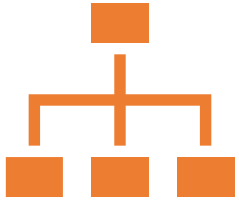# Introduction to DS Course

Course Objectives

Classification
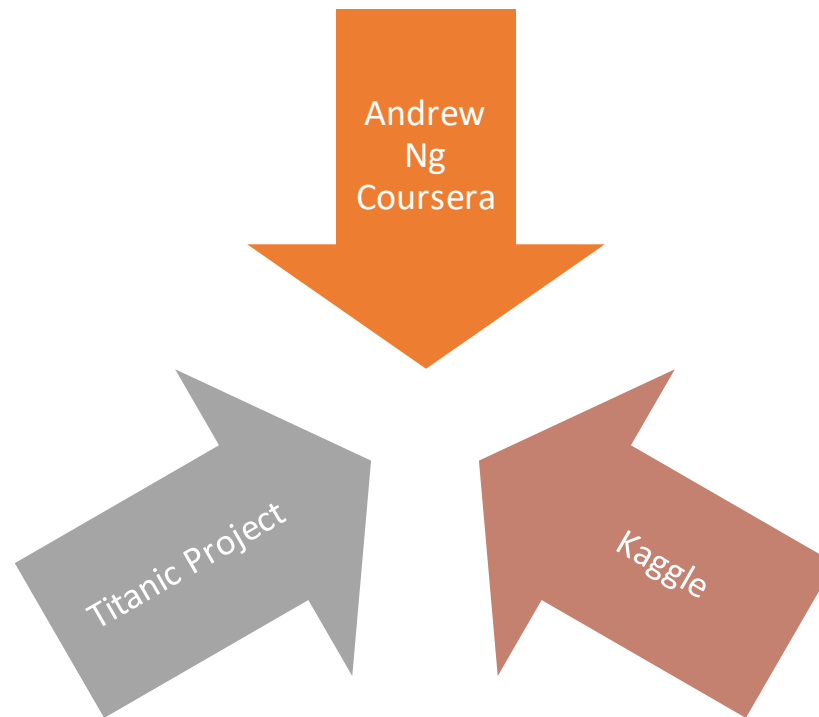
Cluster

Anomaly Detection

Supporting materials

Andrew Ng Coursera

Titanic Project

Kaggle

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introduction supervised & unsupervised

- introduction
- WorkFlow of Data Science Project
- Classification - Logistic Regression

Titanic Project

- Problem definition and data pre-proccessing
- Data Science Project - Work Flow
  - Data Pre-proccessing
  - Feature Engineering
  - Feature Selection
  - First Run of Model (logistic regression)

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Random Forest

- Theory
- Implementation of Random Forest on Titanic Project
- Machine Learning System Design
- Model Evaluation

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Unsupervised Learning (Clustering)

Anomaly Detection

Support Vector Machines

Final Exercise - Home Credit