# 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.