

Suggested Project Timeline and Deliverables for the Assignment (8696/8697)

Weeks 2 – 3: Form a group of 5 students and register your group on Canvas

Weeks 4 – 6

- Find business(es) that may be affected by rainfall and obtain daily/weekly/monthly revenue data
- Download weather data from BoM website and perform the necessary pre-processing both datasets
- Perform exploratory analysis to gain an insight into both datasets (revenue and weather) and investigate existence of (linear) relationship
- Start preparing a formal report on the tasks/sections completed according to the report format given in the assignment document

Week 7

- Prepare a progress report in the form of a PowerPoint slide and prepare for presentation to
 - report on the progress of the project
 - raise challenges faced and obtain feedback on how to proceed with the remaining aspect of the project

Weeks 8 – 11

- Perform further exploration of both datasets based on the feedback received in the progress report presentation
- Apply suitable predictive data mining algorithms to build predictive models
- Evaluate their performances of your models with various numerical and visual performance evaluation tools and techniques
- Continue writing the formal report with the tasks/sections completed since the progress report

Weeks 12 – 13

- Finalise the assignment report and submit on Canvas
- Prepare PowerPoint slides for the final presentation