Syllabus CS 210, Introduction to Data Science  
Summer 2023

1 Instructor and Assistants

Instructor: Özgür Asar (ozgur.asar@sabanciuniv.edu)

Teaching assistant: Egemen Uğur Dalgıç (egemen.dalgic@sabanciuniv.edu)

2 Office hours

1. Instructor’s office hours: by appointment.
2. Assistants’ office hours: by appointment.

3 Time and Venue

1. Lectures
   - Tuesday  8.40 - 11.30  Fac. of Engin. and Nat. Sci. L065
   - Thursday 8.40 - 11.30  Fac. of Engin. and Nat. Sci. L065

2. Recitations
   - Thursday 15.40 - 17.30  Fac. of Engin. and Nat. Sci. L029
   - Friday  12.40 - 14.30  Fac. of Engin. and Nat. Sci. L067

4 Textbook

Authors: Peter Bruce, Andrew Bruce, and Peter Gedeck.  
Title: Practical Statistics for Data Scientists, 50+ Essential Concepts Using R and Python.

Authors: Laura Igual, Santi Seguí.  
Title: Introduction to Data Science A Python Approach to Concepts, Techniques and Applications,

5 Lecture slides and videos

Slides will be uploaded on SUCourse.

6 Course Description

The course covers the material listed below. Chapters refer to the above mentioned textbook.
• Exploratory data analysis
• Data quality
• Hypothesis testing
• Statistical modelling
• Machine learning

7 Course evaluation

• Midterm exam (50%) 10 August 2022, 09:00-11:30
• Term project (50%) 25 August 2022, Submit until 17:00

8 Attendance

Attendance is optional.