**Week 1 Study Plan**

First, some important links:

1. Coursera (<https://www.coursera.org/>)

Online course platform which involves many good courses in data analysis and computer science track, such as machine learning by Andrew Ng.

2. Kaggle (<https://www.kaggle.com/>)

A platform for machine learning projects, which contains many active competitions.

We have two major objectives for this week:

1) Get some knowledge with Kaggle platform.

2) Learn basic Python and Pandas techniques for data processing.

There are some valuable materials to help you realize objectives:

1) Python Pandas Cookbook- by Alfred Essa on Youtube (<https://www.youtube.com/playlist?list=PLyBBc46Y6aAz54aOUgKXXyTcEmpMisAq3>)

This tutorial gives most basic and important techniques for processing data with Pandas and demonstrates them with real examples.

2) Getting Started with Python - Kaggle Titanic (<https://www.kaggle.com/c/titanic/details/getting-started-with-python>)

This tutorial covers many techniques for data processing using Numpy and Pandas. This tutorial covers part of our Week 2 objective and should help you learn more about Kaggle and Python.

3) Python for Data Analysis - by  McKinney

This book is written by the author of Pandas which contains great DETAIL about the package. I suggest you use the book as a reference for current stage and try to read and practice more during our 10-week study plan.