COMP9501 - Machine Learning

Semester 1, 2022-23

This is a **Graduate Course**. MPhil/PhD students in the Department of Computer Science should read the Coursework Requirement.

Instructor	Dr. J. Pan
Syllabus	This course introduces (1) the basic concepts of machine learning and core machine learning models and methods, including supervised learning, non-supervised learning, classification, and regression; (2) the machine learning pipeline including data gathering, preprocessing, visualization; selecting machine learning models and tuning hyper-parameters; training, validation, and testing; (3) case studies of machine learning applications including handling large datasets. The course consists of several assignments as well as a final project that lets students apply machine learning to their individual/group research projects.
Topics	
Pre-requisites	
Compatibility	
Instructor's web	
Assessment	- In-course assessment: - Examination marks:
Timetable	Teaching Period: September 1, 2022 - November 30, 2022 Reading Week: October 10, 2022 - October 15, 2022
Discussion board	Newsgroup: news://news.cs.hku.hk/hku.cs.comp8101

Timetable detail:

Date	Start Time	End Time	Venue	Remark
Monday	2:30pm	5:20pm	Room 308, Chow Yei Ching Bldg	