

4. (NEW) Did you do anything else that helped you to complete your analysis? You can add a **couple of sentences** here if you want to say what you did that is not covered by the questions above. Please don't write a page!!!

1. I set random seed as below to get same result over iterations.

```
set.seed(46685326, kind = "Mersenne-Twister")
```

2. I often scale the training and validation sets between 0 and 1 to have mean 0 and SD 1. I also rescale the data set based on the means and SDs to match the training set.
3. I converted the Y values' data type as factor with labeling c("A", "B", "C", "D", "E").