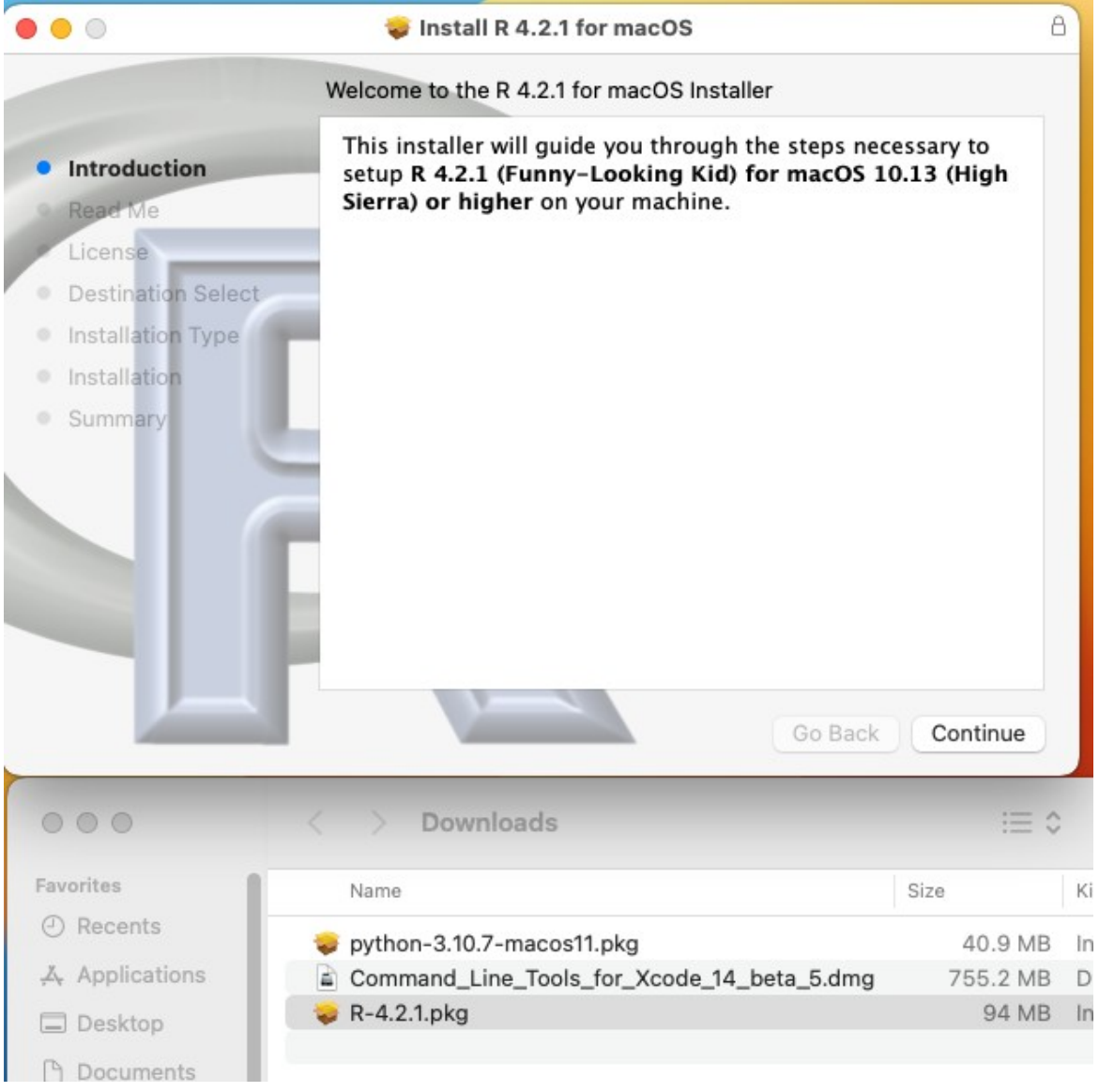
PS5841-Data Science in Insurance (Y. Wang)

MacOS Setup

Install Python
Welcome to the Python Installer
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
This package will install Python 3.10.7 for macOS 10.9 or later.
Python for macOS consists of the Python programming language interpreter and its batteries-included standard library to allow easy access to macOS features. It also includes the Python integrated development environment, IDLE. You can also use the included pip to download and install third-party packages from the Python Package Index.
At the end of this install, click on Install Certificates to install a set of current SSL root certificates.
Go Back
Continue
Downloads
Favorites
Recents
Applications
Desktop
Documents
Name
Size
python-3.10.7-macos11.pkg
40.9 MB
Command_Line_Tools_for_Xcode_14_beta_5.dmg
755.2 MB
R-4.2.1.pkg
94 MB


