

Exam #1 Review

A medical research team studied the Intracranial Pressure (ICP) of 50 patients who suffered from a head injury. The data below has been rounded off for simplicity.

3	4	4	5	8	11	12	13	14	15
16	17	18	18	18	20	20	21	22	23
23	23	23	23	23	24	26	26	27	27
27	28	29	30	31	33	35	36	37	38
39	40	40	43	46	47	48	50	52	54

1. Construct a frequency distribution for the ICP measurements. Use 6 classes beginning with a lower class limit of 0.
2. Construct a histogram of ICP. Is the distribution symmetric or skewed? If skewed, is it skewed to the left or to the right?
3. Calculate the mean and median of ICP. Compare the measures of center and comment.
4. Calculate the range and standard deviation of ICP.
5. Calculate the interval of ICP measurements that are 2 standard deviations from the mean.
6. Identify any outliers and calculate their z-score.