

## Report for gaussian naïve bayes

In the first cell, I only read the data from text file using `pd.read_csv('file name')`

In the second cell, I divided data into X and Y, X is the first two input features, and the y are labels.

In the third cell, I created for loop with two loops first loop will plot the data with label 1 blue and the second loop will plot the data with label -1 in orange color, I used `plt.scatter(X, y)`

In the fourth cell, I created a gaussian naïve bayes model using `sklearn.naive_bayes.GaussianNB()`

In the fifth cell, I plotted decision boundary using `plot_decision_regions(X, y, model)`, it will draw decision boundary in nicely formatted way.

In the rest of the cells, I did all the previous steps except for `binclassv2.txt` data.