## **Introduction Training Models**

*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 Training Models

Linear models

Look at a real example

Learning curves of regression

*Outcome*

After this lesson you have learned about:

Different Training Models

Gradient Descent  
 Bacth and Mini-batch Gradient Descent

Stochastic Gradient Descent

Regularized Ridge vs. Lasso

Early stopping

*Next step*

Its time for some assignments:

Discuss and answer theoretical questions in the assignment *“Training Models Questions“*

Solve the*”X exercise”, if any*

***Next time is about Logistic Regression***