

Use the data from Exercise 1 (Dr Right's statistics class).

72 91 65 82 85 84 84 94 87 85 85 82
79 75 83

1. Calculate the following statistics (Attach work sheet)

Mean _____ Median _____ Mode _____

Range _____ S^2 _____ S _____

2. Suppose Dr. Right decided to give 2 extra points to a student who scored 94 due to a scoring error. Which of the six measures above would change? (Try to answer this without calculation.)

3. Based on the central tendency measures above, what can you say about the shape of distribution?

4. Dr. Right gave the same test to his other section (Section II, $n = 10$). For Section II, the mean was 81.5 and the standard deviation was 12.8. What can you say about Section II in comparison to his first section (i.e., data from Exercise 1)?

5. Compute the effect size for the mean differences of Dr. Right's two sections. How do you interpret the size of the effect size? (Hint: $S_p = 9.39565$)