

# CURRICULUM VITAE

## PERSONAL DETAILS

Name : Ho Ming Kang  
Gender : Male  
Contact Number : 017-3382802  
Current Position : Assistant Professor, Head of Graduate School of Business  
ORCID : <https://orcid.org/0009-0001-0141-3910>  
Email : [ryanho1025@gmail.com](mailto:ryanho1025@gmail.com)  
Expected Salary : RM 18,000 – RM 19,500

## ACADEMIC QUALIFICATIONS

2006 B. Sci (Hons) Industrial Mathematics, CGPA: 3.92/4.00 (**First Class Honors**), University Technology Malaysia (UTM). Thesis title: “**Genetic Algorithms in Solving Constrained Optimization Problems**”.

2009 PhD (Mathematics), UTM. Thesis title: “**Missing Data Problems in Malaysia: Identification of Missingness Mechanism and Imputation of Missing Data**”

## FIELD OF EXPERTISE

1. Applied Statistics
2. Regression Analysis
3. Time Series Forecasting
4. Machine Learning
5. Operational Research and Optimization
6. Business Management

## RESEARCH EXPERIENCE

**2010** Research Assistant in UTM, Skudai for FRGS grant entitled: Modeling Missingness Mechanism using Logit Model.  
**Project Leader: Dr. Ismail Mohamad**

**2012** Research Assistant in UTM, Skudai for GUP project entitled: Hybrid of Self-Organizing Map and Multivariate Adaptive Spline Regression in Prediction of Missing Rainfall Data in Malaysia.  
**Project Leader: Dr. Fadhilah Yusof**

## **ROLES AND RESPONSIBILITY**

### **Head of Graduate School of Business (2023 – Present)**

- Overseeing Master's and PhD programmes in Business and Management programmes at APU, ensuring they align with the institution's objectives and standards.
- Managing all academic matters related to the different schools and providing strategic leadership including matters related to the management of academic staff of the school.
- Drive continuous programme improvements, regularly refining curricula, teaching methodologies, and learning outcomes. Notable achievements include revising the MSc in Digital Marketing, MSc in Digital Communication programmes, and Master of Accounting to better meet industry demands and MQA programme standards.
- Proactively identifying opportunities for introducing new programmes that meet market demands. Successfully launching specialisms within the MBA, including Business Analytics, Artificial Intelligence, Supply Chain Management, and Sustainable Leadership.
- Managing programmes under provisional accreditation (PA) to full accreditation (FA), ensuring the programmes well align with the MQA Standards. Programmes included are Doctor of Philosophy in Management (ODL), Doctor of Business Administration (DBA), MBA in ODL.

### **Taylor's University**

#### **Senior Lecturer I (2022 – 2023)**

- Supervising students' research at the Undergraduate and Postgraduate (PhD) level.
- Teaching Actuarial Studies modules: Life Contingencies I and II, Survival Models, Applied Statistical Methods
- Hub leader (FinTech) for Impact Lab: Digital Economy and Business Transformation
  - Managing projects related to the area of FinTech.
  - Update the Hub Director on the status of each hub member's initiatives or projects.

### **Asia Pacific University, APU**

#### **Senior Lecturer (2014 – 2022)**

- Supervising students' research at the Undergraduate and Postgraduate level.
- Being internal and external examiners for Undergraduate and Postgraduate students (PhD).
- Conducting workshops on data analysis:
  - Linear Regression (2016) – in conjunction to Data Science Week
  - Introduction to Linear Programming and Network Models (2017) – in conjunction to Data Science Week
  - Introduction to Regression Analysis (2018) – in conjunction to Data Science Week
  - Using SPSS in Data Analysis (2018) – Level 3 Undergraduate Students
  - Introduction to R: using ggplot2 (2019) – Academic staff in APU
  - Time Series Forecasting using R (2020) – PG students in SNR (India)
  - Machine learning in R (2022) – PG students in SNR (India)
  - Data Analytics using R (2022) – Research executive from MIROS and academic staff in APU
- Teaching the following modules since 2014:
  - Regression Analysis – Level 2 Actuarial
  - Predictive Analytics – Level 2 Actuarial

- Survival Analysis – Level 3 Actuarial
- Time Series and Forecasting Analysis – Master of Data Science
- Operational Research and Optimization – Master of Data Science

#### **Faculty Representative of Research Management Centre, RMC (2015 – 2022)**

- Conducting internal meeting to update members about process related to research grants.
- Performing quality check such as MyRA, SETARA and research application check.
- Coordinating research grants with other schools – Mathematics, Business, Finance and Accounting.

