# The New York Lottery Winning Number Predictions:

Goal of the project was to learn and explore statistical analysis machine learning using R programming language and moving a step towards professional R machine learning.

\* Organization: The New York Lottery

\* Time Period Beginning: 6/16/2014

\* Posting Frequency: Twice Weekly

\* Dataset Owner: New york state gaming commission

\* Dataset Columns:

\* X0: 1st Winning Number

\* X1: 2nd Winning Number

\* X2: 3rd Winning Number

\* X3: 4th Winning Number

\* X4: 5th Winning Number

\* Cash Ball: Cash Ball

* Performed feature engineering on dataset
* Splitted in Train & Test split
* Performed data transformation on dataset
* Selected generalized linear model as logistic regression for classification.
* Trained logistic regression on Train set
* Predicted Test set on trained model and achieved 29% Accuracy results.