Breast Cancer Wisconsin Prediction
(Supervised Machine Learning)

Problem Statement:

Breast cancer is a malignant cell growth in the breast. If left untreated, the cancer spreads to other areas of the body. Excluding skin cancer, breast cancer is the most common type of cancer in women in the United States, accounting for one of every three cancer diagnoses. Breast cancer ranks second among cancer deaths in women. This project aims at analyzing data of women residing in the state of Wisconsin, USA for to predict whether a case of breast cancer is malignant or benign.

Goal Statement:

The goal of this project is the application of several data mining and machine learning techniques to classify whether the tumor mass is benign or malignant in women residing in the state of Wisconsin, USA. This will help in understanding the important underlaying importance of attributes thereby helping in predicting the stage of breast cancer depending on the values of these attributes. Through the understanding of nature of attributes in cancer prediction, the healthcare community can perform additional research corresponding to these attributes to help prevent pervasion of breast cancer into the population of USA.

Scope for solution:

The scope of the project is confined only to prediction of breast cancer to be malignant or benign for the women of Wisconsin