Course Description

Do you want to learn how data science leverage business success? (Of course you do!)

Our course will expose you to theoretical and practical knowledge on how data have the power to add intelligent insights that support business goals for a variety of domains (e.g., medical, financial, advertising).

We will cover selected problems including Optimization, Classification, Clustering, and Prediction. For each problem, we will learn about algorithms that solve it and measures that evaluate a solution. To make the learning contextual, we will apply methods learned for business cases and real industrial data.

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<tr>
<th>Course No.:</th>
<th>Course Type :</th>
<th>Weekly Hours :</th>
<th>Credit:</th>
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<tbody>
<tr>
<td>3411</td>
<td>Lecture</td>
<td>3</td>
<td>4</td>
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Course Requirements : Final Paper

Group Code : 222341100

Language: Hebrew

Course program and reading list
Semester 2 Year 2022

School: Adelson School of Entrepreneurship B.A

Data Science Implementation for Entrepreneurs

Lecturer:
Dr. Gail Gilboa Freedman  gail.gilboa@idc.ac.il

Tutors:
Dr. Naveh Eskinazi  naveh.eskinazi@post.idc.ac.il

Teaching Assistant:
Dr. Naveh Eskinazi  naveh.eskinazi@post.idc.ac.il
Course Goals
Getting familiar with a variety of data science algorithms and business applications.

Grading
4 Homework assignments – 60% (individual)
Each assignment is mandatory
Graded in the range of 0-10
Worth 15% of the final grade
Final Project – 40% (teams of 4)

Learning Outcomes
Students learn to:
• Describe what data science is and the skill sets needed for a data scientist.
• Hands-on experience in applying data science algorithms for solving business problems.

Lecturer Office Hours
By appointment

Tutor Office Hours
TBA

Teaching Assistant
Nave Eskinazi
naveh.eskinazi@post.idc.ac.il
Reading List

- מבורז חַזְבּוּר בְּתָחווֹזְמ, יִלְיָבִי, יעִבְבִיחַר קֶבֶר. 2010
- [Foster_Provost]_Data_Science_for_Business. O'Reilly Media, Inc. 2013,

Access to e-book available from library collections

- [Joel_Grus]_Data_Science_from_Scratch

Access to e-book available from library collections

- [Tan_et_al]_Introduction_To_Data_Mining
- [Gould_et_al] Introductory Management Science