Install R 4.2.1 for macOS
Welcome to the R 4.2.1 for macOS Installer
Introduction
Read Me
License
Destination Select
Installation Type
Installation
Summary
This installer will guide you through the steps necessary to setup R 4.2.1 (Funny-Looking Kid) for macOS 10.13 (High Sierra) or higher on your machine.
Go Back
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Applications
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Name
Size
python-3.10.7-macos11.pkg
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Command_Line_Tools_for_Xcode_14_beta_5.dmg
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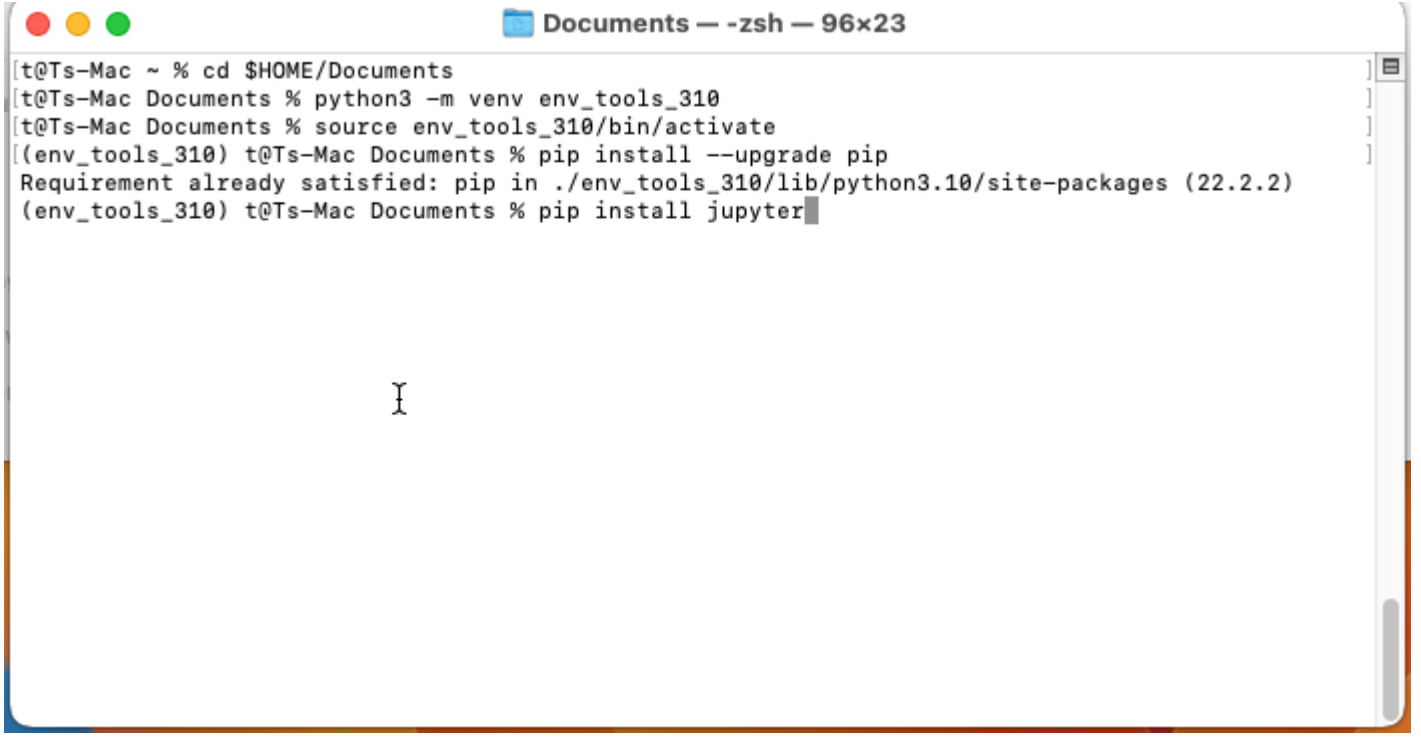
