

Commentary on candidate evidence

The candidate evidence has achieved the following marks for each question of this course assessment in the project.

Candidate 1

Introduction

The candidate was awarded **5 out of 6 marks**.

- ✓ Mark 1 was awarded because the candidate explained the background and context of the project.
- ✓ Mark 2 was awarded because the candidate stated the research question includes 'relationship'.
- ✓ Mark 3 was awarded because the candidate stated that numerical data was used.
- ✓ Mark 4 was awarded because the candidate provided information on the background of the data.
- ✗ Mark 5 was not awarded because the candidate did not discuss the validity of the source.
- ✓ Mark 6 was awarded because the candidate made a justification regarding bias.

Candidate 2

Introduction

The candidate was awarded **5 out of 6 marks**.

- ✓ Mark 1 was awarded because the candidate explained the background and context of the project.
- ✓ Mark 2 was awarded because the candidate stated the research question (includes 'relationship').
- ✓ Mark 3 was awarded because the candidate stated the numerical data used.
- ✓ Mark 4 was awarded because the candidate provided information on the background of the data.
- ✓ Mark 5 was awarded because the validity of the source has been discussed.
- ✗ Mark 6 was not awarded. Although the candidate attempted to discuss whether the data is unbiased, more detail is required.

Candidate 3

Introduction

The candidate was awarded **4 out of 6 marks**.

- ✓ Mark 1 was awarded because the candidate explained the background and context of the project.
- ✓ Mark 2 was awarded because the candidate stated that the research question (included 'relationship').
- ✓ Mark 3 was awarded because the candidate stated the numerical data used.
- ✓ Mark 4 was awarded for the information the candidate provided on the background of the data.
- ✗ Mark 5 was not awarded because the candidate did not discuss the validity of the source.
- ✗ Mark 6 not awarded because the candidate did not discuss whether the data is unbiased and uninfluenced.

Candidate 4

Introduction and conclusion

The candidate was awarded **1 out of 6 marks**.

- ✗ Mark 1 was not awarded as there was no explanation of the background and context of the project.
- ✓ Mark 2 was awarded because there is a research question.
- ✗ Mark 3 was not awarded because no type of data was stated.
- ✗ Mark 4 was not awarded because the candidate provided no information on the background of the data source.
- ✗ Mark 5 was not awarded because the candidate did not discuss the validity of the source.
- ✗ Mark 6 was not awarded because the candidate did not discuss whether the data is unbiased and uninfluenced.

Candidate 5

Subjective impression

The candidate was awarded **5 out of 8 marks**.

- ✓ Mark 7 was awarded for the appropriate graph (even although it is a bar chart with numerical data it is clear that it is helpful to show the data).
- ✗ Mark 8 was not awarded as the graph is inappropriate.
- ✗ Mark 9 was not awarded because there is no mention of how helpful the graph is.
- ✗ Mark 10 was not awarded because there is no mention of how helpful the graph is.
- ✓ Mark 11 was awarded because the graphs, labels and titles are correct.
- ✓ Mark 12 was awarded for the location of measure.
- ✓ Mark 13 was awarded because the spread was stated.
- ✓ Mark 14 was awarded because the statistics were labelled.

Candidate 6

Subjective impression

The candidate was awarded **5 out of 8 marks**.

- ✓ Mark 7 was awarded for the appropriate graph.
- ✗ Mark 8 was not awarded because the graph is inappropriate.
- ✗ Mark 9 was not awarded because there is no mention of how helpful the graph is.
- ✗ Mark 10 was not awarded because there is no mention of how helpful the graph is.
- ✓ Mark 11 awarded because the graphs were labelled and the titles are correct.
- ✓ Mark 12 was awarded for the location of measure.
- ✓ Mark 13 was awarded as the spread was stated.
- ✓ Mark 14 was awarded as the statistics were labelled.

Candidate 7

Subjective impression

The candidate was awarded **7 out of 8 marks**.

- ✓ Mark 7 was awarded for the appropriate graph.
- ✓ Mark 8 was awarded for the appropriate graph.
- ✓ Mark 9 was awarded for the appropriate comment on the helpfulness of the graph.
- ✓ Mark 10 was awarded for the appropriate comment on the helpfulness of the graph.
- ✗ Mark 11 was not awarded because the boxplot label is missing.
- ✓ Mark 12 was awarded for the location of measure.
- ✓ Mark 13 was awarded as the spread was stated.
- ✓ Mark 14 was awarded as the statistics were labelled.

Candidate 8

Analysis and interpretation

The candidate was awarded **6 out of 6 marks**.

- ✓ Mark 15 was awarded because the appropriate test was used.
- ✓ Mark 16 was awarded because the appropriate output was stated.
- ✓ Mark 17 was awarded because the candidate interpreted the confidence interval.
- ✓ Mark 18 was awarded for the interpretation of the p-value.
- ✓ Mark 19 was awarded because the descriptive statistics have been interpreted.
- ✓ Mark 20 was awarded for the correct interpretation of both graphs.

Candidate 9

Analysis and interpretation

The candidate was awarded **6 out of 6 marks**.

- ✓ Mark 15 was awarded because the appropriate test was used.
- ✓ Mark 16 was awarded because the candidate stated the appropriate output.
- ✓ Mark 17 was awarded because the candidate interpreted the confidence interval.
- ✓ Mark 18 was awarded for the interpretation of p-value.
- ✓ Mark 19 was awarded because the descriptive statistics have been interpreted.
- ✓ Mark 20 was awarded for the correct interpretation of both graphs.

Candidate 10

Analysis and interpretation

The candidate was awarded **2 out of 6 marks**.

- ✓ Mark 15 was awarded for the appropriate choice of test (Pearson's product moment correlation coefficient).
- ✓ Mark 16 was awarded for performing the correct test and providing output.
- ✗ Mark 17 was not awarded as there is no interpretation of the strength of the linear correlation.
- ✗ Mark 18 was not awarded as there is no interpretation of the p-value.
- ✗ Mark 19: was not awarded because there is no interpretation of descriptive statistics.
- ✗ Mark 20: was not awarded because there is no interpretation of the graphical displays.

Candidate 11

Conclusion

The candidate was awarded **0 out of 4 marks**.

- ✘ Mark 21 was not awarded because the answer to the research question did not reference the graphical displays in context.
- ✘ Mark 22 was not awarded because the answer to the research question did not reference all descriptive statistics in context.
- ✘ Mark 23 was not awarded, because the answer to the research question is not justified by referencing the additional statistics in context.
- ✘ Mark 24 was not awarded. Because marks 21, 22 and 23 have not been awarded, this mark is not available.

Candidate 12

Conclusion

The candidate was awarded **4 out of 4 marks**.

- ✓ Mark 21 was awarded because the answer to the research question is justified by referencing the graphical displays correctly in context.
- ✓ Mark 22 was awarded because the candidate referenced all descriptive statistics correctly in context.
- ✓ Mark 23 was awarded because the answer to the research question is justified by referencing the additional statistics correctly in context.
- ✓ Mark 24 was awarded because the candidate made reference to all of their graphical displays and statistics and the final conclusion was stated.