

2018/2019 SESSION**SEMESTER I**

No.	Name	Student ID	Research Title	Supervisor
1.	Aneesha Pillay A/P Balachandran Pillay	SQB170001	Forecasting Mortality Rates Using the Lee-Carter Model and Its Extension	Dr. Dharini A/P Pathmanathan
2.	Avy Lau Hui Chwin	SQB170005	Estimating and Forecasting Volatilities with Range-Based Estimators Using Weighted Threshold Conditional Autoregressive Range Models	Dr. Ng Kok Haur
3.	Chen Kah Wen	SQB170004	Predictive Analytics for an Auto Insurance Claim Problem	Dr. Khang Tsung Fei
4.	Chin Tsung-Rern	SGD160002	The Modified Lee-Carter Model with Linearized Cubic Spline Parameter Approximation for Malaysian Mortality Data	Dr. Dharini A/P Pathmanathan
5.	Hemma A/P R. Permal	SGD160013	Bayesian Structural Time Series Model and Its Application	Dr. Adriana Irawati Nur Binti Ibrahim
6.	Tan Siow Yun	SQB170007	Modelling and Forecasting Integer-Valued Data Using INGARCH-Type Models	Dr. Ng Kok Haur
SEMESTER II				
1.	Cui Zhuang	SQB170013	Ridge Regression Approach in Logistic Regression Model	Dr. Nur Anisah Binti Mohamed
2.	Lim Chia Yeh	SQB170003	Missing Covariate in Survival Analysis by the Method of Multiple Imputation and Inverse Probability Weighting	Dr. Nur Anisah Binti Mohamed

3.	Nur 'Aisyah Binti Nasir	SQB170009	Analysis of Slope Soil Erosion at Different Vegetation Densities and An Investigation of Development of Plant Growth via Mixed Model and Lasso for Its Collinearity	Dr. Nur Anisah Binti Mohamed
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2019/2020 SESSION**SEMESTER I**

No.	Name	Student ID	Research Title	Supervisor
1.	Nurzafirah Hani Binti Mohd Yahya	SQB170010	Bayesian Approach to Error-in-Variables in Poisson Regression Model	Dr. Adriana Irawati Nur Binti Ibrahim
2.	Shafiqah Binti Azman	SQB180001	Generalized Nonlinear Model Approach in Mortality Modelling	Dr. Dharini A/P Pathmanathan
3.	Zetty Izzati Binti Zulki Alwani	SQB180003	Spatial Outlier Detection	Dr. Rossita Binti Mohamad Yunus

SEMESTER II

1.	Azimah Binti Ahmad	17020888/1	Influential Measures and Its Application on Surgical Gloves Dataset	Dr. Nur Anisah Binti Mohamed
2.	Maizatul Fashahah Binti Zulkifli	17014221/1	Spatial Temporal Modelling of PM10 with Climatological Predictor Variables	Dr. Rossita Binti Mohamad Yunus
3.	Norhasnidah Binti Zainal Abidin	17058609/1	A Generalized Additive Model Approach in Soil and Plant Quality Data	Dr. Nur Anisah Binti Mohamed
4.	Siti Fatimatul Rahmah Binti Abdullah	17021688/3	Meta-regression Analysis for Modelling and Forecasting Environmental Parameter	Dr. Rossita Binti Mohamad Yunus

2020/2021 SESSION**SEMESTER I**

No.	Name	Student ID	Research Title	Supervisor
1.	Chai Hui Xin	17060479/2	Absolutely Continuous Bivariate Kumaraswamy Distribution	Dr. Ng Choung Min
2.	Wong Tat Yau	17043975/1	A Bayesian Deep Learning Approach to Image Analysis using the Variational Autoencoder Model	Dr. Khang Tsung Fei