#### **Programme Leader of Postgraduate Programme (2018 – 2022)**

- Conducting monthly Research Colloquium to monitor students' progress in research
- Planning and organizing series of workshop for all the staff and MPhil/PhD students.
- Report to the Faculty on the progress of MPhil & PhD students in Business.
- Preparing documents for Programme Accreditation (PA & FA)– MPhil in Management, PhD in Finance, PhD in Management (ODL).
- Chairperson during the PhD assessments (Research Colloquium, Proposal Defence)

#### **PUBLICATIONS**

1. Ho, M.K., Fadhilah Y., Ismail, M. (2012). Imputation of Missing Data with Different Missingness Mechanism. Jurnal Teknologi, 57 (Sains, & Kej.), Keluaran Khas (1), pp. 57-67.
2. Ho, M.K., Fadhilah, Y. (2012). Homogeneity Tests on Daily Rainfall Series in Peninsular Malaysia. Int. J. Contemp. Math. Sciences, 7(1), pp. 9-22.
3. Ho, M.K., Fadhilah, Y. (2012). Application of Self-Organizing Map (SOM) in Missing Daily Rainfall Data in Malaysia. International Journal of Computer Application, 48(5), pp. 23-28.
4. Ho, M.K., Fadhilah, Y. (2013). Determination of Best-fit Distribution and Rainfall Events in Damansara and Kelantan, Malaysia. MATEMATIKA, Special Edition, 29(1b), pp. 43-52.
5. Munodawafa, R., Ho, M.K., Benjamin Chan, Y. F., (2015). A Study on Sport Consumption in Malaysia. European Academic Research, Vol. III, 3, pp. 3493-3505.
6. Bibi Rouksar, D., Ho, M.K., Benjamin Chan, Y. F., Raja Rajeswari (2017). Economic Crisis in Europe: Panel Analysis of Inflation, Unemployment and Gross Domestic Product Growth Rates. International Journal of Economics and Finance, 9(10), pp. 145-154.
7. Mahamoud, H.F., Ponnusamy, R.R., Ho, M.K., You, S.T. (2018). Improving the Process of Identifying Internally Displaced Persons with Big Data Technologies, International Journal of Innovative Technology and Exploring Engineering, 8(2S2), pp. 386-391.
8. Mustapa, M., Ponnusamy, R.R., Ho, M.K. (2019). Forecasting Prices of Fish and Vegetable using Web Scraped Price Micro Data. International Journal of Recent Technology and Engineering, 7(5S), pp. 252-256.
9. Dhandevi, W., Ho, M.K., Ponnusamy, R.R. (2019). Lee Carter Mortality Forecasting: Application to Mauritian Population. International Journal of Recent Technology and Engineering, 7(5S), pp. 169-175.
10. Lim, J.X. Ho, M.K. (2019). A Comparison of Classification Models for Life Insurance Lapse Risk. International Journal of Recent Technology and Engineering, 7(5S), pp. 245-250.

