

# Stanford | Continuing Studies

**Course Title: Data Analysis with Python**

**Course Code: CS 65 W**

**Instructor: Matt Harrison**

## Course Summary:

We will be using tools in the Python ecosystem (Jupyter, Pandas, Seaborn, Scikit-Learn) to perform Exploratory Data Analysis. We will summarize data, visualize data, and perform some machine learning.

## Grade Options and Requirements:

- No Grade Requested (NGR)
  - This is the default option. No work will be required; no credit shall be received; no proof of attendance can be provided.
- Credit/No Credit (CR/NC)
  - Students must participate in at least 70% of weekly assignments, discussions, and/or Zoom sessions.
- Letter Grade (A, B, C, D, No Pass)
  - Students must participate in at least 70% of weekly assignments, discussions and/or Zoom sessions, and complete a final assignment (data analysis of your own choosing to be discussed further in class).

*\*Please Note: If you require proof that you completed a Continuing Studies course for any reason (for example, employer reimbursement), you must choose either the Letter Grade or Credit/No Credit option. Courses taken for NGR will not appear on official transcripts or grade reports.*

## Tentative Zoom Schedule\*:

Zoom session will be held weekly, on Tuesdays at 5pm Pacific Time.

*\*Please note that the Zoom schedule is subject to change. Attendance at live Zoom sessions is not required. Zoom sessions will be recorded.*

## Tentative Weekly Outline:

- Week 1 - Python & Pandas
- Week 2 - Data Quality
- Week 3 - Exploring Data
- Week 4 - Plotting Data
- Week 5 - Machine Learning: Clustering, PCA
- Week 6 - Presenting Data

Please contact the Stanford Continuing Studies office with any questions  
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