

Learning to Estimate Travel Time for Intelligent Transport Systems using online Machine Learning Algorithms

Project Overview:

Vehicle travel time estimation or estimated time of arrival (ETA) is one of the most important location-based services (LBS). It is becoming increasingly important and has been widely used as a basic service in navigation systems and intelligent transportation systems.

Online machine learning is a method of machine learning in which data becomes available in a sequential order and used to update our best predictor for future data at each step. The fact that the dataset is always varying in size within time arise to the need of online machine learning. Online Machine-learning algorithms adapt to train models continuously as soon as new data is available.

The main aim of the proposed project is to apply online machine learning algorithms to predict the vehicle travel time.

Eligible Departments:

Electronics	X
Communications	-
Networking	X

Software/Hardware:

- C programming language
- IBM Watson