**Objective:** Logistic Regression, maximum likelihood estimation, difference between logistic and linear regression

Logistic Regression:

1. [Activation Function](https://www.javatpoint.com/activation-functions-in-neural-networks) (Read only Definition, Linear and Non-linear Activation Functions)
2. [Introduction](https://towardsdatascience.com/introduction-to-logistic-regression-66248243c148)
3. [Mathematical ideas required for logistic regression](https://towardsai.net/p/machine-learning/logistic-regression-with-mathematics#:~:text=Cross%2Dentropy%20is%20commonly%20used,is%20used%20in%20Logistic%20Regression.&text=It%20is%20also%20called%20a%20log%2Dlikelihood%20function):
4. [Need for MLE and parameter estimation](https://towardsdatascience.com/quick-and-easy-explanation-of-logistics-regression-709df5cc3f1e) (Before confusion matrix)

Maximum Likelihood Estimation

1. [As a probability theory concept](https://www.probabilitycourse.com/chapter8/8_2_3_max_likelihood_estimation.php)
2. [Relevance in machine learning](https://machinelearningmastery.com/what-is-maximum-likelihood-estimation-in-machine-learning/)

Difference between Linear and Logistic Regression:

1. [Linear vs Logistic Regression](https://www.javatpoint.com/linear-regression-vs-logistic-regression-in-machine-learning)

**Additional Material:**

1. [Implementation](https://medium.com/machine-learning-with-python/logistic-regression-implementation-in-python-74321fafa95c)