COMP9501 - Machine Learning
Semester 1, 2023-24

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

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Dr. J. Pan</th>
</tr>
</thead>
</table>

**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**
https://sites.google.com/site/panjia

**Assessment**
- In-course assessment:

**Timetable**
Teaching Period: September 1, 2023 - November 30, 2023
Reading Week: October 16, 2023 - October 21, 2023

<table>
<thead>
<tr>
<th>Date</th>
<th>Start Time</th>
<th>End Time</th>
<th>Venue</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday &amp; Thursday</td>
<td>14:30 (Mon)</td>
<td>15:20 (Mon)</td>
<td>CPD-2.58 (Mon)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>13:30 (Thu)</td>
<td>15:20 (Thu)</td>
<td>TBC (Thu)</td>
<td></td>
</tr>
</tbody>
</table>