

The "breast cancer dataset" (wisc\_bc ContinuousVar.csv) in CANVAS was obtained from the University of Wisconsin Hospitals, Madison from Dr. William H. Wolberg. The features in the dataset have been categorized.

## 8.1

Using hclust, categorize the "wisc\_bc ContinuousVar.csv" data into two (2) clusters based on. All the features except the diagnosis column. Tabulate the clustered rows against the "diagnosis" column. (Remove the rows with missing values first)

## 8.2

Using k-means, categorize the "wisc\_bc ContinuousVar.csv" data into two (2) clusters based on. All the features except the diagnosis column. Tabulate the clustered rows against the "diagnosis" column. (Remove the rows with missing values first)