Topic	References	Timeline
Basic concepts		**1 weeks**
Topic 1 What is Machine learning	HOML Ch. 1 / ISL Ch. 2	Mon, Oct 23
Topic 2 – A Machine Learning Project	HOML Ch. 2 / ISL Ch. 2	Mon, Oct 23
Topic 3 – Resampling methods and Fine-tuning	ISL Ch. 3 / HOML Ch. 2 / IMLP Ch. 5	Tue, Oct 24
Supervised learning		
Topic 4 – Classification	HOML Ch. 3 / ISL Ch. 4	Mon - Tue, Oct 30 - 31
SPECIAL TALK (not really part of the course)		**Thu, Nov 2**
HW#1 Lab session		Mon, Nov 6
Topic 5 – Tree-based Methods	HOML Ch. 1 & ISL Ch. 2	Tue - Wed, Nov 7-8
HW#2 Lab session		Mon, Nov 13
Topic 6 – Neural Networks	HOML Ch. 1 & ISL Ch. 2	Tue - Wed, Nov 14-15
Unsupervised Learning		
Topic 7 – Dimensionality Reduction	HOML Ch. 1 & ISL Ch. 2	Mon-Tue, 20-21
Topic 8 – Clustering	HOML Ch. 1 & ISL Ch. 2	Wed - Mon, Nov 22 - 27
HW#3 Lab session		Tue, Nov 28
Advanced topics		**1 day**
Deep Computer Vision Using Convolutional Neural Networks	TBC	Wed, Nov 29
Natural Language Processing	TBC	Mon, Dec 4