Group Project

Weighting: 30%

Due on 24 Nov 2024

Guidelines:

Purpose: The group project is an opportunity to demonstrate knowledge of the specific issues pertaining to quantitative research covered in the course. Based on the objectives of the study, the group will use appropriate statistical techniques discussed in the class in analyzing the data.

Group Formation: Students are required to self-form their own groups of *FIVE* (**MAXIMUM**) to work on this assessment throughout the trimester. This is NOT an individual assessment. Group member names are required to be submitted in writing in the lecture or in the email by the end of *WEEK 3*.

Report Length and Format: The report should be between 2000 and 2500 words typed using MS Word and 1.5 line spacing with at least 2.5cm margins, excluding the tables, figures, and appendices.

The following is an **indicative** structure of your report:
- Introduction
- Research Design
- Hypothesis Development
- Results and Discussion
- Conclusion and Implication
- References
- Appendices

Report Submission: The Group Project Report is to be submitted in the electronic form to Turnitin **before 11:59 pm SGT on Sunday 24 November 2024.** Remember, only one member of the group needs to submit to Turnitin, but all members of the group are responsible for any incorrect matching text that may result.

The following items need to be included in the order listed:
1. *'ASSIGNMENT/ASSESSMENT ITEM COVER SHEET',* **fully completed and signed**;
2. *'Group Project Marking Rubric'* (see page 4)**.** This marking sheet will summarise your mark for each question and may provide a form of additional feedback; and
3. Your written assignment.

Marks Formation:

1.   The assignment is worth 30 marks, with 20 marks assigned for the group report and 10 marks for the group presentation in Week 11.

2.   A single mark is given for the assignment. This mark is then moderated by self and peer assessment so that individual group members may receive different marks. The moderated individual mark received by each group member is based on contribution to the assignment and, more importantly, the ability to work with others.

Marking Rubric: The marking rubric used to mark this assessment is attached at the end of this document.

Note that it is each student's responsibility to keep a copy of each assessment task submitted.

Required:

Design a quantitative study and prepare a report on your research project. Descriptive statistics, at least **TWO DIFFERENT** bivariate tests and multiple linear regression tests are required to be used in your project. In particular, you are required to:

1.   Identify your research questions

2.   Develop the appropriate hypotheses associated with each of the above research questions

3.   Apply the appropriate statistical techniques to test these hypotheses

4.   Use Microsoft Excel to produce the results

5.   Interpret your results from Excel and form the conclusions

6.   Make useful recommendations to the relevant users of your report.

Notes:

1.   Only provide descriptive statistics for variables used in multivariate analysis (only tables required, no need graphs).

2.   Bivariate tests include two independent samples t-test, paired-samples t-test, one-way ANOVA, chi-square test, correlation, and simple linear regression.

3.   The research topics/scenarios covered in our lecture notes cannot be used in the group project.

4.   You must clearly state in the report how you collect your data and measure your variables. If it is a dummy variable, please specify which category is your benchmark. If it is a metric variable, you are required to specify the unit of the variable.

Dataset: You are required to collect at least 100 observations for your sample based on your research questions and conduct statistical analyses based on the data you collected. You are also required to submit your raw data in Microsoft Excel format together with your report through Turnitin.

Checklist for assignment submission:

1. Cover Sheet: Ensure the cover sheet is complete with student names and IDs.
2. Group Report: Submit the full written report according to the guidelines.
3. Raw Dataset:
    -   Submit the raw data file used for statistical analysis **in Microsoft Excel** format as a separate attachment to Turnitin.

THE UNIVERSITY OF NEWCASTLE AUSTRALIA

Newcastle Business School

Group Project Marking Rubric

Date:	Course Code: PACC6008 Business Decision Making
Group No.:	

Criteria	Standards						
	Marks	**Fail**	**Pass**	**Credit**	**Distinction**	**High Distinction**	**Score**
Presentation Organisation, coherence and speaking skills	10	Presentation is choppy and disjointed; does not flow; speaker is uninterested and inaudible ; lack of interest	Concept and ideas are connected; clear transitions; flow and organisation are adequate; even rate with adequate expression; some interest	Information is presented in logical sequence; clear and proficient speaking skills; organised and some enthusiasm	All information is presented in logical sequence; well organised; clear, proficient and confident communication	All points were clearly and succinctly presented in logical sequence; highly organised; poised, clear articulation at steady rate; confident; enthusiastic	
Data, Organisation & Format	3	No description of research scenario, data source and variable measurement. Sections are poorly organised and some are missing. Many formatting or editorial errors exist.	Limited description of research scenario, data source and variable measurement. All required sections are included but may require further organisation. Formatting or editorial errors exist but do not impede the reader	Adequate description of research scenario, data source and variable measurement but without some inconsistencies. All required sections are included and organised. Minimal formatting or editorial errors exist.	Clear description of research scenario, data source and variable measurement. All required sections are included and well-structured and organised. No formatting or editorial errors exist.	Excellent description of research scenario, data source and variable measurement with proper citation. All required sections are effectively structured and organised. No formatting or editorial errors exist.	
Uses software to perform analysis and applies appropriate procedures	5	Tabulated statistical result is poorly organised and difficult to read. Applies inappropriate procedures. No	Minimal errors in statistical result. There are minor errors in the choice of the statistical procedures to analyse the	Tabulated statistical result is acceptable. Adequate choice of the statistical procedures to analyse the problem. The majority of factors	Statistical result is well organised. Applies appropriate statistical procedures to analyse the	Statistical result is well presented. Applies the most appropriate statistical procedures to analyse the problem. Explains	

		approach taken or approach was unclear.	problem. Several factors that influence the appropriate statistical procedures have been identified.	that influence the appropriate statistical procedures have been identified.	problem. Explains fully why the selected procedures are appropriate for the problem.	in detail why procedures are appropriate for the problem.
Analysis of the problem	10	Analysis incomplete or incorrect due to a major error or numerous minor errors in the interpretation of results. An analysis of results was not attempted or impossible to follow.	Analysis is complete and in the majority correct. A few minor errors in the interpretation of results are apparent.	Analysis is complete. Interpretation of the statistical results obtained is logical, correct, and explained.	An effective analysis is completed. Interpretation of the statistical results obtained is logical, correct, and explained clearly.	Thorough and deep analysis. Interpretation of the statistical results obtained is precise, logical, and explained at a professional level.
Recommendations provided	2	No discussion of recommendations	Limited discussion of recommendations, not relevant, do not link back to the results	Adequate discussion of relevant recommendations, but do not link to the results	Adequate discussion of relevant recommendations, and link to the results	Thorough discussion of various insightful recommendations and linked to the results
	30					

Comments: