# Assignment Day 3

1) In the Excel file Facebook Survey, find the average and median hours online/week and number of friends in the sample using the appropriate functions. Compute midrange and compare all measures of location.
2) For the Excel file Tablet Computer Sales, find average number, standard deviation, and inter quartile range of units sold per week. Show that Chebyshev's theorem holds for the data and determine how accurate the empirical rules are.
3) Compute Descriptive Statistics for Liberal Arts College and Research Universities in the Excel file College and Universities. Compare the two types of colleges. What can you conclude?
4) In the Excel file Bicycle Inventory, find the proportion of bicycles that sell for less than $200.
5) In the Excel file Call Centre Data, how strongly length of service correlated with starting age?
6) Compute the z-scores for the data in the Excel file Airport Service Times. How many observations fall farther than three standard deviations from the mean? Would you consider these as outliers? Why or why not?