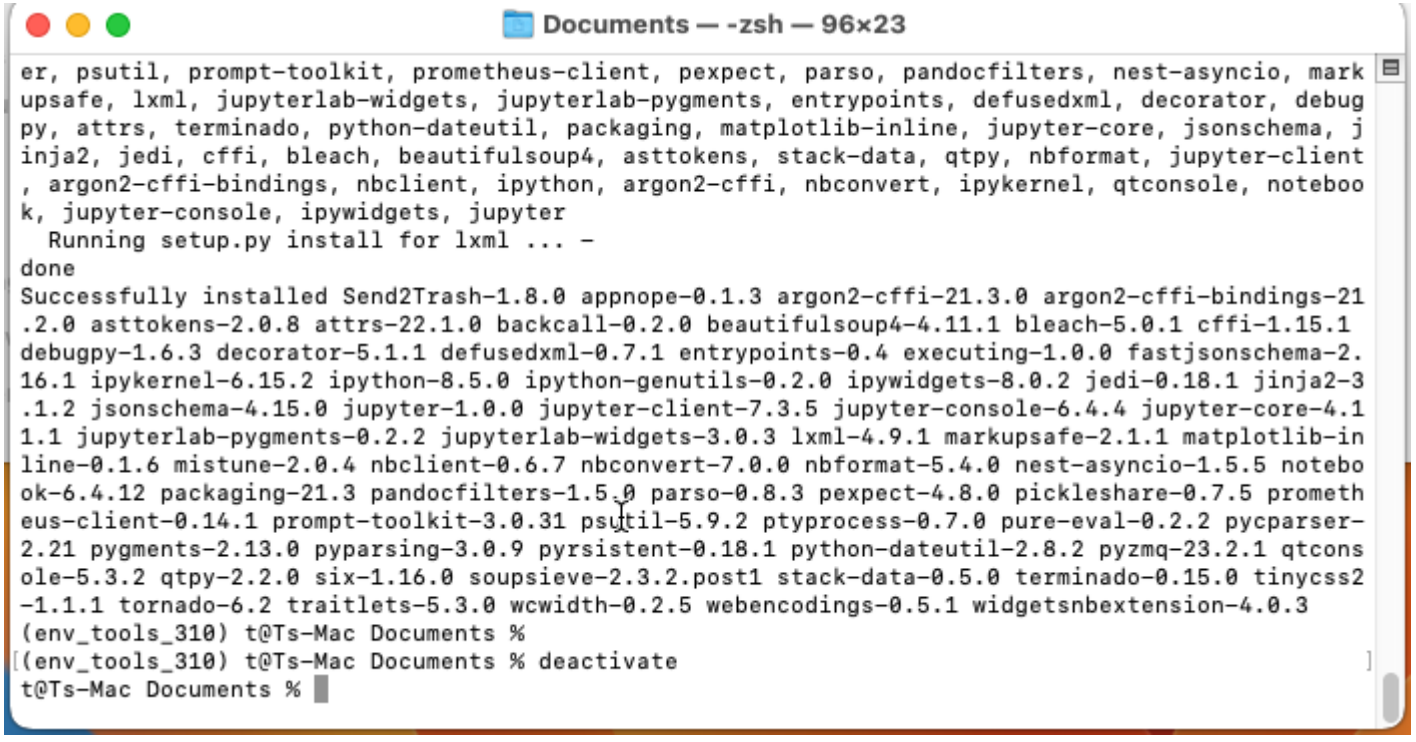
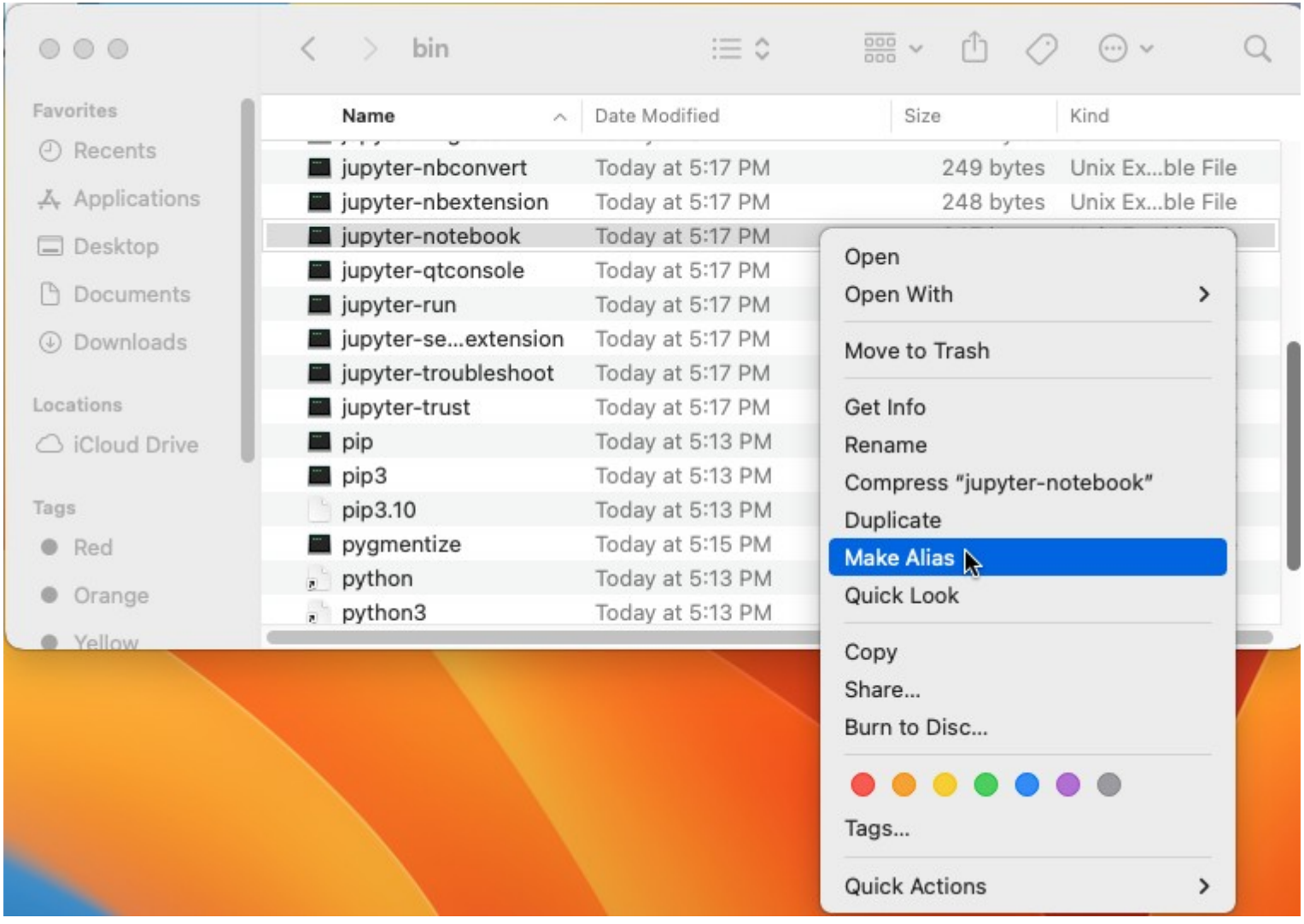
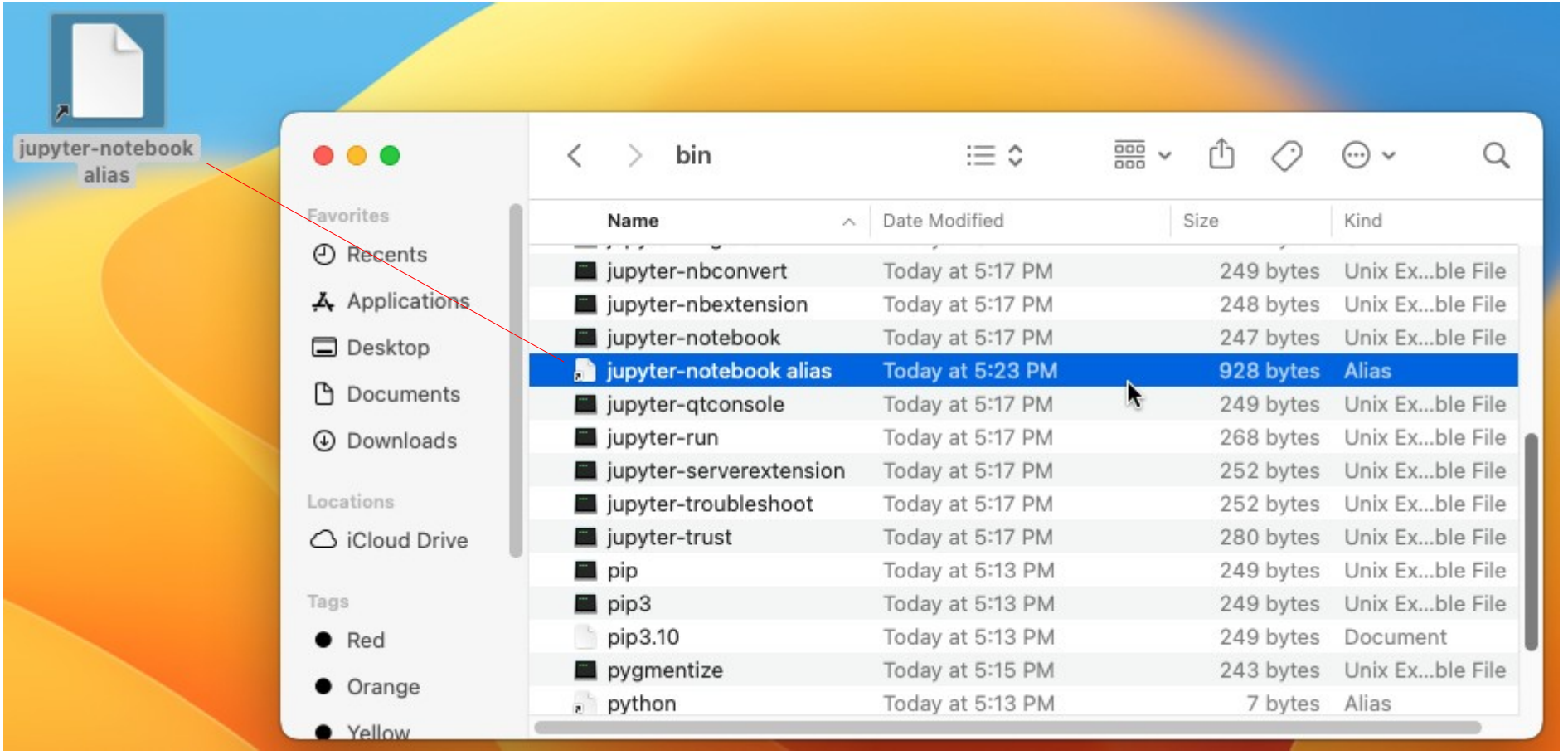
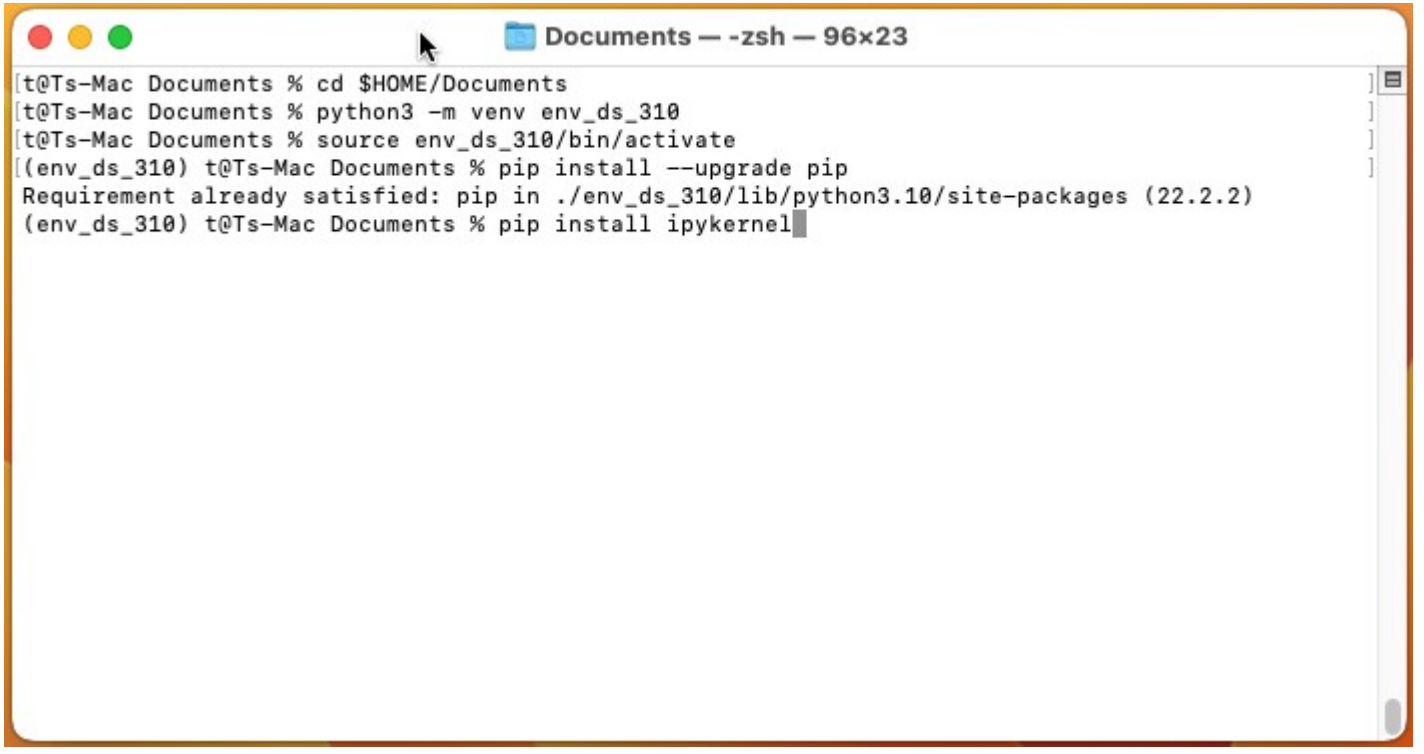
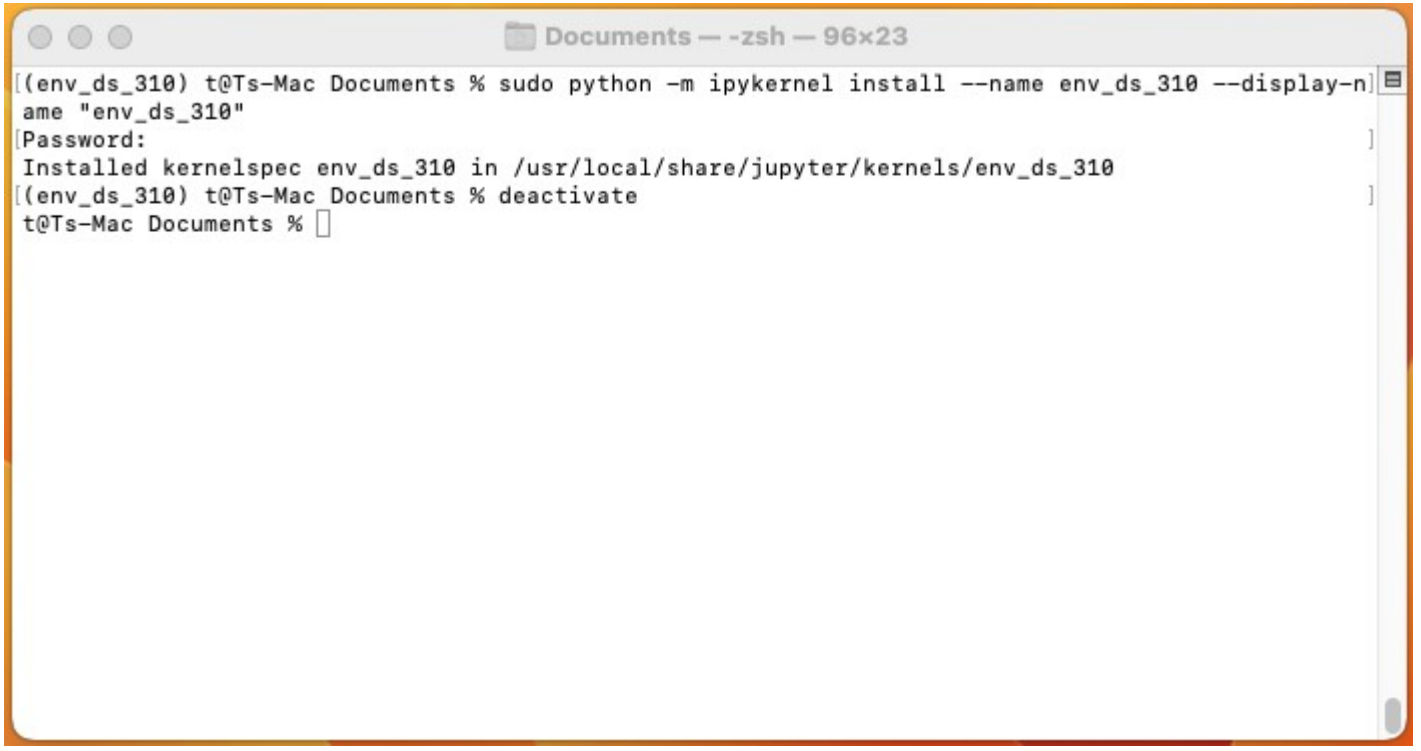

