

King Fahd University of Petroleum & Minerals  
Department of Mathematics & Statistics  
STAT-211-Term162

## Quiz #2

Name:

ID:

Serial:

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A traffic inspector has counted the number of automobiles passing a certain point in 30 successive 20-minute time periods. The observations are listed below

5	6	10	11	12	14	15	16	16	17
17	18	18	18	19	19	19	20	20	20
21	22	22	23	23	24	25	26	30	35

1. Calculate the mean, the median, the mode and the standard deviation, comment on the shape
2. Do these data contain an outlier? Explain
3. Which is the better measure of center for these data, the mean or the median? Explain.
4. Prepare a frequency distribution.

5. Construct The Box plot. Comment on variability of the data set.