MDM4U DATA MANAGEMENT Culminating Activity (CA)
Statistics Project
Data Management CA – The Written Report/ Presentation

What should be included in your culminating project report/ presentation(The completed project)

Information

- include title of your research
- your name
- submission date

TABLE OF CONTENTS

- table of contents with names of each member beside the analysis section

INTRODUCTION

- Your Big question
- Rationale(Give justification as to the relevance of your topic and research(look at the samples reports posted in the Google classroom)
- provide background information (research background information that will help a reader understand your topic and Big Question)

DATA ANALYSIS

You data analysis should include the following:

- three data sets related to your topic
    - at least three measures of central tendency, in total (including mean, median, mode , standard deviation, range calculated using the spreadsheet) (watch the video posted in Google classroom)
    - Two Graphs: (choose the types of graphs that would best represent your analysis)
      i.e. Histogram, Box-and-Whisker Plot, Time-independent line graphs, bar graphs, circle graphs, frequency polygon
    - Interpret each graph (at least one line)
- two-variable statistics
    - scatterplots connecting two sets of your data .
        - interpret the graph(positive/ negative correlation, strong/ weak correlation

CONCLUSION (Answer the Big Question) [1 to 2 pages; Times New Roman; Font size -12; Typed]

- Answer the Big Question with support from data analysis and research

REFLECTION (1 page)

- Discuss your results
- Make predictions based on your models
- Share questions that arose from your research and data analysis

SOLUTIONS: Help the society/community with a piece of information or create an initiative to create an awareness

REFERENCES:

Citation for data and background information in MLA format

PRODUCT: You choose either to submit a written report followed by an in class presentation using slides/ powerpoint or prezi or any other multimedia format.

MARKING SCHEME for the WRITTEN REPORT/ PRESENTATION

Name: _____

Introduction

Statement of 'Big Question' and relevance to audience	0	1	2	3	4	
Background information	0	1	2	3	4	
Appearance (professionalism in presentation of report)	0	1	2			

Data Analysis

Appropriate one variable statistics chosen	0	1	2	3	4	5
Appropriate one variable graphs presented	0	1	2	3	4	5
Any three Statistical terms to analyse your graphs correlation,(mean, median, range, variance, mode, standard deviation,	0	1	2	3	4	5
Meaningful discussion of three graphs	0	1	2	3	4	5
Appropriate two variable graphs and tables presented	0	1	2	3	4	5

Conclusions

Predictions/ conclusions based on your models	0	1	2	3	4	5
Uses results from data analysis to answer the big question	0	1	2	3	4	5

References

Use of citations and references throughout the report	0	1		2	3
Reference page included in proper form	0	1	2		

Total marks for written report: /50