Breast cancer detection through classification algorithms and compare, analyses output result of each algorithms based on their accuracy level

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Objectives

In this project, we would predict patient breast cancer status (affected or not affected) by applying a machine learning approach. We will apply some classification algorithms on our data set and will analyze the output result of each algorithm. At first, we prepare our data set by applying data preprocessing rules then when the data set will compatible, we input it our machine learning model. After that, we will analyze and compare each algorithm output result based on their accuracy level.

Motivation

Breast Cancer is the most common cancer among women, every year a large number of women have to suffer badly for the late identification of these diseases. As the machine learning approach has partly used all sectors in our life and it makes our life easier, on that aspect hopefully we can get a better way to treat that problem (Breast Cancer) by applying the machine learning approach. We hope the matching approach effectively much better to identify breast cancer than the traditional way and it should be much reliable. In this aspect, we choose this project.

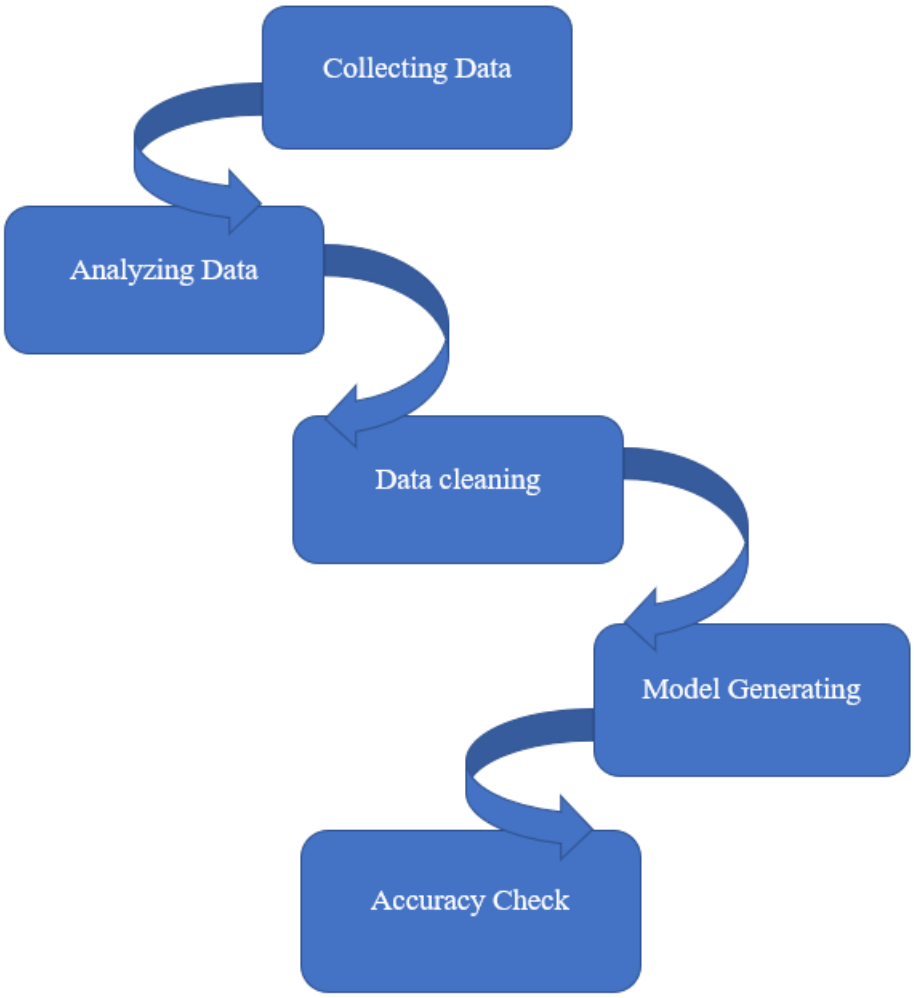

Figure 1: Block Diagram