T2 2021 MIS771 Assignment 2 Rubric

Course: MIS771 - Descriptive Analytics And Visualisation

Analysis (max 35%)	Not attempted	Needs Improvement	Satisfactory	Good	Very Good	Excellent	Criterion Score
Tasks 2 & 3 GLO1 GLO5 15 Marks	0 points Does not use any appropriate bivariate exploratory data analysis tool. Either inappropriate predictive model is developed and/or analysis lacks All steps of mode-building process missing. Interaction analysis is missing. (0.0 - 5.9)	6 points Use irrelevant or inappropriate bivariate analysis tool. Relevant IVs are included in the predictive model, BUT some steps of model-building process missing. Interaction analysis is incorrect. (6 - 7.4)	7.5 points Use appropriate bivariate analysis tool to identify IVs, but there are errors in the analysis. A predictive model is developed with All model-building steps included, BUT the final model is incorrect and/or there are many errors in the analysis. Analysis of interaction effects is presented BUT there are many errors. (7.5 - 8.9)	9 points Appropriate bivariate analysis tool is used, but not all relevant IVs are identified. An appropriate predictive model is developed with All model-building steps presented BUT there are minor errors in the analysis. Interaction analysis is done correctly BUT wrong visualisation technique is used. (9 - 10.4)	10.5 points All relevant IVs are identified using proper bivariate analysis technique, but minor issues noted. The final model includes those IVs that have predictive power with All steps in model-building process clearly presented. Interaction analysis is presented accurately with proper visualisation technique BUT with minor errors. (10.5 - 11.9)	15 points Skillful and comprehensive analysis of bivariate relationships is presented and all relevant IVs are identified. Model-building process is presented in logical/comprehensive manner AND the final model is correct. Masterful analysis of interaction effects supplemented by a correct visualisation. (12 - 15)	/ 15

Analysis (max 35%)	Not attempted	Needs Improvement	Satisfactory	Good	Very Good	Excellent	Criterion Score
Task 4 GLO1 GLO5 15 Marks	0 points Either inappropriate predictive model is developed and/or analysis lacks. All steps of model-building process missing. Predicted probabilities are not calculated and/or a visualisation is missing. (0.0 - 5.9)	6 points Relevant IVs are included in the predictive model, BUT some steps of model-building process missing. Not All Predicted probabilities are calculated and/or a visualisation is missing. (6.0 - 7.4)	7.5 points A predictive model is developed with all model-building steps included, BUT the final model is incorrect and/or there are many errors in the analysis. All predicted probabilities are calculated and a visualisation is presented BUT there are many errors in the analysis. (7,5 - 8.9)	9 points An appropriate predictive model is developed with all model-building steps presented BUT there are minor errors in the analysis. All predicted probabilities are calculated and a visualisation is presented BUT there are minor errors in the analysis. (9 - 10.4)	10.5 points The final model includes those IVs that have predictive power with All steps in the model-building process clearly presented. All predicted probabilities are calculated correctly and a proper visualisation is presented. (10.5 - 11.9)	15 points The model-building process is presented in logical/comprehensive manner AND the final model is correct. A skilful and comprehensive analysis of predicted probabilities is presented along with a well-structured visualisation. (12 - 15)	/ 15
Task 5 GLO1 GLO5 10 Marks	1.5 points Does not use any appropriate time-series techniques. (0.0 - 2.9)	4 points Uses irrelevant or inappropriate techniques to analyse the time-series and/or there are many errors in the analysis. (3.0 - 4.9)	5.5 points A relevant time-series model is developed and but there are many errors in the analysis. (5.0 - 5.9)	6.5 points A relevant time-series model is developed and but there are minor errors in the analysis. (6.0 - 6.9)	7.5 points Time-series model is developed correctly and relevant measure(s) for evaluating the model quality is presented. (7.0 - 7.9)	10 points Time-series model developed correctly and presented in a clear and logical fashion including relevant visualisations. (8.0 - 10)	/ 10

Interpretation (max 60%)	Not attempted	Needs Improvement	Satisfactory	Good	Very Good	Excellent	Criterion Score

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Task 6 GLO1 GLO2 45 Marks	0 points Does not communicate any of the main findings of the analysis in an accurate or meaningful way. (0.0 - 17.9)	18 points Interpretation and communication of findings is at a basic level or does not adequately explain the main findings of the analysis. (18 - 22.4)	22.5 points Explains the main findings of the analysis accurately and enables reader to draw some reasonable conclusions. (22.5 - 26.9)	27 points Provides an accurate description of the most - BUT NOT ALL - important features of the analysis, with appropriate conclusions. (27 - 31.4)	31.5 points Provides very detailed and accurate descriptions of the most important features of the analysis. (31.5 - 35.9)	45 points Provides an outstanding description and conclusion of All relevant analysis/visualisation outputs. Interpretation of results are novel and insightful. (36 - 45)	/ 45

Technical Report - (Communication) (max 5%)	Not attempted	Needs Improvement	Satisfactory	Good	Very Good	Excellent	Criterion Score

Technical Report - (Communication) (max 5%)	Not attempted	Needs Improvement	Satisfactory	Good	Very Good	Excellent	Criterion Score
Task 6 GLO1 GLO2 5 Marks	0 points The technical report is poorly structured and/or few sections missing with a poor use of technical language. (0.0 - 1.4)	1.5 points The technical report is poorly structured. Only few analysis outputs are presented in appendix. Language is difficult to follow with many grammatical errors noted. (1.5 - 2.4)	2.5 points The technical report is well-structured with <u>All</u> required sections included. <u>Most</u> relevant analysis outputs are included in appendix. Communication is NOT clear throughout the report and grammatical errors noted. (2.5 - 2.9)	3 points The technical report is well-structured with <u>All</u> sections included. <u>All</u> relevant analysis outputs are included in appendix. Communication is clear with NO grammatical errors noted. (3.0 - 3.4)	3.5 points The technical reports on par with a professional report. All relevant analysis outputs are presented in appendix in a logical order. Written communication is clear, easy to follow and has a structure. (3.5 - 3.9)	5 points The technical report is masterfully structured. All relevant analysis outputs are included in appendix. Outputs are visually appealing, and follow a consistent formatting style. Language is truly professional and easy to follow. (4.0 - 5.0)	/ 5

Assignment planning and execution	Not attempted	Needs Improvement	Satisfactory	Good	Very Good	Excellent	Criterion Score

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Task 1 GLO6 10 Marks	0 points Takes no responsibility for maintaining accurate evidence of learning achievements from within formal course experiences. (0 - 2.9)	3 points Takes little responsibility for maintaining accurate evidence of learning achievements from within formal course experiences. (3 - 4.9)	5 points Takes responsibility for seeking improved learning and maintaining evidence of learning achievements from within formal course experiences, although there is some inconsistency in application. (5 - 5.9)	6 points Consistently takes responsibility for seeking improved learning and maintaining evidence of learning achievements from within formal course experiences. (6 - 6.9)	7 points Consistently takes responsibility for maintaining accurate and detailed evidence of learning achievements from within and beyond formal course experiences. (7 - 7.9)	10 points Consistently takes responsibility for maintaining accurate and compelling evidence of learning achievements from within and beyond formal course experiences. (8 - 10)	/ 10

Total	/ 100

Overall Score

Fail (N) 0 points minimum	Fail (N) 30 points minimum	Pass (P) 50 points minimum	Credit (C) 60 points minimum	Distinction (D) 70 points minimum	High Distinction (HD) 80 points minimum