Information
Optical Recognition of Handwritten Digits dataset

-Successfully implemented svm classification algorithm obtained an accuracy of 97.88%.

-Used e1071 library to implement the algorithm

-Tried to use another kernlab library for implementing the same.

-Challenges faced: It took some time to understand the different parameters used in the e1071 and kernlab function.

- It took less time to create the model. Therefore, we haven't used high performance cluster for this dataset.

Amazon reviews sentiment analysis dataset

-We are not able to get good libraries which performs the sentiment score calculation of each review in the dataset.

-Since sentiment calculation in python is giving better results as compared to R, we are calculating the sentiment score by using **Vader Sentiment library.**

-Still the accuracy was not improving much in the case of amazon dataset by using SVM classification.

- Maximum accuracy obtained was 60.08%

- Challenging part: Misclassification was happening with reviews of rating 2,3,4. We haven't used High Performance cluster for this dataset also since it was working fine with laptop's memory.