Indian Institute of Technology Madras

ID5055 Foundations of Machine learning

Tutorial IV

Due date: 8.00 pm, September 22, 2023

Instruction

1. Assignment shall be submitted on the due date. Late submissions will not be entertained. If you cannot submit the assignment due to some reasons, please contact the instructor by email.

2. All the assignments must be the student's own work. The students are encouraged to collaborate or consult friends. In the case of collaborative work, please write every student's name on the submitted solution.

3. If you find the solution in the book or article or on the website, please indicate the reference in the solutions.

Problems

1. Run linear, non-linear, lasso, ridge regression on the given cosine data. Report your observations.

2. Find the minimum value of num_poly_features such that the model fits properly.