NYCU Introduction to Machine Learning, Homework 4

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1 Part. 1, Coding

1.1 Support Vector Machine

1. Show the accuracy score of the testing data using `linear_kernel`. Your accuracy score should be higher than 0.8.

2. Tune the hyperparameters of the `polynomial_kernel`. Show the accuracy score of the testing data using `polynomial_kernel` and the hyperparameters you used.

3. Tune the hyperparameters of the `rbf_kernel`. Show the accuracy score of the testing data using `rbf_kernel` and the hyperparameters you used.

2 Part. 2, Questions