11. Wong, J.W., Ponnusamy, R.R., Ho, M.K. (2019). Application of weather index-based Insurance for Paddy Field: The Case of Malaysia, *International Journal of Advanced and Applied Sciences*, **6**(6), pp. 51-59.
12. Dhandevi, W., Ho, M.K. (2020). Developing Life Tables for Mauritian Population using Lee-Carter Mortality Forecasts. *International Journal of Psychosocial Rehabilitation*, **24**(2), pp. 1000-1011.
13. Ho, M.K., Hazlina Darman, Sarah Musa (2021). Stock Price Prediction Using ARIMA, Neural Network and LSTM Models. *Journal of Physics: Conference Series*, **1988**(012041), DOI:10.1088/1742-6596/1988/1/012041
14. Syed Mustafa, H.R., Ho, M.K., Lim, L.J.X. (2022). Modeling the Frequency and Severity of Commercial Fire Insurance Claims in Malaysia. *International Journal of Early Childhood Special Education*, **14**(3), pp. 7322-7327, DOI: 10.9756/INT-JECSE/V14I3.871.
15. Zhang, Y.P., Lim, L.C., Ho, M.K. (2022). Predictors of Helping Behavior among SME Employees in Kuala Lumpur, Malaysia: A Pilot Study. *International Journal of Early Childhood Special Education*, **14**(3), pp. 7576-7580, DOI: 10.9756/INT-JECSE/V14I3.901.
16. Ngoi, S.W., Ho, M.K. (2022). A Warehouse Location Optimisation using Mixed Integer Linear Programming: A Decision Support Tool with Visualisation. *International Journal of Early Childhood Special Education*, **14**(3), pp. 7638-7647, DOI: 10.9756/INT-JECSE/V14I3.910.
17. Permai, S. D., & Ho, M.K. (2022). Daily Rainfall Analysis in Indonesia Using ARIMA, Neural Network and LSTM. In *Geoinformatics and Data Analysis: Selected Proceedings of ICGDA 2022* (pp. 54-65). Cham: Springer International Publishing.
18. Wen, E. L. X., Ho, M.K. & Vistro, D. M. (2022). The Application of Machine Learning in Agriculture Sustainability: A Review. *International Journal of Data Science and Advanced Analytics (ISSN 2563-4429)*, **4**(4), 66-70.
19. Chia, L. S., Yoke, C. W., & Ho, M.K. (2023). Comparison of Imputed Statistics Across Rainfall Stations of Four Different Districts in Kelantan, Peninsular Malaysia. *Journal of Pharmaceutical Negative Results*, 393-404.
20. Hu, Z.Y., Chang, Y.F., & Ho, M.K. (2024). A comparative study on the effectiveness of blended learning, physical learning, and online learning in functional skills training among higher vocational education. *STEM Education*, **4**(3), 247-262. DOI: 10.3934/steme.2024015.
21. Ho, M.K., Sarah, M., Hazlina, D., Rizati, H. & Azzuhana, R. (2024). Application of machine learning models in predicting motorcyclist severity in heavy good vehicles (HGV) crashes in Malaysia. *AIP Conference Proceedings*, 3189, 040002.
22. Tee, P.K., Song, B.L., Ho, M.K., Wong, L.C. & Lim, K.Y. (2024). Bridging the gaps in digital skills: Employer insights on digital skill demands, micro-credentials, and graduate employability. *Journal of Infrastructure, Policy and Development*, **8**(9), 7313. DOI: <https://doi.org/10.24294/jipd.v8i9.7313>.
23. Lin, W.L., Leow, N.X.C., Lim, W.M., Ho, M.K., Yong, J.J., Pek, C.K. (2025). The influence of blockchain technology on circular economy implementation in the automotive sector: From a GMM model to a new machine learning algorithm. *Business Strategy and the Environment*, **34**(1), 1043-1061. DOI: <https://doi.org/10.1002/bse.4003>
24. Li, X., Filzah Md Isa., Ho, M.K., Cheng, P. (2025). Impact of technological innovation and executive incentives on corporate financial performance in Western China, *Edelweiss Applied Science and Technology*, **9**(5), 947-959. DOI: 10.55214/25768484.v9i5.7043

