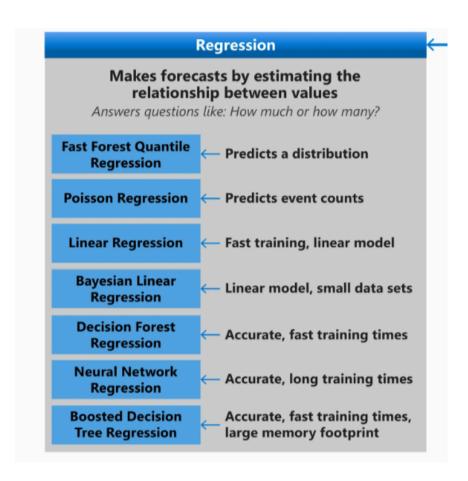


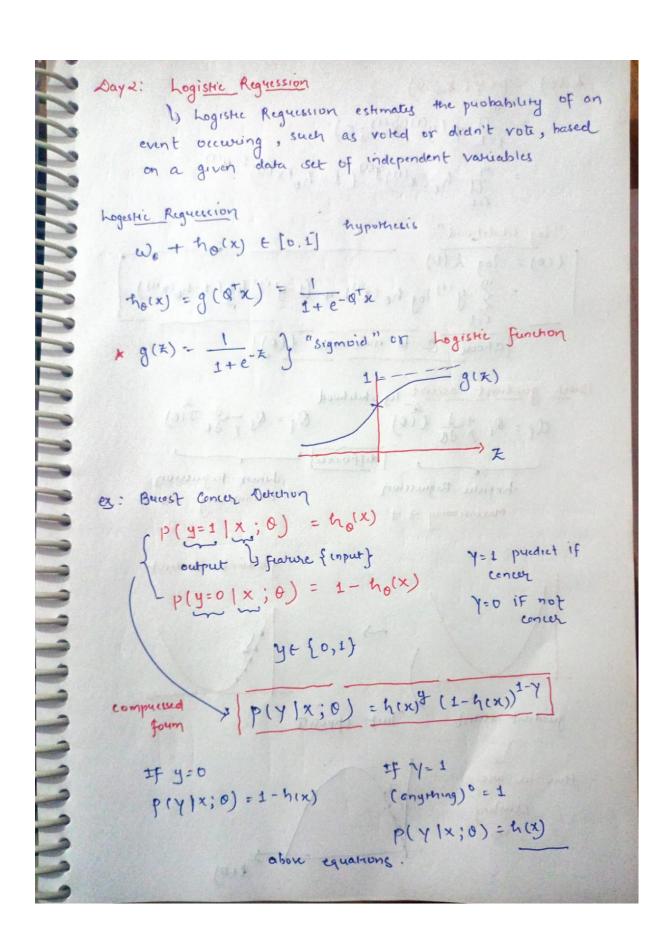
Logistic Regression

Logistic regression is a statistical method used to predict the probability of a certain event happening, like whether something is true or false, yes or no, or 0 or 1. It is commonly used in machine learning to classify things into two categories, such as determining if an email is spam or not, or if a tumor is cancerous or benign.

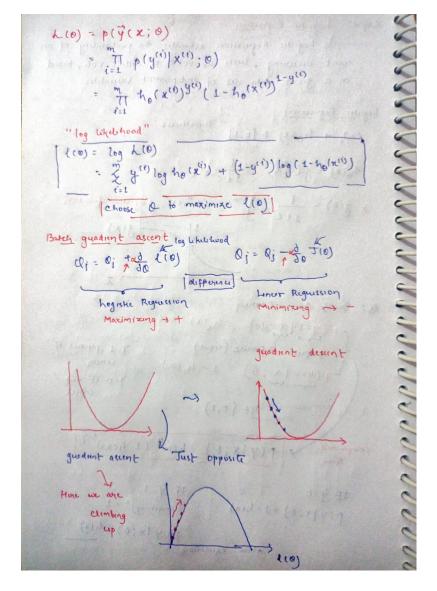
Logistic regression is more suited for binary classification problems, offers meaningful probability estimates, and is more robust against issues like outliers and improper outputs (outside 0-1 range) compared to linear regression.

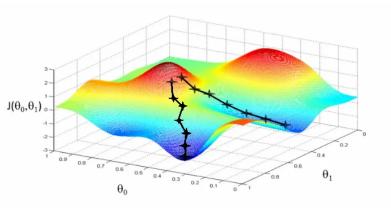


Logistic Regression 1



Logistic Regression 2





In this we're using Gradient ascent . In which we take baby steps to reach top from bottom

Logistic Regression 3