

Regression task

Given “26.8.2023 afternoon” data, implement

- a neural network-based model
- a linear regression technique

to predict the future speed. Considering 5s speed data (past) as labels to predict 1s speed (future). Consider 80%-20% train-test split. Find both training and testing loss. For testing use “27.8.2023 afternoon” data.

Specifications of “26.8.2023 and 27.8.2023 afternoon” data

- Speed collection along same route and same time but on different days
- Speed in Km/Hr