

Assignment Instructions

DESCRIPTIVE STATISTICS

Your first IBM SPSS assignment includes two sections in which you will do the following:

- Create two histograms.
- Calculate measures of central tendency and dispersion.

This will give you some experience with the data set.

Key Details and Instructions

- Submit your assignment as a Word document.
- Refer to the [IBM SPSS Step-by-Step Guide: Histograms and Descriptive Statistics \[DOC\]](#) and to the [Copy/Export Output Instructions \[HTML\]](#) for additional help in completing this assignment.
- As you work on this assignment, you may find the [Data Set Instructions \[DOC\]](#) helpful.
- Provide a title for your document and your name.

The [grades.sav](#) file is a sample SPSS data set. The data represent a teacher's recording of student demographics and performance on quizzes and a final exam. This week, you will create and describe two histograms and a descriptives table using these data.

Part 1

Create two histograms for visual interpretation using the following variables:

SPSS Variable	Definition
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Gender	female =1; male =2
Final	final exam: number of correct answers

Create two histograms and paste them into your Word document:

- A histogram for male students.
- A histogram for female students.

Briefly describe what a visual inspection of this output tells you about the nature of the curves.

Part 2

Create a descriptives table to assess measures of central tendency and dispersion using the following variables:

SPSS Variable	Definition
GPA	Previous grade point average
Quiz3	Quiz 3: number of correct answers

Create a descriptives table and paste it into your Word document.

Under the table:

- Report the mean, standard deviation, skewness, and kurtosis for GPA and quiz3.
- Briefly describe what skewness and kurtosis tell you about these data with regard to normality.

Submit both sections of your assignment as an attached Word document.