

ICME Intro to Stats Summer Workshop

Section 1 Exercises

2023-07-14

1. Answer the following questions related to this diagram:

The dot plot shows the number of public holidays in some countries. Each dot represents 1 country.

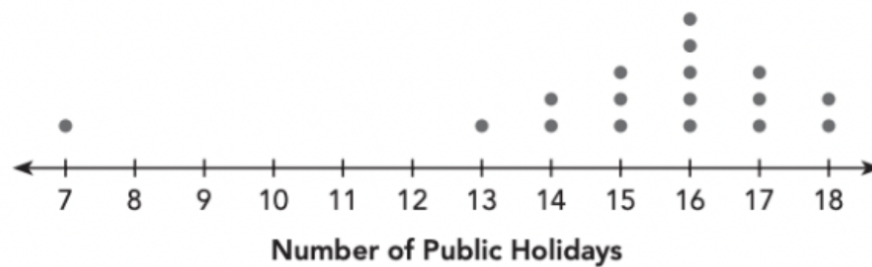


Figure 1: dot-plot

- Find the mean/median/mode of the data?
- Why is the mean less than the median?
- Which measure—mean or median—best describes this data set? Why?
- How can you relate this measure (from part c) to the distribution of the data?

2. If you were to add 5 to each value in a data set, what effect would this have on the...

- Mean of the data set?

(b) Median of the data set?

(c) Standard deviation of the data set?