R script was run in RStudio on an Intel i5 system with 8GB of RAM. The script can take about 3 hours to complete. If you have a weaker machine, the script can take longer.

Instructions:
- Unzip submission folder
- Open file "CFE ID 2.R" in Rstudio.
- We assume that you have train and test data sets(same as you gave to us), as well as your final test data set in the right directory.
- Check the train/test split at line 288, choose the split you want to use and uncomment the other before run all code. Of course you can use your own split. If you use less data to train, accuracy result may drop 1 or 2 %.
- The final solution code block starts at line 412, please update and load your final test file at line 462.
- Run file entire file as one. Not individual sections.
- If there is error, please check if you installed required library.