

MARK BSubmission

COMMENTSFILESRUBRIC

Group Set up - Group Number and Student IDs are correct and present

Description

0

0.5

1

Full marks

Group Number and all Student IDs present and correct

Correct GitHub URL submitted for the group

Description

0

2

4

Full marks

GitHub clone successful

No TomEPP@berkeley.edu been invited to join Groups GitHub repository?

Description

0

1

Full marks

Invitation sent

Dataset number provided?

Description

0

2

Dataset included and is correct

The Group report of the dataset includes their identifier

Datasets: Is a motivation given for investigating something within the allocated dataset/topic?

Description

0

1

2

3

A well written account of why this topic is of interest

Idea was feasible

A clear understanding of the topic under investigation is given in context (background and aims) and work is not repetitive and redundant. The group have a convincing motivation for asking a RQ of the dataset

Datasets: Column headings are presented with the first two rows of data separated by tabs

Description

0

2

4

All data is presented, but the presentation is unclear

Not clear which column relates to the RQ as shown, or there is something wrong with enough from file

separated by newlines rather than tabs making it very difficult to read

Datasets: The report type (what each line represents) is correctly identified

Description

0

1

3

The rows are correctly defined

Sometimes the row identifier may be a combination of variables, but the row identifier has to be clear (columns have the data is collected based on)

Data types (for variables): The datatype (Nominal, Ordinal, Interval/Continuous) of the dependent variable is correctly identified.

Description

0

6

The datatypes are correctly identified for the DV

The column variable name is given along with the correct type of data for the DV

Research Question: Is the question correct?

Description

0

2

7

8

10

Question conforms to one of the three types of question

The question is clear and the hypothesis is generally well correct (includes all relevant) and has some context to ensure the question is stated clearly

needs a bit more context - quality of education as compared by --

Research Question Variable order: Are the independent variable (IV) and the dependent variable (DV) correctly identified in the RQ?

Description

0

4

6

Question IV and DV are included, but the order is incorrect, or the hypothesis is incorrect

The order of the variables need to be corrected

should say is there a correlation

Research Question: Is the question feasible?

Description

0

4

8

With some adjustment, this question looks feasible and workable

Factorial design is needed (there may be a more suitable design using the data) - The answer needs to show a design with the chosen variables (e.g. the dependent variable is a subset of the independent variable, etc)

Hypotheses: Do the hypotheses reflect the RQ?

Description

0

3

6

One hypothesis is correct, or both have a small error

One is correct, but the response needs small corrections

Is there a .png file with a data visualisation included (to include all required plots)?

Description

0

2

4

Yes there is a higher .png file with all required plots

2 plots for Comparison of Means/Median, and Correlation. 1 plot for Comparison of proportions as hypothesis required.

Data Visualisation: For Comparison of Means/ Medians and Correlation questions only, is the Histogram correct (focus on the overlay)?

Description

0

2

5

Yes there is a histogram of the dependent variable or Histogram not required

Focus on the overlay. Should produce a smooth normal bell curve overlay over the histogram (not hand-drawn)

we still gives you full marks - yes but the kind of wrong, because this has multiple overlay over multiple years - your histogram is a bit misleading. As there were data 2-2m above over the year - yes because the scaling is not every year - but that is not really very interesting to know

Data Visualisation: Does response state whether dep variable appears normally distributed or not? (N/A for comp of proportions)

Description

0

1

3

The distribution is correctly identified

By looking at the shape of the histogram, and the bell curve overlay, the distribution correctly identifies whether the data is normally distributed or not.

Is/Are the visualisation(s) correct?

Description

0

6

7

9

Yes, the plot looks correct and matches the RQ

All number of data rows are clearly identified with units of measures, and there is a summary covering through the variables (the context of the variables - what they are). The units used are appropriate (e.g. for the scaling from the dataset column is abbreviated, underscored, etc. The dependent variable is written in full)

yes but its odd

Data Visualisation: For Comparison of Means/ Medians and Correlation questions only, is the Histogram correct (focus on axes, title, units)?

Description

0

2

5

Yes there is a histogram of the dependent variable or Histogram not required

Y and X axes are clearly identified, including the units of the variables, and the plot has a title. The variables difference either side of axis, but both are acceptable. They produce a smooth normal bell curve overlay over the histogram.

Data Analysis: Is a suitable statistical test selected for the data? Look at the shape too.

Description

0

1

4

5

Yes given the shape of the data, and the datatypes the correct statistical test is selected

The test for Comparison of means is correctly applied on the distributions. Possible answers are Pearson's Correlation, Chi-squared, Confidence Interval's T-test, Wilcoxon test, etc. Name(s) of the tests given for the hypothesis question. Note: parametric test that reflects the shape of dependent variable.

Reflection: Is there a short explanation about what the data might show after the tests are completed?

Description

0

2

5

Rather a short and limited understanding of the wider context of the question is shown

Clear English or unclear argument as to what the outcome of the tests might be.

Reflection: Is there cohesion between all elements of assignment (Dataset, RQ, Visualisation and Statistical Analysis, Reflection)?

Description

0

5

6

10

Clear cohesion between all elements of this assignment

An excellent question is presented that is not obvious, is well motivated, and supported by all the elements in the assignment.