



AAE2004 Introduction to Aviation Systems AAE Design of Path Planning Algorithm for Aircraft Operation

Week 8 (First Week) – Software Installation and Setup (MAC)

Dr. Li-Ta Hsu, Dr. Guohao Zhang, and Dr. Weisong Wen Assisted by

Miss Hiu Yi HO (Queenie), Miss Yan Tung LEUNG (Nikki), Mr Hoi Fung NG (Ivan) and Mr Feng HUANG (Darren)





Software Installation and setup Guide

MAC



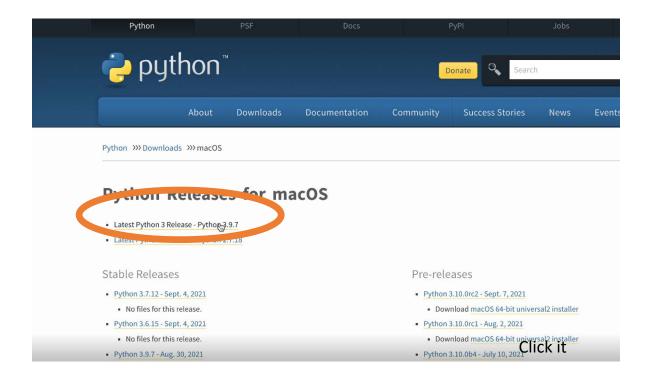


https://www.youtube.com/watch?v=pjoFbfB57c&ab_channel=POLYUIPNL

	Q All	▶ Videos	Images	■ News	Shopping	: More	T	ools	
	About 92,100,000 results (0.60 seconds) How to Install Python on a Mac 1. Navigate to the Python download site with your browser 2. Click the appropriate link for your version of OS X: 3. Double-click python 4. Click Continue three times 5. Select the Volume (hard drive or other media) that you want to use for installing Python and click Continue 6. Click Install. More items								
	https://www.dummies.com > programming > how-to-insta								
	How to Install Python on a Mac - dummies								
	About featured snippets • III Feedback								
	Pytho	n Release	g > downloads : es for mac(e. Python 3.8.9	os	1. Download m	acOS 64-bit late	el installer		
	Python .			2 - While	z i. Dowilload III	acco c4-bit inte	ci iliotalici	h	Click it

