Syllabus MATH 306, Statistical Modelling
Summer 2023

1 Instructors and Teaching Assistants

Instructor: Özgür Asar (ozgur.asar@sabanciuniv.edu)
Coordinating teaching assistant: Zohreh Aliabadi (zohreh.aliabadi1@sabanciuniv.edu)
Teaching assistants: Selim Ahmet İz (selim.iz@sabanciuniv.edu)
Ender Akpınar (enderakpinar@sabanciuniv.edu)

2 Office hours

1. Office hours by the instructor: by appointment.
2. Office hours by the TA's: by appointment.

3 Time and Venue

1. Period: 18 June - 02 September, 2022
2. Lectures: Monday 08.40-11.30 + Wednesday 08.40-11.30, Fac. of Engin. and Nat. Sci. L045
3. Recitations

<table>
<thead>
<tr>
<th>Section</th>
<th>Day, time, venue</th>
<th>TA</th>
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<tbody>
<tr>
<td>A</td>
<td>Friday 14:40 - 16.30, Fac. of Engin. and Nat. Sci. L058</td>
<td>Zohreh Aliabadi</td>
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<tr>
<td>B</td>
<td>Friday 14:40 - 16.30, Fac. of Engin. and Nat. Sci. L056</td>
<td>Selim Ahmet İz</td>
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<tr>
<td>C</td>
<td>Friday 14:40 - 16.30, Fac. of Engin. and Nat. Sci. L048</td>
<td>Ender Akpınar</td>
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4 Textbook


5 Lecture and Recitation notes

Lecture notes will be uploaded to SUCourse. Recitation questions and solutions will also be uploaded to SUCourse.
6 Prerequisite and Corequisite

Prerequisite is a grade at least D for MATH 203. MATH 306R is a corequisite.

7 Course Description

The course covers the material listed below. Chapters refer to the above mentioned textbook.

- Chapter 8: Sampling Distributions
- Chapter 10: Point Estimation
- Chapter 11: Interval Estimation
- Chapter 12: Hypothesis Testing
- Chapter 13: Test of Hypothesis Involving Means, Variances and Proportions
- Chapter 14: Regression and Correlation

8 Recitations

- Students must attend the recitation session that they are allocated to.
- Recitations are supposed to be an active learning environment. Your behavior will be monitored by the TA's. If you misbehave during recitations, this will be reported to the instructor and appropriate measures will be taken. In extreme cases, this may even affect your course grade.

9 Exams and Course Policies

1. There will be one mid-term and one final. The weight of each exam is 50%.
   The dates and times of the midterms are as follows.
   Midterm exam: 09 August 2023, at 09:00
   Final exam: To be held in the final exam time period (26-29 August September), exact date will be announced later

2. Make-up exam: one who missed an exam can take a make-up that will be held at the end of the summer term and the exam will cover all the topics.

3. The passing grade will be determined after the last exam. Be aware that this passing grade may not match the overall average of the students.

4. It is students’ responsibility to follow all the announcements made in class and those made via SUCourse.