

Introduction Logistic Regression Basics

Precondition

Before start check out:

You have read and understood

- Linear Regression
- Classification

If not look it up later.

The mission

In this lesson we will:

Introduce the concepts of Logistic Regression

Discuss probability and cost function

See a real example

Introduce Softmax Regression

Outcome

After this lesson you have learned about:

Logistic concepts

Probability

Sigmoid the logistic function

Cost function

Multinomial Logistic Regression (Softmax)

Iris example in SciKit

Next step

Its time for some assignments:

Discuss and answer theoretical questions in the assignment "*Logistic Regression Questions*"

Solve the "*Iris exercise*"