**Analysis Planning Worksheet**

**Evaluation Question**

How did survival differ among the passengers aboard the Titanic based on: gender, age, and socio-economic status?

**Independent Variable(s)**

These variable(s) are causing something or creating an effect. List what each is and whether it is categorical or continuous. It is ok to only have one.

**Variable**

Name

Categorical: # of levels \_\_\_\_\_ □ Continuous

Age

□ Categorical: # of levels \_\_\_\_\_ □ Continuous

Sex

□ Categorical: # of levels \_\_2\_\_\_ □ Continuous

Pclass (Passenger Class level)

□ Categorical: # of levels \_\_3\_\_\_ □ Continuous

SibSp (Number of Siblings/Spouses Aboard)

Categorical: # of levels \_\_\_\_\_ □ Continuous

Parch (Number of Parents/Children Aboard)

Categorical: # of levels \_\_\_\_\_ □ Continuous

Ticket Number

Categorical: # of levels \_\_\_\_\_ □ Continuous

Fare

Categorical: # of levels \_\_\_\_\_ □ Continuous

Categorical: # of levels \_\_\_\_\_ □ Continuous

Embarked

**Dependent Variable(s)**

These variable(s) are influenced by your independent variable and *depend* on them. List what each is and whether it is categorical or continuous. Unless they are related, you should have only one.

**Variable**

Survival

□ Categorical: # of levels \_\_2\_\_ □ Continuous

Categorical: # of levels \_\_\_\_\_ □ Continuous

Categorical: # of levels \_\_\_\_\_ □ Continuous

Categorical: # of levels \_\_\_\_\_ □ Continuous

Now that you know the type and number of independent and dependent variables, you are ready to use the analysis flow charts to choose your analysis!

**Analysis:**

**Independent Chi-Square**