Points: 50 points

Suppose that the data for analysis includes the attribute **age**. The age values for the data tuples are 13, 15, 16, 16, 19, 20, 20, 21, 22, 22, 25, 25, 25, 25, 30, 33, 33, 35, 35, 35, 35, 36, 40, 45, 46, 52, 70.

1. What is the mean and median of the data?
2. What is the mode of the data? Comment on the data's modality (bimodal, trimodal, etc.)
3. Roughly find the first quartile and the third quartile.
4. Give the five-number summary of the data.
5. Show the boxplot of the data.