Application 2:

For this application we will use data from the Historic Titanic voyage. The data set is called Titanic.xlsx.

1. How many passengers are in the data set?
2. How many passengers were male?
3. How many passengers were male and older than the age of 25?
4. What is the average fare that a female passenger paid?
5. What is the average fare of passengers that embarked in Queenstown or Southhampton?
6. Create a dummy variable for female.
7. Create a group of three dummy variables for each passenger class, call them class1, class2, class3.
8. Run a crosstab to show that you have created these categorical dummies correctly.
9. Create a new variable that instead of just S, C, and Q, the outcomes have the full name of the city where the passenger embarked.

Review

1. Who was more likely to survive, males or females? Explain.
2. Are survival rates the same between those that are old (older than 35) than those that were young (35 years or younger)? Explain.