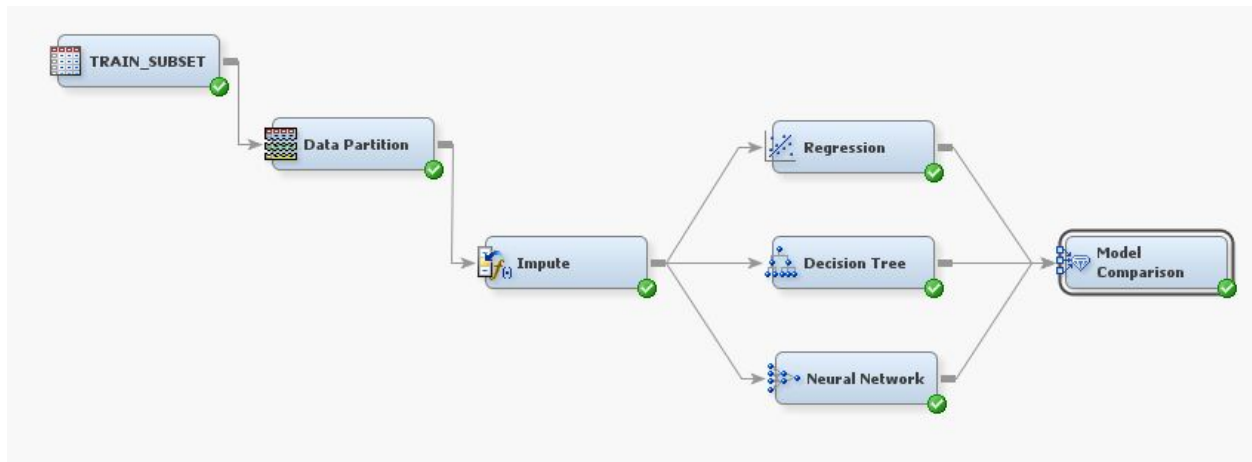


### Data Mining Assignment 3



- Step 1: Data Partition. Data was partitioned with 40% Training, 30% Validation, and 30% Test.
- Step 2: Impute. Missing values were imputed via “Count”
- Step 3: Create and run models. In addition to the Regression model from the previous exercise, we have also run a Decision Tree model and a Neural Network model.
- Step 4: Model Comparison tool was used to understand model performance of each model.

There were 57,364 observations in the test set. The Test AUC for each model is shown in the following table and screen shot:

Model	Test AUC
Neural Network	0.601
Decision Tree	0.591
Regression	0.59