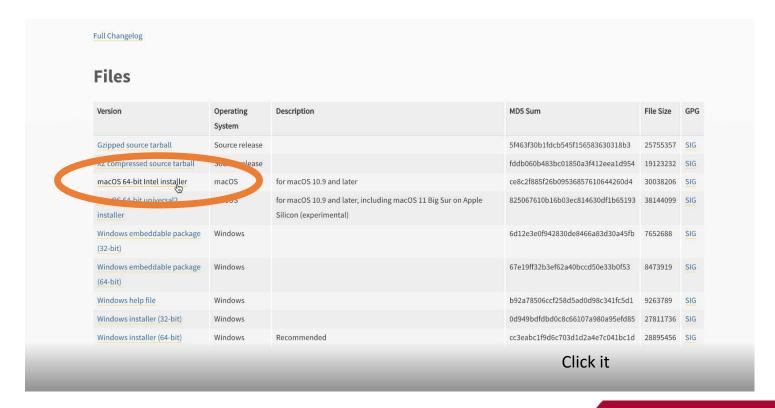


















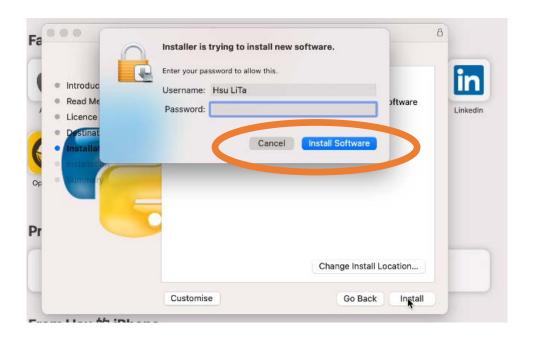






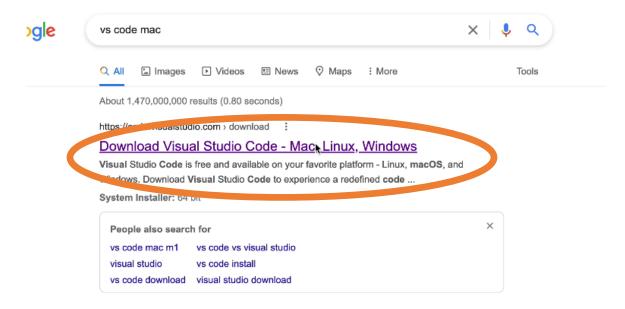










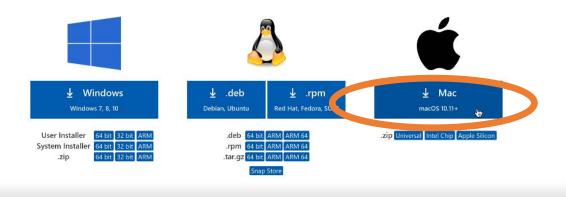






Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



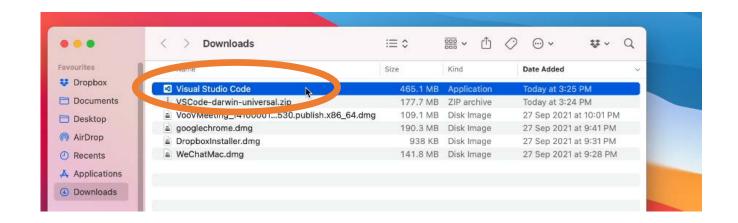






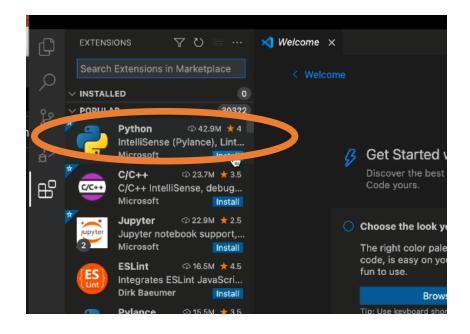






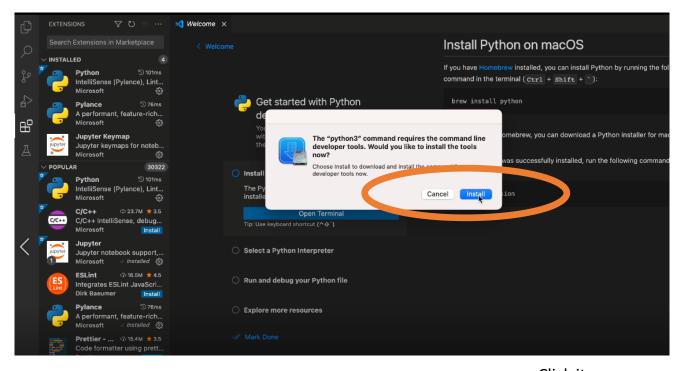






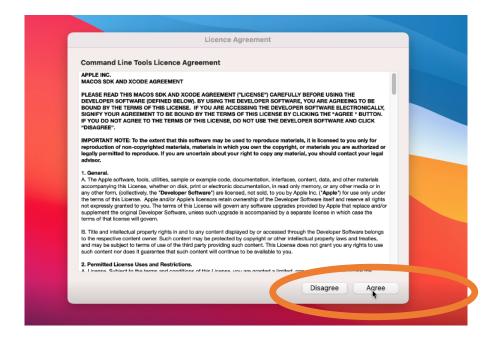






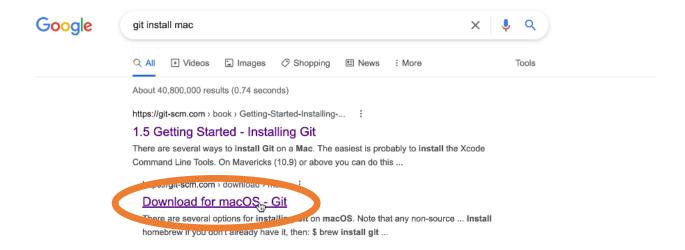






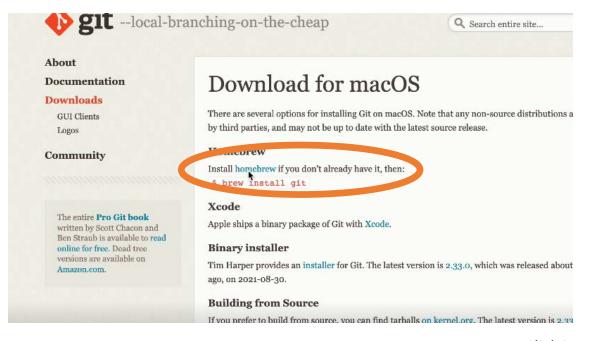












Click it



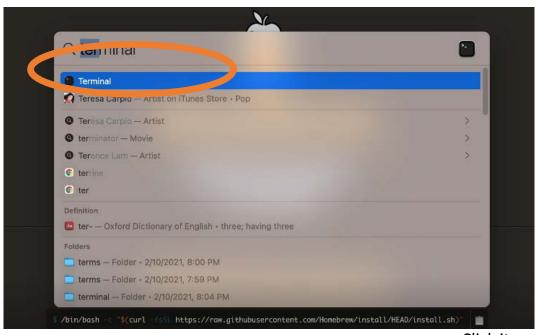




Copy this command







Click it











```
math in hsulita — sudo - bash -c #!/bin/bash\012set -u\012\012abort() {\012 printf "...
Last login: Sat Oct 2 19:54:54 on console
hsulita@Hsus-MacBook-Air ~ % /bin/bash -c "$(curl -fsSL https://raw.githubuserco
ntent_com/Homebrew/install/HEAD/install.sh)"
 Checking for 'udo' access (which may request your password).
Password:
```

