# Course Introduction and Overview

Course:
INFO-6145 Data Science and Machine Learning

**FANSHAWE**

Developed by:
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# Course Overview

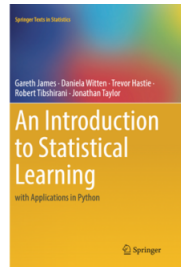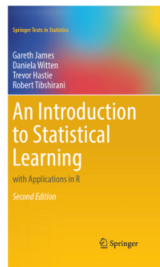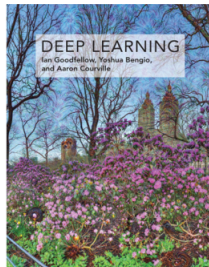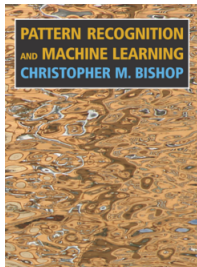In this course, we will cover:

- 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.