Course Description

This course provides hands-on experience in running an end-to-end data analysis project.

It will be conducted in collaboration with Trenario, an Artificial Intelligence startup, using real data.

Students will be grouped in small teams, each getting a real-world business case. The teams will go all the way from designing a business case, gathering and enriching data, running analyses and building advanced models.

In the end, the teams will provide their insights on the business cases, based on their projects.
**Classes and meetings**

Progress review meetings (separated for each team) will be coordinated in the beginning of each semester.

Attendance Requirements:

- The presentation is mandatory
- It is mandatory that each student attends at least 5 meetings
- It is mandatory that at least 2 students attend each group meeting

**Office Hours**

In addition to these meetings, students may ask for advice during the office hours of the teaching assistant or by appointment

---

**Course Goals**

Provide hands-on experience running a full data analysis project.

- **Semester A**: Designing a business case, gathering data
- **Semester B**: Analysis and modelling, insights on the business case

---

**Grading**

**Semester A:**

- **50%**: 2 Mandatory team tasks (25% each)
- **50%**: 1 Mandatory team presentation

**Semester B:**

- **25%**: 1 Mandatory individual task
- **25%**: 1 Mandatory team task
- **50%**: 1 Mandatory team presentation

* Presentations can be presented by all or part of the team members.

---

**Learning Outcomes**

Students will acquire hands-on experience and practical skills in data analysis. They will –

- Get familiar with best practices of working on a data project.
- Learn how to effectively define a business problem.
• Gain experience working with data, including preparation and exploratory analysis.
• Expand their technical skillset.

Teaching Assistant
Mr. Perets Or
or.perets@post.idc.ac.il

Reading List
A reading list will be provided for each team according to its challenges and tasks.