Documents — -zsh — 96×23
t@Ts-Mac ~ % cd $HOME/Documents
t@Ts-Mac Documents % python3 -m venv env_tools_310
t@Ts-Mac Documents % source env_tools_310/bin/activate
(env_tools_310) t@Ts-Mac Documents % pip install --upgrade pip
Requirement already satisfied: pip in ./env_tools_310/lib/python3.10/site-packages (22.2.2)
(env_tools_310) t@Ts-Mac Documents % pip install jupyter

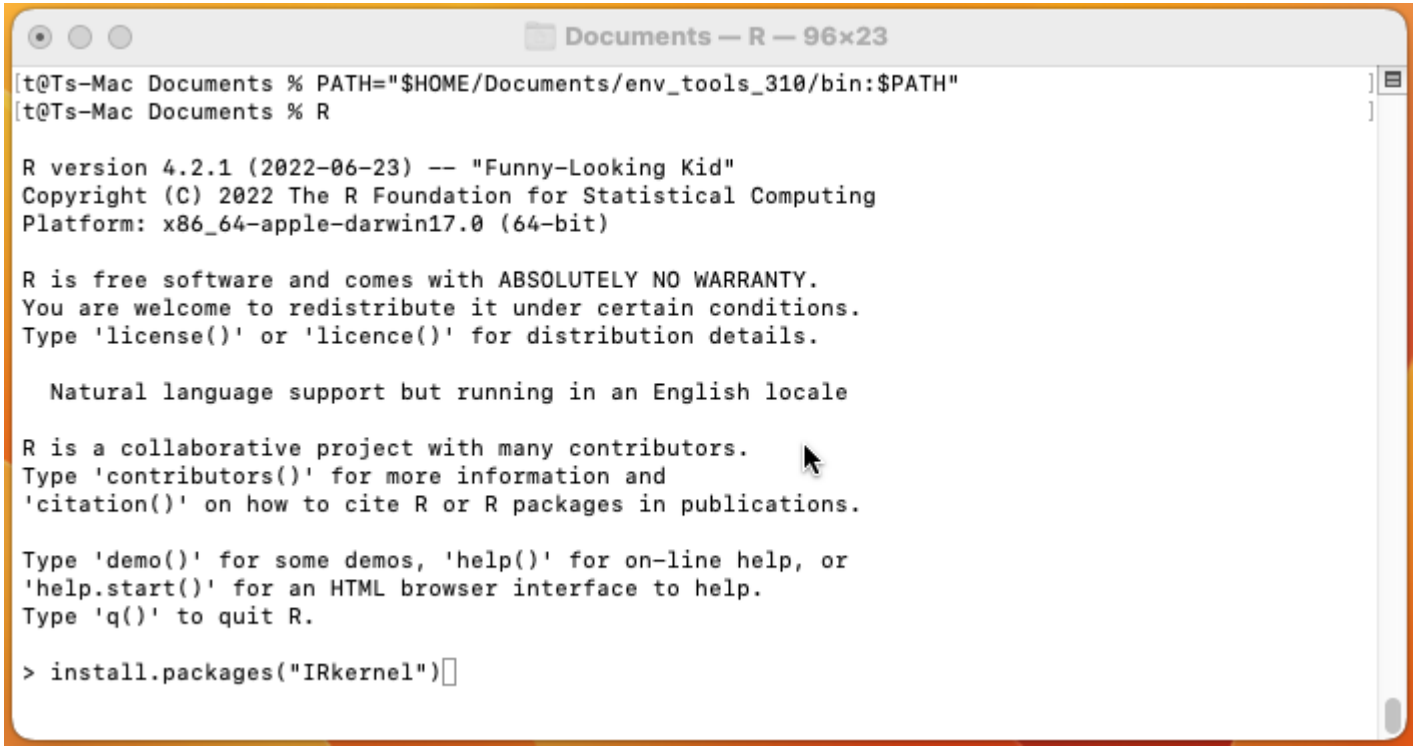

Documents — -zsh — 96×23
er, psutil, prompt-toolkit, prometheus-client, pexpect, parso, pandocfilters, nest-asyncio, mark
upsafe, lxml, jupyterlab-widgets, jupyterlab-pygments, entrypoints, defusedxml, decorator, debug
py, attrs, terminado, python-dateutil, packaging, matplotlib-inline, jupyter-core, jsonschema, j
inja2, jedi, cffi, bleach, beautifulsoup4, asttokens, stack-data, qtpy, nbformat, jupyter-client
, argon2-cffi-bindings, nbclient, ipython, argon2-cffi, nbconvert, ipykernel, qtconsole, noteboo
k, jupyter-console, ipywidgets, jupyter
Running setup.py install for lxml ... -
done
Successfully installed Send2Trash-1.8.0 appnope-0.1.3 argon2-cffi-21.3.0 argon2-cffi-bindings-21
.2.0 asttokens-2.0.8 attrs-22.1.0 backcall-0.2.0 beautifulsoup4-4.11.1 bleach-5.0.1 cffi-1.15.1
debugpy-1.6.3 decorator-5.1.1 defusedxml-0.7.1 entrypoints-0.4 executing-1.0.0 fastjsonschema-2.
16.1 ipykernel-6.15.2 ipython-8.5.0 ipython-genutils-0.2.0 ipywidgets-8.0.2 jedi-0.18.1 jinja2-3
.1.2 jsonschema-4.15.0 jupyter-1.0.0 jupyter-client-7.3.5 jupyter-console-6.4.4 jupyter-core-4.1
1.1 jupyterlab-pygments-0.2.2 jupyterlab-widgets-3.0.3 lxml-4.9.1 markupsafe-2.1.1 matplotlib-in
line-0.1.6 mistune-2.0.4 nbclient-0.6.7 nbconvert-7.0.0 nbformat-5.4.0 nest-asyncio-1.5.5 noteboo
k-6.4.12 packaging-21.3 pandocfilters-1.5.0 parso-0.8.3 pexpect-4.8.0 pickleshare-0.7.5 prometh
eus-client-0.14.1 prompt-toolkit-3.0.31 psutil-5.9.2 ptyprocess-0.7.0 pure-eval-0.2.2 pycparser-
2.21 pygments-2.13.0 pyparsing-3.0.9 pyrsistent-0.18.1 python-dateutil-2.8.2 pyzmq-23.2.1 qtcons
ole-5.3.2 qtpy-2.2.0 six-1.16.0 soupsieve-2.3.2.post1 stack-data-0.5.0 terminado-0.15.0 tinycss2
-1.1.1 tornado-6.2 traitlets-5.3.0 wcwidth-0.2.5 webencodings-0.5.1 widgetsnbextension-4.0.3
(env_tools_310) t@Ts-Mac Documents %
(env_tools_310) t@Ts-Mac Documents % deactivate
t@Ts-Mac Documents %

