

Course Introduction and Overview

Course:
INFO-6145 Data Science and Machine Learning



Developed by:
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September 5, 2024

Course Overview

In this course, we will cover:

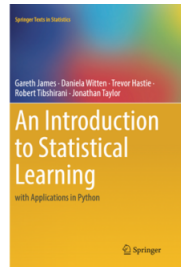
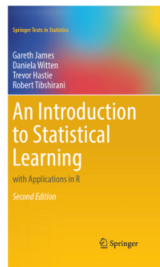
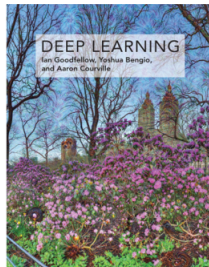
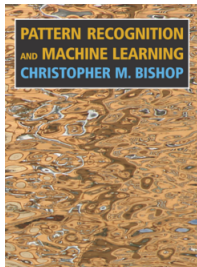
- Basic concepts and knowledge required in Data Science.
- Information on using some tools like GitHub repositories for version control and collaboration.
- Understanding key statistical concepts essential for data analysis.
- Introduction to algorithms commonly used in Data Science.
- Techniques for data preprocessing, feature engineering, and selecting the right algorithms.
- Knowledge about web scraping to collect data from the web.
- An introduction to Natural Language Processing (NLP).

Marking Scheme

The marking scheme for this course is as follows:

- **Final Project:** 30% of the total grade. Students will work in teams of up to 2 members.
- **Assignments:** Three assignments, each worth 10%, totaling 30% of the final grade.
- **Midterm Exam:** 20% of the total grade.
- **In class activity:** 20% of the total grade.

Sources



Class and Lab Schedule

- **Class:** Thursday from 1:00 PM to 3:00 PM.
- **Lab Session:** Friday from 1:00 PM to 2:00 PM.

2024-25 Academic Calendar 16 Week Calendar

Approved by College Council October 26, 2022

Fall Term September 3, 2024 to December 20, 2024 71 Class days
 Winter Term January 6, 2025 to April 30, 2025 73 Class Days
 Summer Term May 5, 2025 to August 27, 2025 71 Class Days

 Holiday
 Inter term day
 Class Day
 Exam Day
 Orientation Day



FALL 2024

September '24								October '24								November '24								December '24							
wk	S	M	T	W	T	F	S	wk	S	M	T	W	T	F	S	wk	S	M	T	W	T	F	S	wk	S	M	T	W	T	F	S
1	1	2	3	4	5	6	7																								
2	8	9	10	11	12	13	14	6	6	7	8	9	10	11	12	10	3	4	5	6	7	8	9	15	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21	7	13	14	15	16	17	18	19	11	10	11	12	13	14	15	16	16	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28	8	20	21	22	23	24	25	26	12	17	18	19	20	21	22	23		22	23	24	25	26	27	28
5	29	30						9	27	28	29	30	31			13	24	25	26	27	28	29	30		29	30	31				