Pattern recognition and machine learning competition task 1 report for team #2

## Training and testing locally

The classifier results with the training data are presented below:

|  |  |
| --- | --- |
| Classifier | % |
| LDA | 0.7673382064539134 |
| SVM | 0.7798181494027456 |
| SVM\_RBF (kernel='rbf', gamma='scale') | 0.7867712604742378 |
| LogReg | 0.7614548047780353 |
| RFC (n\_estimators=100, max\_depth=100) | 0.664646104474951 |

Based on the classifier results it was decided to submit to Kaggle with the SVM\_RBF model. It should be noted that we tried different parameters for the models to pump up the % score up from the results given by default parameters.

## Submission to Kaggle platform

Submitting the csv file from our SVM\_RBF predictions resulted in a Kaggle score of 0.75927

The score given by Kaggle differs from our local experimentation by ~3%