

Machine Learning COS6026-B

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11th Lab Session: SVM in Python

For this week we will implement the SVM tutorial from:

<https://www.datacamp.com/community/tutorials/svm-classification-scikit-learn-python>

Your Tasks:

1. Load the Breast Cancer Dataset from scikit
2. Explore the data
3. Split the data into training and testing sets
4. Construct the SVM model using linear kernels
5. Evaluate the SVM model
6. Re-construct the SVM model using other kernels (polynomial, RBF, etc)