CSE 541 Computer Vision

Progress Report:

Distracted Driver Detection

Group Details:

Abraca-data

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Tasks performed this week

- Learned about VGG network and blocks
- Implemented pre-trained VGG - 19 model on training dataset
- Analyzed the results with Resnet - 50

Outcomes of the task performed this week

- Learned how the parameter of the VGG model could be fine tuned to perform better
- Understand whether it is possible for us to construct a model to effective results and minimize computational requirement

Tasks to be performed in the upcoming week

- Learn about designing neural network and controlling complexities
- Changing few parameters for new model and adding/ removing layers

Important Links

- https://towardsdatascience.com/a-comprehensive-hands-on-guide-to-transfer-learning-with-real-world-applications-in-deep-learning-212bf3b2f27a
- https://towardsdatascience.com/illustrated-10-cnn-architectures-95d78ace614d
- https://cs231n.github.io/convolutional-networks/
- https://pytorch.org/tutorials/beginner/basics/intro.html