

Statistics Assignments Using Excel® Assignment #2: Creating a Histogram

The data below are a randomly collected sample of $N = 50$ exam scores from an introduction to psychology class.

81.0	68.0	68.0	73.0	73.0
81.0	82.0	75.0	74.0	73.0
71.0	84.0	76.0	74.0	62.5
71.6	84.5	67.0	67.5	85.0
71.9	78.0	67.0	67.7	86.4
72.0	78.0	72.0	71.0	68.0
69.0	64.0	72.0	71.0	70.0
69.0	65.0	72.2	68.5	70.0
69.0	66.0	73.0	69.0	70.0
70.0	70.0	73.0	70.4	78.0

1. Enter these data in a new spreadsheet file.
2. Verify you have entered these data correctly by determining the N and mean (arithmetic average) of the test scores (as you did in Assignment 1) and checking with another student.
3. Create a histogram of these data. You will first need to plan the number of class intervals, the class interval width, and the apparent versus real limits.
4. Format the histogram so that it is of scientific presentation quality (labeling, colors, etc.).
5. Do a final save and submit your work.

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The following textbook contains detailed instructions for using spreadsheets in an introductory statistics class:
Tagler, M. J. (2009). *Understanding basic statistics with spreadsheets*. New York, NY: Pearson Custom.