

Introduction Unsupervised Learning

Precondition

Before start check out:

You have read and understood

- Linear regression
- Classification
- Iris case

If not look it up later.

The mission

In this lesson we will:

Introduce the concepts of Unsupervised Learning

Discuss the clustering

Introduce various algorithms

Real examples

Outcome

After this lesson you have learned about:

Unsupervised Learning concepts

Idea of clustering

K-Means

Centroid Initialization

Use of clustering on

- Anomaly detection
- Image segmentation
- Preprocessing
- Semisupervised learning
- DBSCAN

Worked with a Case

Last step

Its time for some assignments:

Discuss and answer theoretical questions in the assignment “*UL Questions*“

Solve the “*Unsupervised Learning Questions*”