IV. kNN

Q. Carry out the experiments using a k‑‑‑Nearest Neighbor classifier. Choose 5 different values of k (3, 5, 7, 9, and 11) and carry out 10 experiments each using different samples of training and test data.

Please run file **q4_knn.R** using following command to find the desired output:
- Command : *rscript q4_knn.R*

Report results are as below:

```
Overall Average Accuracy is: 69.87013 % for kNN =  3
Overall Average Accuracy is: 70.90909 % for kNN =  5
Overall Average Accuracy is: 70.8658 % for kNN =  7
Overall Average Accuracy is: 70.90909 % for kNN =  9
Overall Average Accuracy is: 71.50649 % for kNN =  11
```