

Quiz 1

Student's Full Name and Number:

Question: Suppose that you have the following observations for variable X.

6 21 29 31 34 35 38 44 52 70
7 21 29 31 34 35 38 44 54 72
8 22 30 31 34 35 39 45 55 75
10 25 30 32 34 35 39 45 58 76
11 25 30 32 34 35 39 45 62 80
12 26 30 32 34 35 40 46 63 83
16 26 30 33 34 35 43 48 63 88
19 28 31 33 34 36 44 50 69 88
20 29 31 33 34 37 44 51 70 98
20 29 31 34 35 37 44 51 70 99

- Use the data to construct a histogram with 10 intervals.
- Calculate cumulative frequencies and draw an ogive.
- What is the median value?
- Guess: Is the mean value greater than or less than the median? Explain why. (You do not have to calculate the mean value.)