Homework assignment 04

Use black text (if possible) for everything you include in this document. Keep both your answers and the original questions. Save this document in PDF format and submit it on Canvas. Include your last name, the course number and the module number in the name of your file.

1. Show a documentation header.

2. Download the acid rain data and import it into SPSS or another software package. This is a text file with comma delimiters. Further information about the data is in the file itself. You do not need to show the dialog box or program code but do show the first five rows of data.

3. Draw a histogram for the pH values. Show the dialog box or code as well as the output.

4. Interpret this histogram.

5. Test the hypothesis that the average pH level is different from 7.0. This is a two-tailed test. Show the dialog box or code as well as the output.

6. Interpret the results of your hypothesis test.

7. Download the weight data and import it into SPSS or another software package. This is an Excel spreadsheet. Further information about the data is stored in a separate worksheet. You do not need to show the dialog box or program code but do show the first five rows of data.

8. Draw a histogram for the weights. Show the dialog box or code as well as the output.

9. Interpret this histogram.

10. Test the hypothesis that the average weight is greater than 140 pounds. This is a one-tailed test. Show the dialog box or code as well as the output.

11. Interpret the results of your hypothesis test.