

# Indian Institute of Technology Madras

ID5055 Foundations of Machine learning

Tutorial II

Due date: 7.00 pm, August 31, 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. Use the dataset provided that has latitude and longitude information of the houses. Try different values of  $k$  within the interval  $[2, 7]$  and identify the best  $k$ .