TEAM NAME: Team Xu

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Generative Model: We choose Kmeans. The corresponding file name that

contains the function is: k_means_predict_labels.m

Discriminative Model: We choose Linear Regression. The corresponding file

name that contains the function is:

lr_predict_labels.m

Instance Based Model: We choose KNN. The corresponding file name that

contains the function is: knn predict labels.m

Innovative Model: We choose Ensemble Method. The corresponding file name

that contains the function is: ensemble_predict_labels.m

All four functions methods above take same input parameters:

train_inputs train_labels test_inputs

To run and see the result of all methods, simply run file "main.m"

The order of the test result error is in following order:

Linear Regression, Kmeans, KNN, Ensemble

To see result for specific method, comment out other three and run main.m