## **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
* Prepocessing
* 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”*