- Prof Dr Kamarul Imran Musa (Universiti Sains Malaysia) - drkamarul@usm.my
- Dr Wan Nor Arifin Wan Mansor (Universiti Sains Malaysia) – wnarifin@usm.my

MORE INFO

EDUCATION

Universiti Sains Malaysia
PhD (Public Health Epidemiology)
Feb 2020 – May 2024
Research: Prediction of breast cancer diagnosis using machine learning in Malaysia women

Universiti Sains Malaysia
MSc (Medical Statistics)
Sept 2017 – July 2019
CGPA: 3.30
Research: Relative survival and its prognostic factors of breast cancer patients in Kelantan from 2007 to 2011

Al-Azhar University
MBBCh (Bachelor of Medicine and Surgery)
Sept 2008 – June 2015
Result: Good / Jayyid (69.57%)

WORKING EXPERIENCE

Jom Research – Lead Academic Trainer
Aug 2023 – Present
- Develop module and material for workshops
- Conduct workshops virtually
- Manage preparation for incoming workshops including promotion and administration tasks

Universiti Sains Malaysia – Graduate Research Assistant
Nov 2019 – Feb 2023
- Project financial management and documentation
- Data collection and data cleaning
- Data analysis and publication

Lionbridge, United States - Online Map Quality Analyst
June 2017 – Oct 2021
- Analyze data mainly from online maps and search results
- Corrects errors in maps and search results
- Perform market research on the list of places of interest in Malaysia

SELECTED PUBLICATIONS

1) Developing a supplementary diagnostic tool for breast cancer risk estimation using ensemble transfer learning — Diagnostics
2) Over-the-counter breast cancer classification using machine learning and patient registration records — Diagnostics
3) Diagnostic accuracy of machine learning models on mammography in breast cancer classification: a meta-analysis — Diagnostics
4) Data analysis in medicine and health using R (book, published by CRC)
5) R essentials: a beginner's guide to data analysis (book, preprint)

WEB APPS

1) ShinyBC: breast cancer risk estimator [Available at: https://tengku-hanis.shinyapps.io/shinyBC/]