School of Mathematics and Statistics
Applied Data Science (MAST30034)
Industry Project Overview

Group Preferences Due Date: Friday 16th of August at 2359
Project Weight: 30% + 10% + 10% + 10% = 60%

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Overview

This project aims to give students a chance to work on industry projects based on the current Data Science space at the graduate level. This year, there are two open-source mock industry projects available to choose from:

1. **Real Estate and Property Consulting**:
   Predicting rental prices in Victoria as part of a generic Real Estate Consulting Firm. This will be a project focusing on web scraping, regex, geospatial analysis, heuristics, APIs, and clustering.

2. **Generic Buy Now, Pay Later (BNPL) Firm**:
   Finding the Top Y Merchants to onboard out of a list of X Merchants where $Y < X$ for a new and generic BNPL firm. This will be a project with larger datasets focusing on insights, heuristics, predictions, and fraud detection.

The specs for each project will release on Canvas on Monday, August 12, which should give you a rough estimated on effort (i.e. number of hours, types of tasks, etc).

One member of each group will need to put in their group preferences by the due date found under the "Project 2 (Industry Project)" module. Your first preference is not guaranteed, though we will try and accommodate first preferences where possible.

Project Timeline

The general timeline for Project 2 is displayed as a Gantt chart in Figure 1. To see more information on Dates and Times, visit Home $\rightarrow$ Assessment Schedule on Canvas.

Assessment Overview

The Industry Project will be worth a total of 50% (Project work) + 10% (Review) of your final grade, consisting of the following assessment pieces.

MAST30034 Project 2 Timeline

	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Midsemester Break	Week 10	Week 11	Week 12	Week 13

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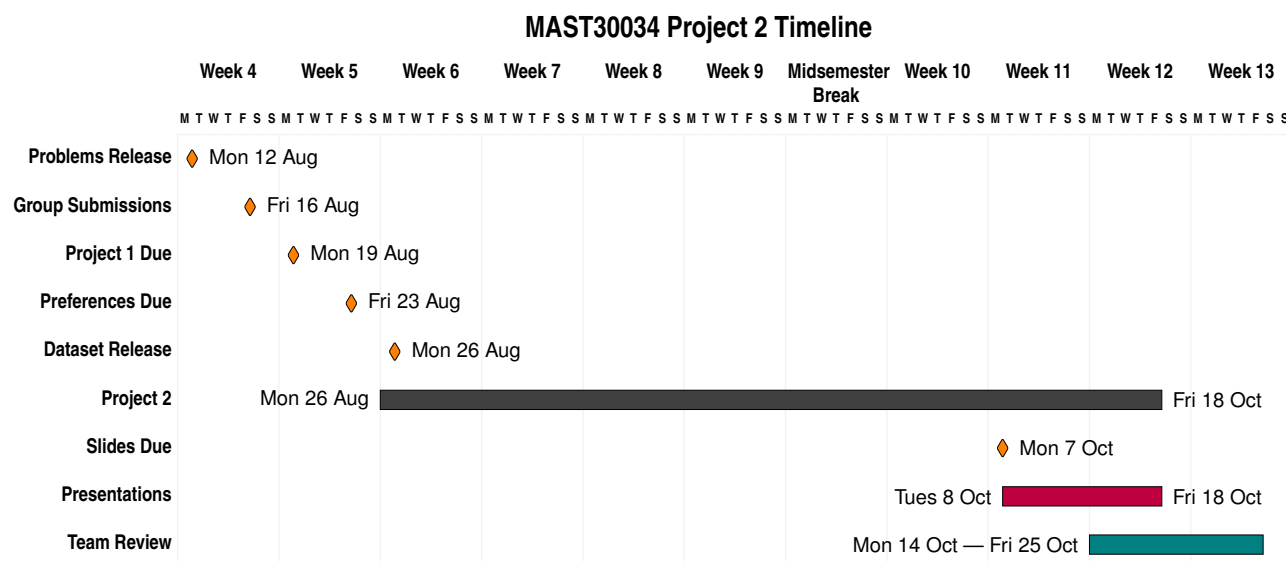|	
Problems Release	◆ Mon 12 Aug
Group Submissions	◆ Fri 16 Aug
Project 1 Due	◆ Mon 19 Aug
Preferences Due	◆ Fri 23 Aug
Dataset Release	◆ Mon 26 Aug
Project 2	Mon 26 Aug ▬▬▬▬▬▬ Fri 18 Oct
Slides Due	◆ Mon 7 Oct
Presentations	Tues 8 Oct ▬▬ Fri 18 Oct
Team Review	Mon 14 Oct — Fri 25 Oct ▬▬

