What is Python?

Python is an open-source (Free!) coding language. It is becoming increasingly popular in academia, professional settings, and for personal projects. It has lots of free resources on how to learn and troubleshoot and can be used on any number of applications ranging from data science, programming models, buildings apps, and much more!

Python on Mac

Python is a relatively small in space software requiring slightly over 100MB of space. Any Mac can run it and the system requirements are quite minimal.

Your version of Mac OS may already have a version of Python installed on it. To check if it does, open terminal by pressing the spacebar and command keys at the same time. Then type in terminal and press enter. Once in terminal, type python and press enter. If a version of python is displayed then you already have python. If you get a error or a response that no such command exists then you do not have python. Continue with this guide if such an error shows up. If you wish to get the newest version of Python on your computer also continue with this guide.

Where to **Download Latest Version of Python for Mac:** https://www.python.org/downloads/mac-osx/

Install Steps:

1. After going to download page, click download latest Python 3 release (3.8.1 as of February 2020)
2. Scroll to bottom of next page and choose macOS 64-bit installer
3. Open downloaded file and run install wizard
4. Installing Python is straight-forward on Mac, accept users agreements and allow for full install

Check if Installed Correctly:

To check if Python installed correctly on your laptop
- Open Mac Terminal
    - Command + Spacebar and type Terminal, press enter and open the Terminal
    - Type `python3 --version`
- If version of Python shows up, install is a success
- If version of Python does not show up and you get an error, Path Variable issue
    - Try uninstalling and reinstalling Python OR
    - Troubleshoot here: https://bic-berkeley.github.io/psych-214-fall-2016/using_pythonpath.html

Install Complete!

For tutorial on how to start using Python come to a Data Services Python Workshop
Don't have the time or have a conflict? Try python.org's: Python for Beginners
For troubleshooting, custom installs, or general questions: https://library.uoregon.edu/data-services/contact

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Python on Windows

Python is a relatively small-in-space software requiring slightly over 100MB of space. Given how much PC hardware can vary system-to-system, unconventional laptop set-ups may not be able to install Python or, may have limited functionality. If you run across any issues with your install on Windows, feel free to contact data services for one-on-one assistance.

Where to **Download Latest Version of Python for Windows:** https://www.python.org/downloads/windows/

Install Steps:

1. After going to download page, click download latest Python 3 release (3.8.1 as of February 2020)
2. Scroll to bottom of next page and choose Windows x86-64 embeddable zip file
3. While not necessary, it is recommended to create a new folder in your C:\ drive called Python and within that folder create a new folder called Python38. This is where you will install this version of Python
4. Open downloaded file and run install wizard
5. At first prompt, check the "Add Python 3.8 to PATH" and click Customize Installation
6. At Optional Features, leave default checked boxes and click Next
7. At Advanced Options, leave default checked boxes and change Customize install location to the Python38 folder you created in your C:\Python\Python38 new folder location
8. Install Python and close

Check if Installed Correctly:

To check if Python installed correctly on your laptop
- Open Command Prompt
    - Windows + r and type cmd, press enter and open the Commad Prompt
    - Type `python --version`
- If version of Python shows up, install is a success!!!
- If version of Python does not show up and you get an error, Path Variable issue
    - Try uninstalling and reinstalling Python. Be sure to check the "Add Python 3.8 to PATH"

Install Complete!

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