**Analysis Planning Worksheet**

**Evaluation Question**

1. Does a movies budget correlate with how well it does in the box office? How much the movie makes as well as ratings.
2. Does a movies genre correlate with how much money the movie makes?

**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**

Gross profit, how much money the movie generated.

□ Categorical: # of levels \_1\_\_\_\_ □ Continuous

**Variable**

Budget Recovered, how much how much money the movie generated after subtracting the budget.

□ Categorical : # of levels \_\_\_\_1\_ □ Continuous

**Variable**

Movie rating, how well audiences rated the movie on a scale 1-10

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

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**

Movie Budget, how much was spent on making the movie.

□ Categorical: # of levels \_\_\_1\_\_ □ Continuous

**Variable**

Movie Genre, which type of movie is it.

□ Categorical: # of levels \_\_7+\_\_\_ □ 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:**

Stepwise Multinomial Logistic Regression, Stepwise multiple linear regression, Spearman Rank Correlation, Pearson Correlation & Cluster Analysis