Figure 1: **Project 2 Timeline**. This chart (as well as its source code) is also available in the Modules tab on Canvas.

Attendance, Checkpoints, and Meeting Minutes - 10%

- Attendance and Checkpoints will be marked off by your tutor every week. Note that it is expected all groups turn up to at least one tutorial per week.

- Meeting minutes should be uploaded every Friday by 2359 between Weeks 6 and 11 (including the Mid Semester break) under the "Attendance, Checkpoints, and Meeting Minutes" submission link. This will be checked off weekly by the teaching team.

  - * The marks are automated for this, so any late submission will result in a 0 for that week.
  - * It is your groups' responsibility to upload this.
  - * We recommend groups upload meeting minutes at the end of the tutorial to mitigate this.

- After your first submission, you can overwrite the submission the following week as we can see **all submissions to check the timeline**.

- If you need help on writing meeting minutes, view the "Mini-Lecture on Standups" located under Modules → "Project 2 (Industry Project)".

- *More details on Group Attendance is available from the "MAST30034 Project 2 Groups, Attendance, Checkpoints, and Meeting Minute Instructions" spec.*

Presentation - 30%

- Presentation submissions must be made via Turnitin on Canvas in PDF format at the end of Week 10, even if your allocated presentation is in Week 12.

- This is to ensure students who have earlier presentations are not disadvantaged.

- *You will get more details on the Presentation closer to the date.*

Deliverable Assessment - 10%

- The Deliverable Assessment will be dependent on your project but will most likely be a GitHub repository containing your code, findings, analysis, etc.

- This will be due at the end of Week 11 (note that it will overlap with presentations).

- *You will get your deliverable assessment task once your group has been locked in and the datasets have been released.*

- *Whilst we con the term "deliverable" here, this is not for any official company so there is actually no real "deliverable" to a client here.*

At the end of the Industry Project, there will also be a Team Review & Self Reflection component worth 10% of your final grade.

Team Review and Self Reflection - 10%

- A Team Review and Self Reflection report will be due at the end of SWOTVAC. This will be your chance to report your overall experience working as a group on an industry project.

- Students are to also provide a percentage of the work they think each group member contributed including themselves. Any significant deviance from an equal workload (i.e 20% for each group member) will be investigated and actioned upon appropriately.

- *You will get more details on the Team Review closer to the date.*

Important Administrative Notes

Extension Policy

A note that extensions / late submissions may not be applicable for certain aspects of this project due to the nature of the assessment (i.e weekly checkpoints). Groups that do not meet weekly checkpoints or attendance may lose the mark(s) allocated for that specific checkpoint.

Academic Honesty

You are reminded that **all submitted project work and code** in this subject is to be **your groups' individual work**. Automated similarity checking algorithms will be applied to compare submissions against all students, previous works, and known public sources. It is the University policy that cheating by students **in any form is not permitted** and that work submitted for assessment purposes must therefore be the independent work of the student concerned. Failure to comply may result in an Academic Honesty meeting with the faculty, with further escalation to the Academic Board depending on the severity.

Getting Help

Tutorials will be the first point of contact in getting help. If you have specific questions specific for our Industry Partners, please summarise your problem and let your tutor know during the tutorial.

Due to the number of students enrolled, please avoid sending private emails if possible unless they are admin related. You may use Discord to ask other groups or tutors for help.