The "breast cancer dataset" in CANVAS was obtained from the University of Wisconsin Hospitals, Madison from Dr. William H. Wolberg. The features in the dataset, described below, have been categorized from 1 to 10.

Use the knn methodology (k=3,5 and 10) to develop a classification models for the Diagnosis.

Important: make sure your categories are represented by the "factor" data type in R and delete the rows with missing value. Use 30% test 70% training data.

Features	Domain
Sample code number F1. Clump Thickness F2. Uniformity of Cell Size F3. Uniformity of Cell Shape F4. Marginal Adhesion F5. Single Epithelial Cell Size F6. Bare Nuclei F7. Bland Chromatin	id number 1 - 10 1 - 10 1 - 10 1 - 10 1 - 10 1 - 10 1 - 10 1 - 10 1 - 10
F8. Normal Nucleoli F9. Mitoses Diagnosis Class:	1 - 10 1 - 10 1 - 10 (2 for benign, 4 for malignant)