

Statistics Assignments Using Excel® Assignment #3: Measures of Central Tendency

Final exam scores from two different biology classes:

<u>Class A</u>	<u>Class B</u>
91	72
89	80
87	72
75	70
86	77
77	64
85	100
92	69
84	83
77	93
79	98
66	73
90	65
84	99
81	84
72	82
92	78
75	68
81	81
79	74

- 1) Compute the mean, median, and mode exam score for each class using Excel® spreadsheet functions (AVERAGE, MEDIAN, MODE).
- 2) Double-check your answers using some other technique (e.g., creating your own formula for the mean, using scratch paper to double check the median and mode).
- 3) Insert a textbox into your spreadsheet, responding to the following questions:
Which class did better? How do you know?
Are the data skewed? How so? How do you know?
Did you double-check your answers and notice anything peculiar? Explain.
- 4) Do a final save and submit your work.

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Microsoft Excel is a trademark of the Microsoft group of companies.

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.