CSE523: Machine Learning

Weekly Report 3

Group - 9

Group Name - Logistic Legends

Mentor - Prof. Mehul Raval

Group Details:

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Identify Abnormal driving behavior using Spatio-Temporal analysis

- This week we mainly worked on our presentation and thereafter we did Data Inspection and brainstormed on the idea of Accuracy and working on a large dataset.

Data Inspection:

- First, we did an inspection of the contents of each CSV file which was provided to us.
- This involves opening the notepad files and examining the data that was provided and based on that we labeled the files in 2 classes i.e normal and abnormal.
- Then we combined the files of all the folders and we labeled them and distributed that into a test and train set and then we tried that on our code.

Accuracy:

- Worked on code from the perspective of Confusion matrix and accuracy.

$$Accuracy = \frac{True\ positive(TP) + True\ Negative(TN)}{Total}$$

$where,$

$Total = (True\ positive + True\ Negative) + (False\ Positive + False\ Negative)$