

# **Tengku Muhd Hanis Bin Tengku Mokhtar**

Kuantan, Pahang,  
Malaysia

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## **ABOUT ME**

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

## **EMPLOYMENT**

### **Universiti Sains Malaysia, Kelantan** – *Graduate Research Assistant*

NOVEMBER 2019 - PRESENT

- Project financial management
- Project documentation
- Data collection and data cleaning
- Data analysis and publication

### **Lionbridge, United States** - *Online Map Quality Analyst*

JUNE 2017 – PRESENT

- 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

### **MIMS Pte Ltd, Singapore** - *Freelance Writer*

MAY 2016 - AUGUST 2017

- Research medical-related topics
- Generate ideas for new content
- Prepare well-structured draft articles

### **Universiti Sultan Zainal Abidin, Terengganu** - *Hostel Fellow*

MARCH 2017 - MAY 2017

- Manage student activities in the university hostel
- Maintain a good discipline and adherence to the university hostel's rule among the students
- Manage student's concerns and issues related to the university hostel

## **EDUCATION**

### **Universiti Sains Malaysia, Kelantan** - *PhD (Public Health Epidemiology)*

FEBRUARY 2020 – PRESENT

- Research: Application of machine learning and statistical analysis on medical data

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## **Universiti Sains Malaysia, Kelantan - MSc (Medical Statistics)**

SEPTEMBER 2017 – JULY 2019

- CGPA: 3.30
- Research: Relative survival and its prognostic factors of breast cancer patients in Kelantan from 2007 to 2011

## **Universiti Sultan Zainal Abidin, Terengganu - MSc (Medical Physiology)**

SEPTEMBER 2016 - APRIL 2017 (NOT COMPLETED)

- Research: Prospective Randomized Control Trial (RCT) on pneumonia incidence among a high-risk group of Malaysian hajj pilgrims receiving 23-valent polysaccharide vaccine (PPSV23) and 13-valent pneumococcal conjugate vaccine (PCV13). (Not completed)

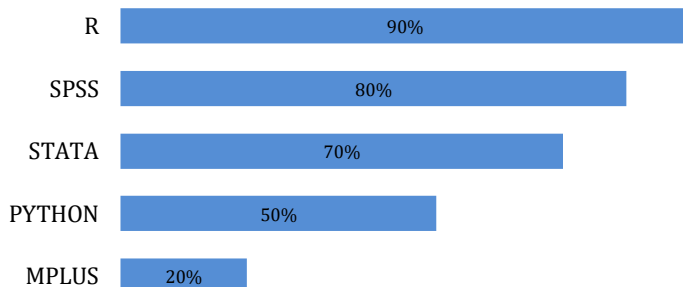
## **Al-Azhar University, Egypt - M.B.B.ch (Bachelor of Medicine and Surgery)**

SEPTEMBER 2008 - JUNE 2015

- Result: Good / Jayyid

## **SKILLS**

### **Statistical software**



## **PUBLICATIONS**

First-author:

- Modelling excess mortality among breast cancer patients in the north-east region of peninsular Malaysia 2007-2011: A population-based study – BMC Public Health [<https://doi.org/10.1186/s12889-019-8113-2>]
- Net survival differences of breast cancer between stages at diagnosis and age groups in the east coast region of West Malaysia: a retrospective cohort study – BMJ Open [<https://doi.org/10.1136/bmjopen-2020-043642>]
- The Top 100 Most-Cited Publications on Breast Cancer and Machine Learning Research: A Bibliometric Analysis – Current Medicinal Chemistry (Accepted)
- Mapping breast cancer research in Malaysia: A scientometric analysis – Healthcare (Under review)

Co-author:

- Measuring Time-Varying Effective Reproduction Numbers for COVID-19 and Their Relationship with Movement Control Order in Malaysia – International Journal of Environmental Research and Public Health [https://doi.org/10.3390/ijerph18063273]

## TALKS AND PRESENTATIONS

- Webinar: Basic of meta-analysis – Unit of biostatistics and research methodology, USM [August 18, 2021]
- Webinar: An introduction to meta-analysis using R – USM Epidemiological group [August 5, 2021]
- Talks: An introduction to relative survival analysis using R – Malaysian R User Group (MyRUG) [November 22, 2020]
- Webinar: An introduction to bibliometric analysis using R – Epidemiology and statistical modelling team, USM [September 24, 2020]

## OTHER RESEARCH ACTIVITIES

- Situation analysis and modelling of COVID-19 cases in Malaysia – Part of epidemiology and statistical modelling team, USM
- Founded Machine learning and statistical analysis study group – YouTube channel: Study Group-ML-Stat

## REFERENCES

Name: Assoc Prof Dr Kamarul Imran Musa  
Position: Medical Lecturer, USM  
Email: drkamarul@usm.my

Name: Assoc Prof Dr Najib Majdi Bin Yaacob  
Position: Coordinator of Unit of Biostatistics and Research Methodology, USM  
Email: najibmy@usm.my



<https://tengkuhanis.netlify.app/>



<https://github.com/tengku-hanis>