<u>Objective</u>: Practice the analytics skills acquired

This assignment sets out for students to demonstrate your Excel and analytical skills that you have learned throughout this course using real dataset.

<u>Data Source</u>:

Download a data set from Kaggle.com. You can trim the dataset, but it must consist of at least 200 observations. In order to avoid duplication, please register your dataset using the link provided on eLearn.

<u>Structure of Assignment Report</u>:

The assignment structure should be as follow:

Cover Page	
Table of Contents	
Introduction	- Describe your dataset - Problem statements - Objectives
Methodology and Results	- Explain the method, and the choice of variable(s) - Show the results - Explain the results
Analysis of Results	- Analysis of the results - Discussions
Conclusion	
Appendices	

Conduct the following analyses:

1. Design TWO different queries using logical functions.
2. Design a retrieval application using a combination of VLOOKUP/MATCH/INDEX/IF functions.
3. Design a PivotTable, and use this Table to show/extract information and visualise this information using PivotChart.
4. Create THREE different charts.
5. Create visualisation using ONE of the following methods: data bars, colour scales, or customised icon sets.
6. Frequency distribution and histogram of a categorical variable.
7. Frequency distribution and histogram of a numerical variable.
8. Statistical measures using the Descriptive Statistics Tool of one of the variables.

9. Build a regression model and use this model for a prediction. Show all the steps involved.

Format of Assignment Report:

The report should be in A4 size, Times New Roman 12pt font, 1.5 line spacing, and one-inch margins throughout.

Submission:

Upload your Assignment Report and Excel spreadsheet (data and analyses) on eLearn. Save your file as <Assignment_Grp#.pdf>, and your Excel spreadsheet as <Data_Grp#.xls>.

Deadline:

Upload your Assignment Report and Excel spreadsheet to eLearn by **Friday 5pm 23rd June 2023**. **30% marks will be deducted for late submission**!