

ITCS498 Special Topics in Computer Science (Data Science) Semester 2/2019

For this project, you will work the ADAstra PM2.5 dataset. You are free to select your own topic to demonstrate your knowledge and abilities.

Important Date:

- Final submission: One day before the presentation.
- Final presentation: During the week after the ICT final exam period (not yet announced).

Guideline for final project submission

You must submit

- Notebooks,
- a report, and
- presentation slides

Final Notebook & Report (85points)

Topics	Max Score	Examples
Exploration	10	Look at basic statistics Check for missing values Check for correlation
Question Formulation	15	Introduction Motivation Objective
Data Preparation	20	Perform encoding Check outliers Feature selection Other related topics (such as normalization, unbalanced class)
Models Experimentation Evaluation	30	Apply at least 2 models Perform parameter tunings Report all evaluation results Compare and contrast the results Soundness of the experiments Other related topics
Conclusion	10	The conclusion should have a strong support by evidence (as shown in the notebook).

Final Presentation (15 points)

Topics	Max Score	Criteria
Quality of Presentation	10	Organization of the presentation Language usage Delivery clear idea
Q & A	5	