Intro to data engineering

Introductory Course

Goal:

learn about databases and prepare to use in data science projects

Requirements: Windows 10 or Linux Ubuntu with PyCharm Community Edition IDE with JetBrains Academy plugin installed

python 3.10 with postgres psycopg

postgres database and admin/query tools installed

Curriculum:

Class 1 Intro to data engineering

Class 2 SQL Databases – Postgres

Class 3 Table design and optimization.

Class 4 Views and Materialized views

Class 5 Constraints

Class 6 Indexes

Class 7 Explain plan analysis

Class 8 Backup and recovery

Class 9 Row and column level Security

the class source code is here [petacube/intro\_to\_python\_class (github.com)](https://github.com/petacube/intro_to_python_class)

available to students and content providers