

Friday April 27- with Dr.Diggans (mentor)

Last week: consider other approaches like comparing the eigenvectors between a subset and the whole training set (maybe using cosine similarity) to see if this subset is representative of the training set so that we can employ it to do data efficient training on CNN models.

Dr.Diggans: figure out the reason why the grid approach is not working. This approach is not performing well because although we select the most representative (and most unrepresentative) subset from each class of the Cifar-10 dataset, their combination is not as representative (or that bad) as expected.

However, this approach makes much sense in theory, so it is worth trying this approach one more time or with slight modifications in later research.

Next week: consider other possible approaches to identify optimal training subset.