I first created dataset using np.random.multivariate\_normal method three times for each class. It takes 3 arguments, mean of data, covariance matrix, and number of data. Then I stack the points in X matrix, the results in Y vector. Then plot the points in graphic using matploblib. The by using the formulas on multivariate classification slides I created my estimation means, covariances and class priors. Then by using same points and estimated means and covariances, I calculated each points score-function for each class and took the highest one. As result I got estimation label data. Then using pandas library, I created the confusion matrix. Finally, I had points, estimated means and covariances and estimation labels, I plotted each points on a graph again and put the mislabeled points in circle. And by calculating score functions of 2500 serial points on the graph and contouring the points which has 2 maximum score-functions I got my decision boundaries.