

Giselle Swann

EDG500

Chapter 5: Step by Step

GGraph

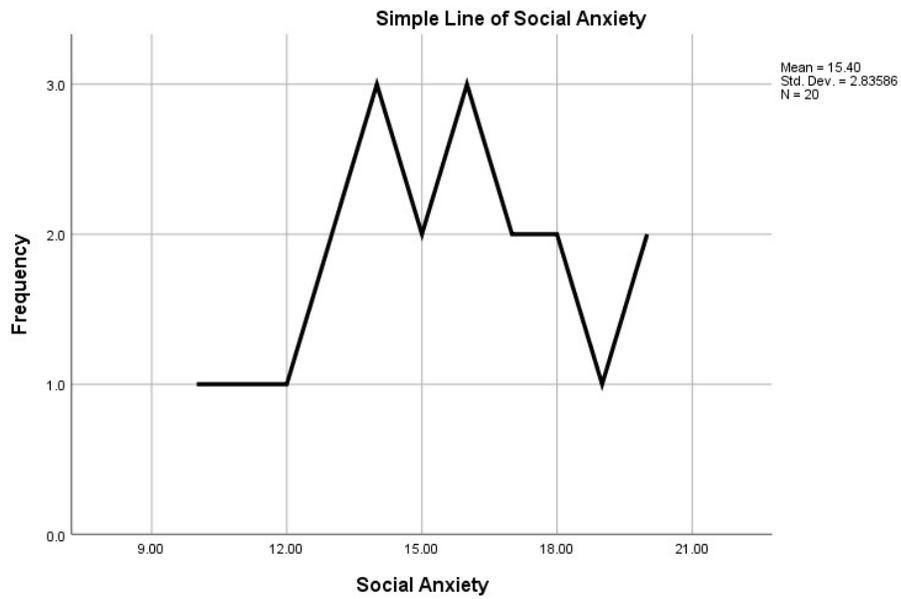


Figure 5.7. Frequency Polygon (SPSS Statistics format).

Chapter 5: Exercises

GGraph

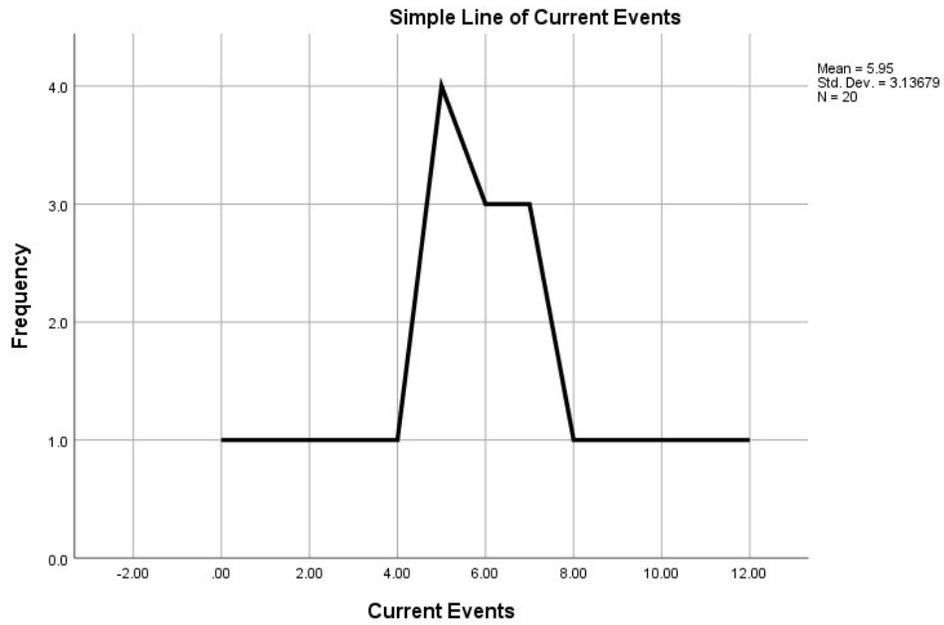


Figure 5.8. Frequency Polygon (SPSS Statistics format).

GGraph

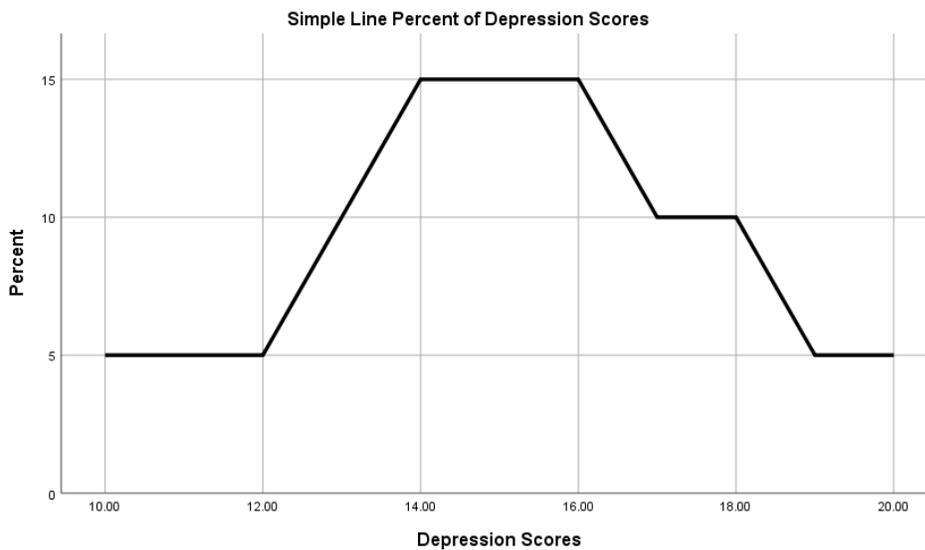


Figure 5.9. Polygon showing percentages for Depression scores.

Chapter 6: Exercise

- a. What is the mean for **Hours Using Internet**? 5.7500
- b. What is the median for **Hours Using Internet**? 2.5000
- c. Would you report the mean, the median, or both the mean and the median in a research report for **Hours Using Internet**? Both, Mean and the Median
Explain: The distribution is highly skewed.
- d. Write a statement that presents one or both of the averages for **Hours Using Internet**:
The distribution of hours using internet is highly skewed, with only 3 of the 20 students reporting they used the internet 22 hours or more. The median number of hours using the internet was approximately 2 hours ($Mdn = 2.50$). Because the distribution is highly skewed to the right, the mean ($M = 5.75$) is higher than the median.
- e. What is the mean for **Attitude Toward Internet**? 5.4000
- f. What is the median for **Attitude Toward Internet**? 5.5000
- g. Would you report the mean, the median, or both the mean and median in a research report for **Attitude Toward Internet**? Mean
Explain: The distribution is not highly skewed, so the mean is the preferred statistic for describing the average.
- h. Write a statement that presents one or both averages for **Attitude Toward Internet**:
Attitude Toward Internet for 20 students was measured on a self-report scale with possible scores from 0 to 10. The mean score was 5.40.