**Breast cancer analysis**

# Introduction

The analysis is based upon Breast cancerdataset and the dataset contains 3 measures (mean, standard deviation, and worst) for 10 different cell features.

**Processure**

analysis is divided into 3 sections, saved in jupyter notebooks in this repository.

### 1.Identifying the problem and Getting data.

2.Pre-Processing the Data

3.Build model to predict whether Outcome is N or R

3.1 In this notebook, I construct a predictive model using a Logistic regression machine learning algorithm to predict the diagnosis of a breast tumor.The Outcome of a breast tumor is a binary variable (N or R).

4. Build model to predict exact recurrent time

4.1 In this , I construct a regression model (support vector regressor) to predict exact recurrent time of the patient which has outcome ‘R’.

**Result**

The classification model has an accuracy of 89%.

The dataset has very few data but as the data increases, the model Performance will also be increasing.