

King Fahd University of Petroleum & Minerals
Department of Mathematics & Statistics
STAT-201-Term181
Quiz #1-30/9/2018

Name:

ID:

Serial:

Suppose the Human Resource Department of a particular company trains its employees to use a specific statistical software package. A random sample of trainees have turned the following number of errors committed by the trainees in recent weeks.

0	2	5	6	11	12	15	18	18	19
20	21	22	23	25	26	26	27	28	29
31	32	32	32	33	35	35	38	39	40
41	43	43	45	46	47	48	50	55	58

- Compute the mean, the median, the mode, and the standard deviation. Comment on the shape.
- Starting from 0, construct a grouped frequency distribution for the data with exactly 6 classes.
- Construct a relative frequency histogram for these data. Comment on the shape.
- Which is the better measure of center for these data, the mean or the median? Explain.
- Construct a Box plot. Comment on variability of the data set