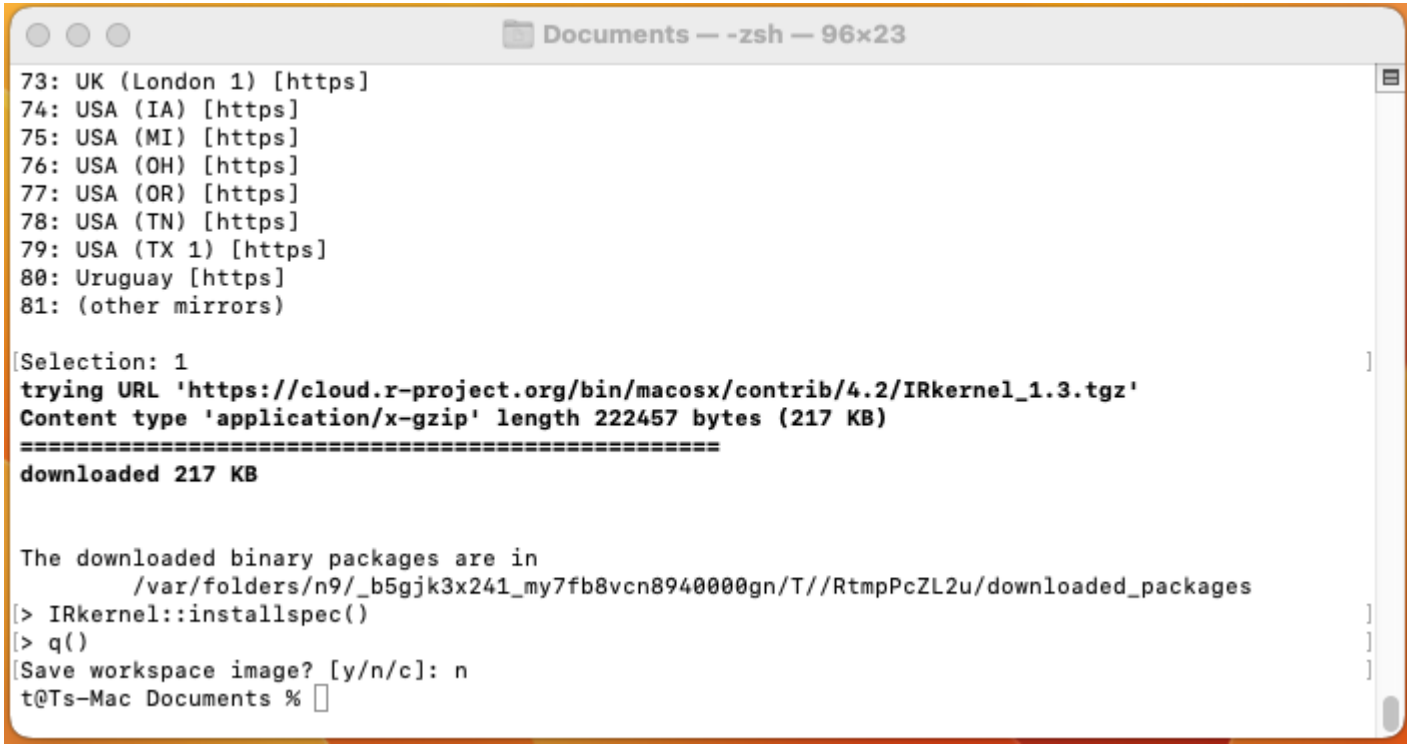

bin
Favorites
Recents
Applications
Desktop
Documents
Downloads
Locations
iCloud Drive
Tags
Red
Orange
Yellow
Name
Date Modified
Size
Kind
jupyter-nbconvert Today at 5:17 PM 249 bytes Unix Ex...ble File
jupyter-nbextension Today at 5:17 PM 248 bytes Unix Ex...ble File
jupyter-notebook Today at 5:17 PM
jupyter-qtconsole Today at 5:17 PM
jupyter-run Today at 5:17 PM
jupyter-se...extension Today at 5:17 PM
jupyter-troubleshoot Today at 5:17 PM
jupyter-trust Today at 5:17 PM
pip Today at 5:13 PM
pip3 Today at 5:13 PM
pip3.10 Today at 5:13 PM
pygmentize Today at 5:15 PM
python Today at 5:13 PM
python3 Today at 5:13 PM
Open
Open With
Move to Trash
Get Info
Rename
Compress "jupyter-notebook"
Duplicate
Make Alias
Quick Look
Copy
Share...
Burn to Disc...
Tags...
Quick Actions

