Course program and reading list

Semester 2 Year 2023

School:  Arison School of Business B.A

Statistics and Data Analysis II

Lecturer:

Mr. Hever Schulberg  hevers@runi.ac.il

Tutors:

Mr. Hever Schulberg  hevers@runi.ac.il

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Type</th>
<th>Weekly Hours</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2341</td>
<td>Lecture</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Course Requirements :  Final Exam  Group Code : 232234100  Language: English

Course Description

1. The central limit theorem for means
2. Confidence intervals for expected value and difference of expected values
3. Hypothesis tests for expected value and difference of expected values
4. Errors and power in hypothesis tests
5. Analysis of variance
6. Correlation and simple linear regression
7. Multiple linear regression
8. Chi-squared test of independence
Course Goals

We shall deepen and widen our understanding of the methods of statistical inference, emphasizing estimation and hypothesis testing.

Grading

The course grade will be based entirely on the final exam.

Theoretical homework exercises shall be assigned regularly but NOT collected.

Practical Excel exercises shall be assigned in order to be eligible to take the exam.

Lecturer Office Hours

By appointment

Reading List

The only required readings are the lecture notes already posted on Moodle.