Rensselaer

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Lab 5: Support Vector Machines

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Tetherless World Constellation
Rensselaer Polytechnic Institute

Lab 5

Dataset:
https://rpi.box.com/s/76tfin2br8gl1nooubt47ymg72zw47l3

Support Vector Machine Classification

Using the wine dataset:

- Train 2 SVM classifiers to predict the type of wine using a subset of the other 13 variables. You may choose the subset based on previous analysis. One using a linear kernel and another of your choice.
    - Use tune.svm to find the optimum C and gamma values.
- Choose another classification method (kNN, Random Forest, etc.) and train a classifier based on the same features.
- Compare the performance of the 2 models (Precision, Recall, F1)

Please push to your github repository:

1. All your code in a *.R or *.MD file
2. Model outputs in a txt, pdf, docx, etc.

Thanks!