SEMESTER II

1.	Bahaa I. H. AlShantti	17219466/1	Parameter Estimation for Symmetric Circular Distributions	Dr. Ng Choung Min
2.	Bi Wei	17198618/1	Estimating Stock Volatility and Return: An Approach Based on Parkinson Measure and CARR Model	Assoc. Prof. Dr. Ng Kok Haur
3.	Farah Najwa Binti Mohd Ghazali	17218230/1	Statistical Modelling of Covid-19 Cases in Malaysia	Dr. Ng Choung Min
4.	Koay Hui Yin	17198497/1	Modelling of Air Pollution-Related Diseases in Malaysia	Dr. Adriana Irawati Nur Binti Ibrahim
5.	Lau Chia Chong	17177644/2	Predictive Maintenance Using the Attention Model in Deep Learning	Dr. Khang Tsung Fei
6.	Lee Chiau Hung	17014323/1	Style Analysis of Malaysian Stock Market using Bayesian Network	Dr. Adriana Irawati Nur Binti Ibrahim
7.	Nurul Alia Binti Mohamed	17201989/1	Risk Factors for Cervical Cancer: A Classification and Regression Tree Approach using GUIDE	Dr. Khang Tsung Fei
8.	Sun Mengyuan	17222027/1	Detecting Credit Card Fraud using Machine Learning Methods	Dr. Khang Tsung Fei
9.	Tan Keok Hua	17159111/2	Continuous Vector Representation in Recommendation System: A Case Study Using the Amazon Reviews Dataset	Dr. Khang Tsung Fei
10.	Wei Silu	17220997/1	Forecasting the Transmission of COVID-19 Using Long Short-Term Memory Networks	Dr. Adriana Irawati Nur Binti Ibrahim

11.	Wei Yau Chee	S2003688/1	Understanding Post-Chernobyl Radiocaesium Contamination in the United Kingdom: A Data Science Approach	Dr. Khang Tsung Fei
12.	Zhou Jingjia	17221250/1	Modified Location Control Charts for Monitoring Skewed Process	Assoc. Prof. Dr. Ng Kok Haur

2021/2022 SESSION**SEMESTER I**

No.	Name	Student ID	Research Title	Supervisor
1.	Chong Hin Chun	17202141/1	Stochastic Claims Reserving in General Insurance	Dr. Koh You Beng
2.	Farhana Afiqah Binti Adinan	17202252/1	Modelling Daily Covid-19 New Cases in Malaysia: Using GLM Method for Autoregressive Process with Log Link	Dr. Rossita Binti Mohamad Yunus
3.	Jing Yu	S2018018/1	Market Segmentation Analysis of E-Commerce Data from an Online Store	Assoc. Prof. Dr. Khang Tsung Fei
4.	Mun Kit Chin	S2021029/1	Unsupervised Segmentation of Credit Event Data: A Case Study Using the German Credit Data	Assoc. Prof. Dr. Khang Tsung Fei
5.	Qian Yi Chang	S2017947/1	Modelling Time Series of Counts with Overdispersion: A Comparative Study with Applications	Assoc. Prof. Dr. Ng Kok Haur
6.	Sie Kim Ting	S2003723/1	Confidence Region for the Difference Between Two Means of Multivariate Complex Normal Distribution	Dr. Adriana Irawati Nur Binti Ibrahim & Dr. Norli Anida Binti Abdullah
7.	Zi Yun Chow	S2021566/1	Application of Markov Regime Switching Model on Export-Led Growth in Malaysia	Dr. Koh You Beng

SEMESTER II

1.	Hafiz Arif Abdul Razak	S2024387/1	Application of Covratio Statistics to Detect the Outliers in the 2000-2019 Crescent Moon Data of Teluk Kemang Malaysia	Profesor Dr. Ibrahim Bin Mohamed & Dr. Siti Fatimah Binti Hassan
2.	Izzati Izyani Japar	S2016848/1	Bitcoin Price Fluctuation by Twitter Sentiment Analysis	Dr. Dharini A/P Pathmanathan

