BANL 300 Introduction to Analytics

Homework 9 (20 points)

This homework is due by 12:00 p.m. on Monday, April 3. Assignments turned in late will receive a 5-point deduction for every day it is late.

Go to the Delaware Open Portal website: <https://data.delaware.gov/>

Click on Education

Select the Dataset for Student Assessment Performance

Download the data dictionary and list the description for the variable proficient.

Use the filter to display Appoquinimink School District under the column for District and a filter for ELA under the column for content area (select all possible spellings for ELA) and a filter for 3th Grade under the column for grade and Reported under the column for Row Status.

How many rows of data are there? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Click the Export button. Save the file as a CSV file.

Open the Excel file and save it as an Excel workbook file.

Calculate the mean, median, minimum, maximum, range, and standard deviation for the values in the column for proficient. Round all calculations to the nearest hundredth and record the units as students.

Report the mean and standard deviation as a table in APA 7 format.

Construct a Frequency Distribution for the values in the column for proficient, use categories of less than 50, 50 – 99, 100 or more.

Report the Frequency Distribution as a table in APA 7 format.

Construct a Histogram for the proficient frequencies.

Copy the Histogram as a figure in this word document in APA 7 format.

Use the filter to display Appoquinimink School District under the column for District and a filter for ELA under the column for content area (select all possible spellings for ELA) and a filter for 5th Grade under the column for grade and Reported under the column for Row Status.

How many rows of data are there? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Click the Export button. Save the file as a CSV file.

Open the Excel file and save it as an Excel workbook file.

Calculate the mean, median, minimum, maximum, range, and standard deviation for the values in the column for proficient. Round all calculations to the nearest hundredth and record the units as students.

Report the mean and standard deviation as a table in APA 7 format.

Construct a Frequency Distribution for the values in the column for proficient, use categories of less than 50, 50 – 99, 100 or more.

Report the Frequency Distribution as a table in APA 7 format.

Construct a Histogram for the proficient frequencies.

Copy the Histogram as a figure in this word document in APA 7 format.

Use the filter to display Appoquinimink School District under the column for District and a filter for ELA under the column for content area (select all possible spellings for ELA) and a filter for 8th Grade under the column for grade and Reported under the column for Row Status.

How many rows of data are there? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Click the Export button. Save the file as a CSV file.

Open the Excel file and save it as an Excel workbook file.

Calculate the mean, median, minimum, maximum, range, and standard deviation for the values in the column for proficient. Round all calculations to the nearest hundredth and record the units as students.

Report the mean and standard deviation as a table in APA 7 format.

Construct a Frequency Distribution for the values in the column for proficient, use categories of less than 50, 50 – 99, 100 or more.

Report the Frequency Distribution as a table in APA 7 format.

Construct a Histogram for the proficient frequencies.

Copy the Histogram as a figure in this word document in APA 7 format.

Now report the mean and standard deviation for all three grades as a table in APA 7 format.