# Predictive Analytics
# Course Overview

- Hands-on course on Machine learning for Predictive Analytics
- Focus is on implementation
- Will review the fundamentals of ML methods
- Based on Python, and sklearn

- Course evaluation
- All course Items online
  (recordings, notes, homework, grades)
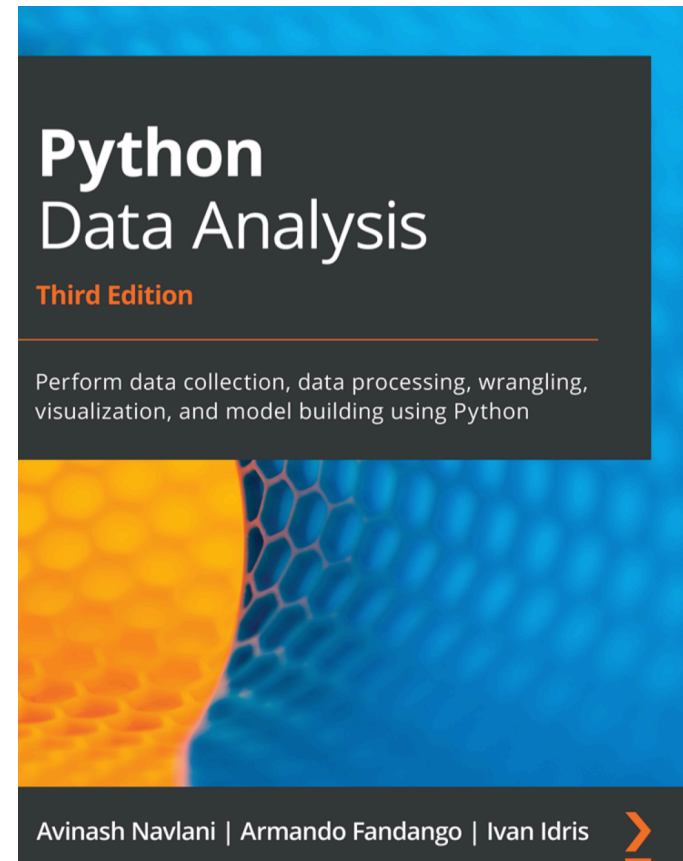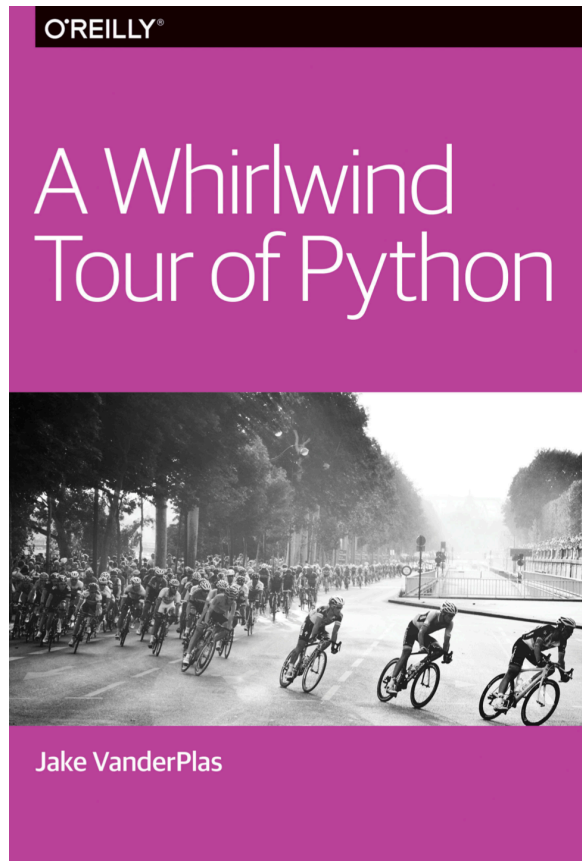- Course Prerequisites
- Textbook
- Homework 1

- Assignments      30 %
- Midterm Exam      30 %
- Final Exam      <u>40 %</u>
- Total      100 %

- Programming language, Linear algebra, Statistics

- Assignments (take home, submit on BB)

- Some office hours are online

  (link is available on BB)

# REFERENCE



A Whirlwind Tour of Python
Jake VanderPlas



Python Data Analysis
Third Edition
Perform data collection, data processing, wrangling, visualization, and model building using Python
Avinash Navlani | Armando Fandango | Ivan Idris

- Report must be letter size and in pdf format
- Report should be in portrait orientation
- Report must show Student's Name and USC ID
- Submit on the due date
- No late submission
- One submission per student only
- Lines of code should not be truncated

Cesar Alfonso Jaime Acosta-Mejia **15** ▼

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**20223_ise_529_31529: Predictive Analytics** ⊙    Announcements    Edit Mode is: **ON**

**20223_ise_529_31529: Predictive Analytics** 🏠

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USC Code of Ethics ⊙
Course Home ⊠ ⊙
➡ USC Zoom Pro Meeting ⊠ ⊙

**Course Management**

# Announcements

Create Announcement                                                                    ↑↓

**New announcements appear below this line**
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### Instructor Office hours ⊙

Posted on: Friday, August 19, 2022 6:47:46 PM PDT

Cesar Acosta is inviting you to a scheduled Zoom meeting.

Topic: Instructor Office hours
Time: Aug 24, 2022 04:00 PM Pacific Time (US and Canada)
    Every week on Wed, until Nov 16, 2022, 13 occurrence(s)
    Aug 24, 2022 04:00 PM
    Aug 31, 2022 04:00 PM
    Sep 7, 2022 04:00 PM
    Sep 14, 2022 04:00 PM
    Sep 21, 2022 04:00 PM

Posted by: Cesar Alfonso
Jaime Acosta-Mejia
Posted
to: 20223_ise_529_31529:
Predictive Analytics

## Cesar Acosta

acostame@usc.edu

https://cesar-acosta.github.io

University of Southern California
Department of Industrial and Systems Engineering
GER 216

Emails should include your USC ID and the Course name

- July 17   Monday                              via zoom

- July 24   Monday  4 p.m. GER 216  - before E1

- Aug 1     (before HW3 due)        via zoom

- Aug 8     (before final exam due)   via zoom

- July 4            online via zoom

- July 18, 21      ZHS 252

- July 25          ZHS 252

- All other sessions online via zoom