

Measures of the Middle

Assignment: Heiman, Chapter 4

Terms you should know.

- * Mean
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- Median
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- Mode
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- * Deviation Score
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Formulas and Symbols You Should Know

- M_o
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- $M_d n$
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- P_{50}
.....
.....
- * \bar{X} or M
.....
.....
- $\frac{\sum X}{N}$
.....
.....
- * $X - \bar{X}$
.....
.....

Homework #4: Calculations You Should Master

Name: _____ (This is my work, and my work alone.)

The following data were collected from a history test. Enter these data in SPSS. Be sure to attach and label your printout.

50	40	55	57	59	42	44	51	44
39	36	42	31	52	50	40	50	43
39	35	48	57	49	57	60	40	55
51	50	40	37	42	52	62	37	50

1. What is N?
2. What is the mode?
3. What is the median?
4. Suppose that we added 3 points to each of the scores.
 - a. What would the new median be?
 - b. What would the new mean be?
 - c. What would the new mode be?
5. What is wrong with the following?
 - a. A distribution with a Mean of 60 a Median of 70 and a Mode of 40.
 - b. $\Sigma(X - \bar{X}) = -7$