1. RegressIt Excel Plugin for Logistic Regression - {A fantastic tool for doing LR analysis}:

<https://regressit.com/regressitlogistic.html>

1. Logistic\_Regression of Renewal\_Existing attributes:
   1. Excel Sheet\_1
   2. Excel Sheet \_2

Model Summary sheet gives p-values for all the features used in the logistic regression model. These can also be used for feature selection after the first model has been trained

1. Univariate Feature Selection using F-test scores
   1. <https://scikit-learn.org/stable/auto_examples/feature_selection/plot_feature_selection.html#sphx-glr-auto-examples-feature-selection-plot-feature-selection-py>
   2. The illustrative example makes use of f\_classif (ANOVA F-value between label/feature) for selecting features but you can also use of mutual\_info\_classif (Mutual information between label/feature)
   3. any of these feature selection methods can be used in your current pipeline. Please go through the example for details
2. Variance based feature selection and other methods
   1. <https://scikit-learn.org/stable/modules/feature_selection.html>ter