

▼ Exercise 1: Describing Data

10 points

Criteria Description

5. Target 10 points

Analysis of the mean, median, range, and standard deviation for the designated variables is complete and thoroughly interprets the results for statistical functions required.

4. Acceptable 8.7 points

Analysis of the mean, median, range, and standard deviation for the designated variables is complete and interprets most of the results from the required statistical functions.

3. Approaching 7.9 points

Analysis of the mean, median, range, and standard deviation for the designated variables is included but contains some errors and the interpretation of the results is lacking.

2. Insufficient 7.4 points

Analysis of the mean, median, range, and standard deviation for the designated variables and interpretation of the results are incomplete or incorrect.

1. Unsatisfactory 0 points

Analysis of the mean, median, range, and standard deviation for the designated variables is not included.

Criteria Description

5. Target

10 points

Analysis of the minimum, maximum, median, quartiles and creation of the box and whisker chart and scatter chart is complete and thoroughly interprets the results for statistical functions required.

4. Acceptable

8.7 points

Analysis of the minimum, maximum, median, quartiles and creation of the box and whisker chart is complete and interprets most of the results from the required statistical functions.

3. Approaching

7.9 points

Analysis of the minimum, maximum, median, quartiles and creation of the box and whisker chart and scatter chart is included but contains some errors, and the interpretation of the results is lacking.

2. Insufficient

7.4 points

Analysis of the minimum, maximum, median, quartiles and creation of the box and whisker chart and scatter chart and interpretation of the results are incomplete or incorrect.

1. Unsatisfactory

0 points

Analysis of the minimum, maximum, median, quartiles and creation of the box and whisker chart and scatter chart is not included.

Criteria Description

5. Target

18 points

Determination of the null and alternative hypothesis, selection of the correct statistic test, formulation of the decision rule, including a calculation of the p-value for the designated variables, are complete and thoroughly interpret the results for the statistical tests required.

4. Acceptable

15.66 points

Determination of the null and alternative hypothesis, selection of the correct statistic test, formulation of the decision rule, including a calculation of the p-value for the designated variables, are complete and interpret most of the results from the required statistical tests.

3. Approaching

14.22 points

Determination of the null and alternative hypothesis, selection of the correct statistic test, formulation of the decision rule, including a calculation of the p-value for the designated variables, are included but contain some errors, and the interpretation of the results is lacking.

2. Insufficient

13.32 points

Determination of the null and alternative hypothesis, selection of the correct statistic test, formulation of the decision rule, including a calculation of the p-value for the designated variables, and interpretation of the results are incomplete or incorrect.

1. Unsatisfactory

0 points

Determination of the null and alternative hypothesis, selection of the correct statistic test, formulation of the decision rule, including a calculation of the level of significance for the designated variables, are not included.

Criteria Description

Includes spelling, capitalization, punctuation, grammar, language use, sentence structure, etc.

5. Target

2 points

No mechanical errors are present. Skilled control of language choice and sentence structure are used throughout.

4. Acceptable

1.74 points

Few mechanical errors are present. Suitable language choice and sentence structure are used.

3. Approaching

1.58 points

Occasional mechanical errors are present. Language choice is generally appropriate. Varied sentence structure is attempted.

2. Insufficient

1.48 points

Frequent and repetitive mechanical errors are present. Inconsistencies in language choice or sentence structure are recurrent.

1. Unsatisfactory

0 points

Errors in grammar or syntax are pervasive and impede meaning. Incorrect language choice or sentence structure errors are found throughout.

Total 40 points