Intro to Python[1]
2021 Summer
May 10 – May 14

Instructor: Kairong Chen
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Class Time: 9:00 am – 12:00 pm (noon), May 10 – May 14, 2021

Zoom Link (no registration required):

https://iu.zoom.us/
Meeting ID: xxx xxx xxxx
Password: 123456

Course Shared Folder:

https://drive.google.com/drive/folders/
All course material, including notebook, data, and recording, will be uploaded to the folder.
* Contact me if the folder link doesn't work.

Textbook:
- McKinney, Wes. Python for data analysis: Data wrangling with Pandas, NumPy, and IPython. " O'Reilly Media, Inc.", 2nd edition, 2017.

Course description:
This mini course will take you from the basics of Python to exploring many different types of tools and data economists can use in an empirical research. You will learn how to preprocess data for analysis, perform simple statistical analysis, web-scraping public web data, access IU research computing resource, and more!

Please turn to the next page for a tentative schedule.

Tentative Schedule

Date		Topics
5/10	Class 1	**Chapter 1: Getting Started**
		Introducing Anaconda, Jupyter notebook and library
		Chapter 2: Data Structure and Functions (CH 2.1-3)
5/11	Class 2	**Chapter 3: Numpy Basics**
		Chapter 4: Pandas and Data Cleaning
		CH 4.1 *Introducing Pandas Data structure*
5/12	Class 3	**CH 2.4** *Files and Operating System,* **CH 4.2** *Data Cleaning*
		Chapter 5: Pandas Wrangling
		CH 5.1-3 *Merge, group operation basics, time series*
5/13	Class 4	**CH 5.4-5** *Graphing, Compustat example*
		Chapter 6: String Manipulation and Regular Expression
5/14	Class 5	**Chapter 7: Web Scraping**
		Chapter 1b: Getting Started to research
		RED and run jobs on Carbonate
		Pull data from WRDS

* *This schedule is tentative and subject to change.*

Note that you don't have to have IU-specific accounts (or subscriptions) to get started. IU RED is just a backup option.