

Industrial Data Analysis

Topics

- Basic Python
- Data Analysis using Python
- Data Visualization in Python
- Dashboard Using Looker Studio
- Data Mining:
 - Classification
 - Regression
 - Clustering

Grading

- Assignments: 15%
- Exam (Final): 15%
- Project: 20%

Installing Python

- Google Colab (No installation required)
- Anaconda Distribution
 - Too big
- Microsoft Store
 - Too barebones
- `uv` package manager
 - Flexible and lightweight

Instructions for uv

- Windows
- MacOS

Advise for Using AI

- Use AI as a tool to guild your learning. Not replacing it.
- Do not blindly copy-paste code generated by AI.
- In the exam, AI is not allowed.