## DATASET DESCRIPTION

• In This Dataset we will talk about Breast Cancer.

Features are computed from a digitized image of a fine needle aspirate (FNA) of a breast mass. They describe characteristics of the cell nuclei present in the image. n the 3-dimensional space. This Dataset consists of 33 Attributes and 1000 Records. The Attributes of The Dataset Are (ID Number, diagnosis, Radius\_Mean, Texture\_Mean, Perimeter\_Radius, Area\_Mean, Smoothness\_Mean, Compactness\_Mean, Concavity \_Mean, Concave\_Points, Symmetry \_Mean, Fractal \_Dimension, Radius\_Se, Texture\_Se, Perimetere\_Se,

Area\_Se, Smoothness\_Se, Compactness\_Se,

Concavity\_Se, Concave\_Se, Symmetry\_Se, Fractal

\_Dimension, Radius\_Worst, Texture\_Worst,

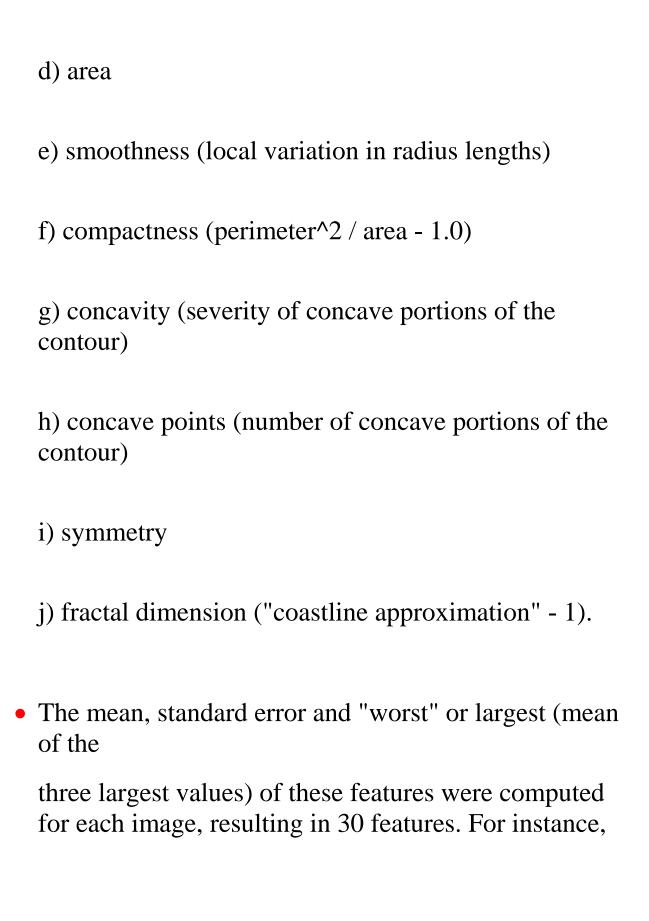
Perimeter\_Worst, Area\_Worst, Smoothness\_Worst,

Compactness\_Worst, Concavity\_Worst,

Concave\_Worst, Symmetry\_Worst,

Fractal\_Dimension\_Worst).

- Ten real-valued features are computed for each cell nucleus:
  - a) radius (mean of distances from center to points on the perimeter)
  - b)texture (standard deviation of gray-scale values)
  - c) perimeter



field 3 is Mean Radius, field 13 is Radius SE, field 23 is Worst Radius.

- All feature values are recoded with four significant digits.
- Missing attribute values: none
- Class distribution of diagnosis: 357 benign, 212 malignant

- Who create This Dataset: Dr. William H. Wolberg.
- WE Get This Dataset From Kaggle Website.