Week 4. STAT1020 Discussion section – Issac Lee

1. Draw histogram for given three data sets;
   a. 1, 2, 3, 3, 1, 2, 4, 5, 5, 4
   b. 1, 2, 2, 3, 3, 3, 4, 4, 5
   c. 1, 1, 1, 2, 2, 3, 4, 4, 5, 5, 5

   Compare the standard deviation for the above three data set.

2. Draw a box plot

   Example Data set: 1, 2, 3, 4, 5, 20

   a. Your Data set: 3, 4, 5, 8, 8, 5, 6, 7, 7, 8, 12, 4, 5, 29
   b. Would you describe this distribution as symmetric or skewed? Explain.
   c. Are there any outliers? Explain.
   d. Create a boxplot of this data.

3. Conditional distribution

		Politics			
		L	M	C	Total
Sex	Female	35	36	6	77
	Male	50	44	21	115
	Total	85	80	27	192

   a. Find the conditional distributions of political views for the females and males.
   b. Make graphical display that compares the two distributions. Do the variables politics and sex appear to be independent?