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MATH 1342

Quiz 2.3

A group of freshman are surveyed on their age, to the nearest tenth of a year, as of the first day of the fall semester. Here are the responses to the survey:

18.8, 18.5, 18.7, 18.3, 18.4, 18.5, 18.3, 18.2, 18.4, 18.1, 18.4, 18.0, 18.3, 19.1, 18.1, 18.1, 18.5, 18.1, 18.6, 18.8, 18.1, 18.3, 18.4, 18.6, 18.9, 18.8, 18.0, 16.8, 18.1, 18.2.

(1) Complete the frequency chart for this data.

| | | | | | | | | | | | | |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| <i>Age :</i> | 16.8 | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.8 | 18.9 | 19.1 |
| <i>freq. :</i> | | | | | | | | | | | | |

How many data points are there (what is n)?

(2) Calculate the sample mean for this data set (\bar{x}), the sample median for this data set (M) and the mode for this data set.

(3) Is this data set symmetric, or skewed right, or skewed left?