A proposed FML project by: Duke Appiah

**Project Title: Breast cancer tumor classification**

Developing and training a machine leaning model that can classify whether breast cancer tumor is Malignant or Belign.

According to the World Health Organization and World Cancer Statistics, breast cancer is the most common cancer among women and one of the most important causes of death among them. But a major challenge is the accurate diagnosis of breast cancer tumor being a malignant or belign

**Data Set to be used.**

Breast cancer data set from University of Wisconsin (Clinical Sciences Center) which was donated to the University of California, Irvine (UCI)

What you want to predict: Malignant cancer and Belign cancer

**Preferred variables for classification**

In order to measure accuracy in my classification model, I will consider using these variables:

radius   
texture  
perimeter  
area  
smoothness  
compactness  
concavity  
concave points  
symmetry  
fractal dimension