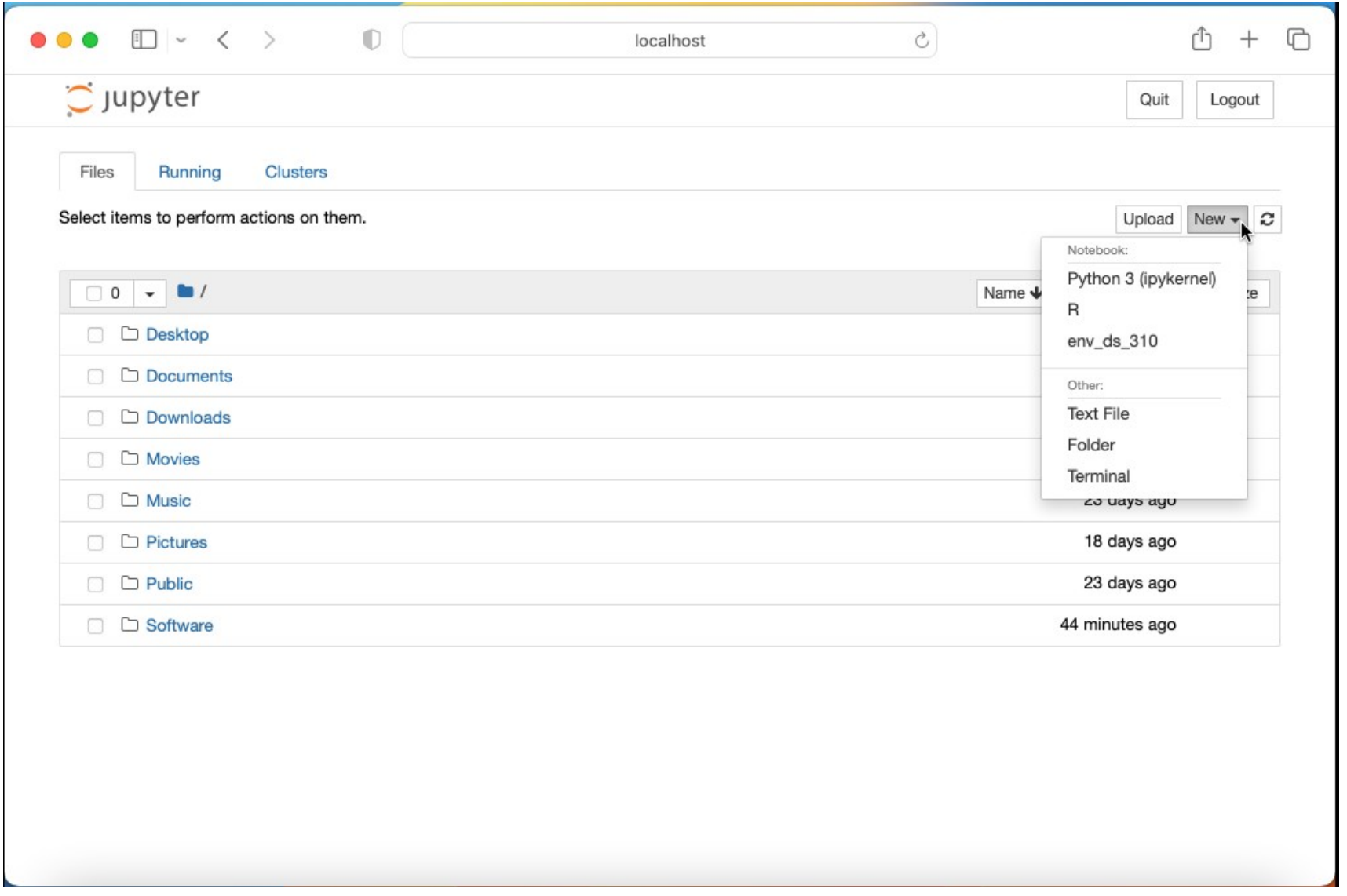

jupyter-notebook alias
bin
Favorites
Recents
Applications
Desktop
Documents
Downloads
Locations
iCloud Drive
Tags
Red
Orange
Yellow
Name
Date Modified
Size
Kind
jupyter-nbconvert Today at 5:17 PM 249 bytes Unix Ex...ble File
jupyter-nbextension Today at 5:17 PM 248 bytes Unix Ex...ble File
jupyter-notebook Today at 5:17 PM 247 bytes Unix Ex...ble File
jupyter-notebook alias Today at 5:23 PM 928 bytes Alias
jupyter-qtconsole Today at 5:17 PM 249 bytes Unix Ex...ble File
jupyter-run Today at 5:17 PM 268 bytes Unix Ex...ble File
jupyter-serverextension Today at 5:17 PM 252 bytes Unix Ex...ble File
jupyter-troubleshoot Today at 5:17 PM 252 bytes Unix Ex...ble File
jupyter-trust Today at 5:17 PM 280 bytes Unix Ex...ble File
pip Today at 5:13 PM 249 bytes Unix Ex...ble File
pip3 Today at 5:13 PM 249 bytes Unix Ex...ble File
pip3.10 Today at 5:13 PM 249 bytes Document
pygmentize Today at 5:15 PM 243 bytes Unix Ex...ble File
python Today at 5:13 PM 7 bytes Alias


Documents — -zsh — 96×23
t@Ts-Mac Documents % cd $HOME/Documents
t@Ts-Mac Documents % python3 -m venv env_ds_310
t@Ts-Mac Documents % source env_ds_310/bin/activate
(env_ds_310) t@Ts-Mac Documents % pip install --upgrade pip
Requirement already satisfied: pip in ./env_ds_310/lib/python3.10/site-packages (22.2.2)
(env_ds_310) t@Ts-Mac Documents % pip install ipykernel


Documents — -zsh — 96×23
(env_ds_310) t@Ts-Mac Documents % sudo python -m ipykernel install --name env_ds_310 --display-name "env_ds_310"
Password:
Installed kernelspec env_ds_310 in /usr/local/share/jupyter/kernels/env_ds_310
(env_ds_310) t@Ts-Mac Documents % deactivate
t@Ts-Mac Documents %


Documents — R — 96×23
t@Ts-Mac Documents % PATH="$HOME/Documents/env_tools_310/bin:$PATH"
t@Ts-Mac Documents % R
R version 4.2.1 (2022-06-23) -- "Funny-Looking Kid"
Copyright (C) 2022 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin17.0 (64-bit)
R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.
Natural language support but running in an English locale
R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.
Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
> install.packages("IRkernel")


Documents — -zsh — 96×23
73: UK (London 1) [https]
74: USA (IA) [https]
75: USA (MI) [https]
76: USA (OH) [https]
77: USA (OR) [https]
78: USA (TN) [https]
79: USA (TX 1) [https]
80: Uruguay [https]
81: (other mirrors)
Selection: 1
trying URL 'https://cloud.r-project.org/bin/macosx/contrib/4.2/IRkernel_1.3.tgz'
Content type 'application/x-gzip' length 222457 bytes (217 KB)
==
downloaded 217 KB
The downloaded binary packages are in
/var/folders/n9/_b5gjk3x241_my7fb8vcn8940000gn/T//RtmpPcZL2u/downloaded_packages
> IRkernel::installspec()
> q()
Save workspace image? [y/n/c]: n
t@Ts-Mac Documents %


localhost
jupyter
Quit
Logout
Files
Running
Clusters
Select items to perform actions on them.
Upload
New
Notebook:
Python 3 (ipykernel)
R
env_ds_310
Other:
Text File
Folder
Terminal
0
/
Name
Desktop
Documents
Downloads
Movies
Music
Pictures
18 days ago
Public
23 days ago
Software
44 minutes ago