

PYTHON FOR DATA SCIENCE

CLASS 3

Instructor: Angelica Rojas (Angie)

FUHSD Adult School

TODAY'S SCHEDULE

Class 3 - 2/5/18

6:00 - 6:15	Announcements + Attendance
6:15 - 6:30	Python Quiz
6:30 - 7:00	Review Python Questions
7:00- 7:50	Advanced Python + NumPy <i>intro.</i>
7:50 - 8:00	<i>Break</i>
8:00 - 9:00	NumPy <i>cont.</i>

Learning Objectives

- Python Review
 - Identifying and manipulating loops
 - Defining your own functions
- NumPy
 - Identifying 1-dimensional vs multidimensional arrays
 - Accessing, slicing, and manipulating arrays
 - Indexing lists vs arrays
 - Introduction and application of linear algebra concepts

SCHEDULE

DATE	CLASS TOPIC	QUIZ (15 MINS) In-Class @ 6:15	ASSIGNMENT DUE: By 5:59 PM
1/22/18	Introduction + Quiz	TBA	N/A
1/29/18	Jupyter + Python Review	N/A	All tools downloaded
2/5/18	Advanced Python + NumPy	Python 101	Python Cheat Sheet
2/12/18	Exploratory Data Analysis + Data Cleaning (Pandas)	NumPy + Python (Adv.)	NumPy Cheat Sheet
2/19/18	Data Wrangling (Pandas)	Pandas Functions	Pandas Cheat Sheet
2/26/18	Visualizations (Matplotlib)	All Topics Covered	Project Proposal
3/5/18	Advanced Visualizations (Seaborn + Matplotlib) + Introduction to Statistical Analysis	Matplotlib	Matplotlib Cheat Sheet Submit Dataset
3/12/18	Capstone Project Presentations	N/A	Capstone Project

ATTENDANCE

ATTENDANCE

Fill out this form:

tinyurl.com/fuhsd3-3

SLACK



slack

- Make sure to add a **profile picture!!!**
 - *Waiting on 5 people*
- Do **NOT** write in the ***classwork_material*** channel

**ANY
QUESTIONS?**

READY BY NEXT CLASS (2/12/18)

- NumPy Cheat Sheet (*Optional*)
- STUDY!!! (Quiz: *NumPy + Python Adv.*)
- OPTIONAL: come well rested, a lot of new material next week

QUIZ TIME

- Time: 15 mins
- Allowed:
 - Python Cheat Sheet
 - 1/29/18 Notebook
- NOT Allowed:
 - Any other online resources
- You must fill out every question to turn in your quiz
- GOOD LUCK!!!

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LINK:

tinyurl.com/fuhsd3-q1