# **Description**

To begin this exploratory analysis, first import libraries and define functions to plot data using matplotlib. Ggplot and seaborn. Seaborn is a library in Python predominantly used for making statistical graphics. In the provided analysis, we will focus only on the data set out below.

* Training Features
* Training Labels
* Test Features
* Submission Features

To begin the analysis, we need to remove the garbage and null values from data to get the actual approximate results. For this purpose we apply different methods of python to remove null values and get the actual data type. After performing all necessary processing on data we make train\_test data so that we can analyze the features of given data. In this analysis we find out the how different people get seasonal and H1N1 vaccine with the help of ggplot. We also check the age-wise count of people who got vaccination, also check the count of poverty-wise data, education-wise that how different age grouo affected by the flu either seasonal or H1N1. We also check the training features in provided data.

Graphs have a stronger correlation with the seasonal vaccine, but much less h1n1\_vaccine so far. We see a particularly strong correlation with age\_group with seasonal vaccine, but not with h1n1\_vaccine. In final we find Mean and Median of seasonal and H1N1 vaccine which will proves that in seasonal flu, people act appropriately by the fact that people are more affected and the risk of flu-related complications is higher with age.