Enter your password





```
hsulita — bash -c #!/bin/bash\012set -u\012\012abort() {\012 printf "%s\n"...
/opt/homebrew/share/man/man1/brew.1
/opt/homebrew/share/zsh/site-functions/_brew
/opt/homebrew/etc/bash_completion.d/brew
/opt/homebrew
==> The following new directories will be created:
/opt/homebrew/bin
/opt/homebrew/etc
/opt/homebrew/include
/opt/homebrew/lib
/opt/homebrew/sbin
/opt/homebrew/share
/opt/homebrew/var
/opt/homebrew/opt
/opt/homebrew/share/zsh
/opt/homebrew/share/zsh/site-functions
/opt/homebrew/var/homebrew
/opt/homebrew/var/homebrew/linked
/opt/homebrew/Cellar
/opt/homebrew/Caskroom
/opt/homebrew/Frameworks
==> The Xcode Command Line Tools will be installed.
Press RETURN to ontinue or any other key to abort
```

Press RETURN





```
hsulita — -zsh — 80×24
HEAD is now at b3db6142292 xpdf: update 4.03_1 bottle.
Warning: /opt/homebrew/bin is not in your PATH.
  Instructions on how to configure your shell for Homebrew
  can be found in the 'Next steps' section below.
==> Installation successful!
==> Homebrew has enabled anonymous aggregate formulae and cask analytics.
Read the analytics documentation (and how to opt-out) here:
  https://docs.brew.sh/Analytics
No analytics data has been sent yet (or will be during this 'install' run).
==> Homebrew is run entirely by unpaid volunteers. Please consider donating:
  https://github.com/Homebrew/brew#donations
==> Next stop
 our these two commands in your terminal to add Homebrew to your PATH:
    echo 'eval "$(/opt/homebrew/bin/brew shellenv)"' >> /Users/hsulita/.zprofile
   "$(/opt/homebrew/bin/brew shellenv)"
- Run `brew neip ...
- Further documentation:
```

Copy this command

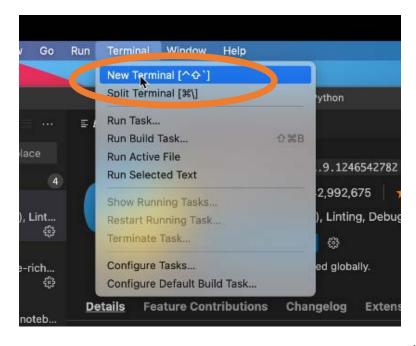




```
hsulita@Hsus-MacBook-Air ~ % echo 'eval "$(/opt/homebrew/bin/brew shellenv)"
' >> /Users/hsulita/.zprofile
[ eval "$(/opt/homebrew/bin/brew shellenv)"
[hsulita@Hsus-MacBook-Air % brew install git
```



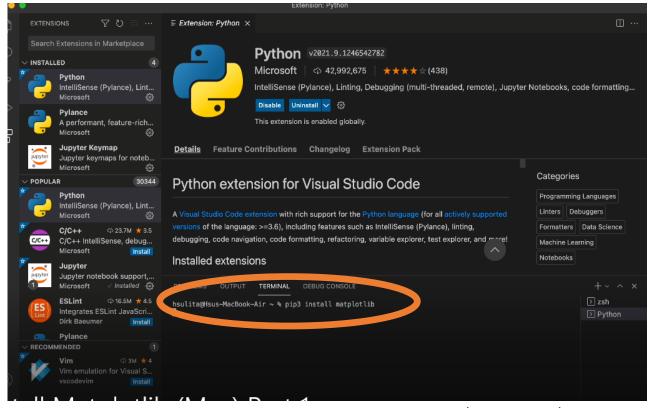




Click it











```
Collecting six
Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, python-dateutil, pyparsing, pillow, numpy, kiwisolver, cycler, mat plotlib
Successfully installed cycler-0.10.0 kiwisolver-1.3.2 matplotlib-3.4.3 numpy-1.21.2 pillow-8.3.2 pypar sing-3.4.7 mathematical size of the s
```

You may encounter this problem





```
WARNING: You are using pip version 21.2.3; however, version 21.2.4 is available.
You should consider upgrading via the /Library/Frameworks/Python.framework/Versions/3.9/bin/python3.9 -m pip install --upgrade pip command.
```

Copy this command





Paste the command





```
PROBLEMS
            OUTPUT
                      TERMINAL
                                 DEBUG CONSOLE
hsulita@Hsus-MacBook-Air ~ % /Library/Frameworks/Python.framework/Versions/3.9/bin/python3.9
-m pip install --upgrade pip
Requirement already satisfied: pip in /Library/Frameworks/Python.framework/Versions/3.9/lib/
python3.9/site-packages (21.2.3)
Collecting pip
 Downloading pip-21.2.4-py3-none-any.whl (1.6 MB)
                                      | 1.6 MB 5.6 MB/s
Installing collected packages: pip
 Attempting uninstall: pip
    Found existing installation: pip 21.2.3
    Uninstalling pip-21.2.3:
     Successfully uninstalled pin-21
Successfully installed pip-22.2.4
hsulita@Hsus-MacBook-Air ~ pip3 install matplotlib
```

Type the command