## PAPERS PRESENTED IN CONFERENCE

1. Ho, M.K. and Fadhilah Yusof (2010). Homogeneity Testing on the Daily Rainfall Series in Peninsular Malaysia. *The 1<sup>st</sup> IWA Malaysia Young Water Professionals Conference*, 2-4 March, Kuala Lumpur.
2. Ho, M.K., Fadhilah Yusof and Ismail Mohamad (2011). Estimation of Missing Values with Different Missingness Mechanism. *National Science Postgraduate Conference 2011 (NSPC 2011)*, 15-17 November, Johor Bahru. (Poster Presentation)
3. Ho, M.K. and Fadhilah Yusof (2012). Determination of Best-fit Distribution and Rainfall Events in Malaysia. *The 1<sup>st</sup> ISM International Statistical Conference 2012*, 4-6 September, Johor Bahru.
4. Fadhilah Yusof, Ho, M.K. and Ismail Mohamad (2012). Comparison of Imputation Methods in Estimation of Missing Data. *The Sixth International Conference on Environmental Science and Technology 2012*. 25-29 June, Houston, Texas USA.
5. Ho, M.K. and Fadhilah Yusof (2012). Hybrid Model of Probability Density Function Preserving Approach and Self-Organizing Map (SOM) in Estimation of Missing Daily Rainfall. *2<sup>nd</sup> International Conference on Water Resources (ICWR 2012)*, 5-6 November, Langkawi.
6. Ho, M.K., Hazlina Darman and Sarah Musa (2021). Stock Price Prediction Using Machine Learning And LSTM – Based Deep Learning Models. *Symposium Kebangsaan Sains Matematik ke-28 (SKSM28)*, 28 – 29 July, Virtual Conference.
7. Ho, M.K., Hazlina Darman and Sarah Musa (2023). Application of Machine Learning Models in Predicting Motorcyclist Severity in Heavy Good Vehicles (HGV) Crashes in Malaysia *Symposium Kebangsaan Sains Matematik ke-30 (SKSM30)*, 26 – 27 September.

## SUPERVISION PhD STUDENTS (COMPLETED)

### CO-SUPERVISOR

1. Stella Nyambura Mbau (PhD in Technology)  
Year of Graduated: 2019  
Thesis Title: A Flash Flood Nowcasting System for Rural Sub-Sahara Africa
2. Zhang Yapei (PhD in Management)  
Year of Graduated: 2022  
Thesis Title: Determinants of Helping Behaviours among Employees of the Selected Malaysian SMEs: Job Satisfaction as Mediator
3. Hu Zhongyan (Doctor of Philosophy (Business))  
Year of Graduated: 2025  
Thesis Title: A Study on the Effectiveness of the Blended Learning among Higher Vocational Institution for Functional Skills Required in China's Labour Market.
4. Li Xiaona (Doctor of Philosophy (Business))  
Year of Completed: 2025  
Thesis Title: Organisational Culture, Business Practices, Executive Incentives, Corporate Identity, and Corporate Financial Performance in Western China

## **SUPERVISION PhD STUDENTS (ON-GOING)**

### **Supervisor**

1. Abdul Aziz Said Salim Shamas (PhD in Finance)  
Research title: An Analysis of The Impact of Financial Volatility Estimates and Option Pricing Methods on the Returns and Risk Assessment in the Oman Stock Market
2. Xu Yani (PhD in Management)  
Research title: Employee engagement in the context of digital transformation: Evidence from Chinese manufacturing companies
3. Zhu Yanan (PhD in Management)  
Research title: Transformation Leadership and employee performance in the age of digital transformation
4. Zhou Yajie (PhD in Management)  
Research title: The Impact of Sustainability management practices on Sustainable Performance of Small and Medium-Sized Manufacturing Enterprises in Southwest China: The Moderating Role of the Circular Economy

## **PROGRAMME EXTERNAL EXAMINER**

1. Panel of Examiner of the Board of Studies in PG & Research Department of Mathematics  
Period: 2023 – Ongoing  
Institution: Sri Ramakrishna College of Arts & Science, Nava India, Avinashi Road, Coimbatore.

## **SOFTWARE PROFICIENCY**

<b>Computer Skills</b>	<b>Proficiency</b>
SPSS	Advanced
R	Advanced
Python	Intermediate
Power BI	Intermediate

## **REFERENCES**

1. Associate Professor Dr. Ibiwani Alisa  
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**Address:** School of Business, Asia Pacific University of Technology & Innovation  
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