3.	Kah Xuan Lim	S2111260/1	On the Recognition of Chinese Calligraphy Characters Using Classical and Deep Learning Approaches	Assoc. Prof. Dr. Khang Tsung Fei
4.	Leilei Zhang	S2102959/1	An Empirical Study of the Efficacy of Correcting Batch Effects in RNA-SEQ Gene Expression Data Using Combat-Seq	Assoc. Prof. Dr. Khang Tsung Fei
5.	Ruby Devi Ram Singh	17061603/2	Assigning Taxonomic Domain and Organelle Type Using Codon Composition Data: A Machine Learning Approach	Assoc. Prof. Dr. Khang Tsung Fei
6.	Zheng Er Tan	S2018636/1	A Comparative Study for Best Subset Selection Methods in the Presence of Multicollinearity and Outlying Observations	Profesor Dr. Nor Aishah Binti Hamzah

2022/2023 SESSION**SEMESTER I**

No.	Name	Student ID	Research Title	Supervisor
1.	Ajmal Tahani Binti Ahmad Rahimi	S2128849/	The Analysis of the COVID-19 Patient's Mortality Risk Using Machine Learning and Deep Learning Method	Assoc. Prof. Dr. Rossita Binti Mohamad Yunus
2.	Alex Daniel A/L Krishnan	17218366	Sentiment Analysis of Cryptocurrency Using News Headlines	Dr. Dharini A/P Pathmanathan
3.	Fan Chin Yik	S2102156	Estimating Customer Lifetime Value for an Online Maternity Product Store	Assoc. Prof. Dr. Khang Tsung Fei
4.	Jingyi Jiang	S2109782	Functional Analysis of Variance (FANOVA) of Biomechanics Knee Gait Data	Dr. Nur Anisah Binti Mohamed
5.	Kim Xiong Ng	S2040416	Control Chart for Monitoring Fraction Nonconforming: A Comparative Study Based on Beta, Kumaraswamy, and Generalized Beta Distributions	Assoc. Prof. Dr. Ng Kok Haur
6.	Kok Soon Lim	S2105424	New Marshall-Olkin Extended Lifetime Distributions	Dr. Ng Choung Min
7.	Lei Ma	S2122211	Investigation on the Relationship Between Solar Activity and Large Earthquakes Worldwide	Dr. Nur Anisah Binti Mohamed
8.	Sarkaa Singh	S2104193/1	Volatility Modelling with Contemporary HAR Models and Exogeneous Variables, with Deep Learning	Assoc. Prof. Dr. Ng Kok Haur & Dr. Koh You Beng
9.	Wai Han Kan	S2109410	Statistical Modelling to Estimate Total Corneal Astigmatism: A Comparative Study on Linear Models	Assoc. Prof. Dr. Adriana Irawati Nur Binti Ibrahim & Dr. Norli Anida Binti Abdullah
10.	Veng Fung Wan	17218327	Predictive Analytics for Transportation Data: A Case Study of the New York Taxi and Limousine Commission Dataset	Assoc. Prof. Dr. Khang Tsung Fei

11.	Yan Bowen	S2032670	Modelling and Forecasting GDP Growth Using VAR Model	Assoc. Prof. Dr. Ng Kok Haur & Dr. Koh You Beng
12.	Yiwei Ang	S2038462	PGF-Based Parameter Estimation for INAR(1) Series	Dr. Ng Choung Min
13.	Yurui Tu	S2104704	The Mixed Weibull-Gamma Distribution for Worldwide Large Earthquake Frequency	Dr. Nur Anisah Binti Mohamed
14.	Zedi Chen	S2110957	Minimum and Maximum of Two Independent Discrete Exponential Family (DEF) Random Variables	Dr. Ng Choung Min
SEMESTER II				
1.	Andrianna Chin Sze Teng	17058277/1	Model Fitting and Forecasting of Malaysia's Future Infant Mortality Rate	Dr. Nur Anisah Binti Mohamed
2.	Marc Phoon Kun-Phang	S2042697	Multilevel Modelling of Occupation Effects on Wages in Malaysia	Assoc. Prof. Dr. Adriana Irawati Nur Binti Ibrahim
3.	Ding Jin Wei	S2102823	Deep Learning Based Portfolio Optimisation for the Modified Dow Jones Industrial Average Portfolio	Dr. Dharini A/P Pathmanathan
4.	Jiahao Cheng	S2125485	Portfolio Optimisation for Chinese Companies Traded on U.S. Stock Exchanges during the COVID-19 Era	Dr. Dharini A/P Pathmanathan
5.	Xu Guo	S2130902	Bayesian Circular-Linear Regression with Applications	Assoc. Prof. Dr. Adriana Irawati Nur Binti Ibrahim
6.	Qian Wang	S2141962	Forecasting Volatility via GARCH Models with Different Innovations: A Comparative Study with Applications	Assoc. Prof. Dr. Ng Kok Haur
7.	Wenwen Hou	S2149921	A Comparative Study of Machine Learning and Time Series to Improve Earthquake Frequency Prediction	Dr. Nur Anisah Binti Mohamed

2023/2024 SESSION**SEMESTER I**

No.	Name	Student ID	Research Title	Supervisor
1.	Hasnor Lot	S2039937	A Decision Tree Approach for Heart Disease Prediction using the Behavioral Risk Factor Surveillance System Data	Assoc. Prof. Dr. Khang Tsung Fei
2.	Teh Xian Zhi	S2102190	A Comparative Analysis of Frequentist and Bayesian GLMs: Application to Air-Pollution Related Disease	Assoc. Prof. Dr. Adriana Irawati Nur binti Ibrahim
3.	Runge Sun	S2107529	Comparisons between Survival Machine Learning with Survival Cox Proportional Hazards Models using Noncirrhotic Liver Cancer Data	Dr. Nur Anisah Binti Mohamed
4.	Mingjun Tang	S2114064	Modelling World Oil Price and China's Macroeconomy using Vector Autoregression Model	Assoc. Prof. Dr. Ng Kok Haur & Dr. Koh You Beng
5.	Chin Mee Ling	S2119841	Sales Analytics in E-Commerce Data: A Case Study of the Brazilian Olist Store	Assoc. Prof. Dr. Khang Tsung Fei
6.	Tushil Kumar R. Radhakrishnan	S2123621	Analysis of Functional Linear Regression with Truncated Signatures	Dr. Dharini A/P Pathmanathan
7.	Jiali Tian	S2126002	Survival Analysis Frailty Model on Heart Failure	Dr. Nur Anisah Binti Mohamed
8.	Zhao Xiu	S2141305	On the Prediction of Mental Health Status using Psychological, Physiological and Sociodemographic Variables	Assoc. Prof. Dr. Khang Tsung Fei
9.	Jiaming Tan	S2141940	The Investigation of Pinhole Defects in Surgical Gloves using Robust Techniques	Dr. Nur Anisah Binti Mohamed
10.	Yin Zih Hang	S2151383	Exploring Key Macroeconomic Factors of KLSE Stock Market: A Comparative Analysis of LSTM and ARIMA Models	Assoc. Prof. Dr. Ng Kok Haur

11.	Choo Eih Shin	S2151386	Next Purchase Analysis using Machine Learning Methods: A Case Study of the H&M Store Data	Assoc. Prof. Dr. Khang Tsung Fei
12.	Vivian Leong	S2164035	Bootstrap Control Chart for Generalised Beta of The Second Kind Distribution Percentiles	Assoc. Prof. Dr. Ng Kok Haur
13.	Anselm Su Ting	S2198508	Understanding Workplace Bullying in Malaysia: A Decision Tree Approach	Assoc. Prof. Dr. Khang Tsung Fei
SEMESTER II				
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