

colab.research.google.com/drive/1eiWzi-kIBkpxfS8NAKliZbPOT21Ngdab

Siva Buthada_121310156_Pandas.ipynb

File Edit View Insert Runtime Tools Help Last saved at 7:59 PM

+ Code + Text

You are only allowed to use "<https://pandas.pydata.org/docs/index.html>" for any code help

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Follow the below steps:

Step 1. Import the necessary libraries

```
[ ] import pandas as pd
```

Step 2. Download and. then Import the dataset.

```
[ ] import pandas as pd

df = pd.read_csv('sweetgreen.tsv', sep='\t')
df.head(5)
```

	order_id	quantity	item_name	choice_description	item_price
0	1	1	Chips and Fresh Tomato Salsa	NaN	\$2.39
1	1	1	Izze	[Clementine]	\$3.39
2	1	1	Nantucket Nectar	[Apple]	\$3.39
3	1	1	Chips and Tomatillo-Green Chili Salsa	NaN	\$2.39
4	2	2	Chicken Bowl [Tomatillo-Red Chili Salsa (Hot), [Black Beans...		\$16.98

Step 3. Assion it to a variable called screen.

Sai007-Git/my_file_data602 x 1 - JupyterLab x how to open terminal in jupyter x DATA602_FardinaAlam/HW0 at x docker

127.0.0.1:8888/lab

File Edit View Run Kernel Tabs Settings Help

Filter files by name

Name	Last Modified
notebooks	31 minutes ago
work	3 years ago
test-1.ipynb	9 minutes ago

test-1.ipynb

jovyan@ad639f36bc2d: ~

```
(base) jovyan@ad639f36bc2d:~$ ls
notebooks test-1.ipynb work
(base) jovyan@ad639f36bc2d:~$
```

docker desktop PERSONAL

Containers

Windows PowerShell

```
PS C:\Users\kenth> docker pull jmct/cm320
Using default tag: latest
latest: Pulling from jmct/cm320
ea362f368469: Pull complete
1c2cc406fa63: Pull complete
669dbb3f6366: Pull complete
3923f6dc3607: Pull complete
d5da9a60f95b: Pull complete
78722f61458a: Pull complete
22fcb8493b45: Pull complete
e43cca32fa72: Pull complete
d6e059957f76: Pull complete
d0e1ac402506: Pull complete
662ccc5dfe9c: Pull complete
2c1cefff5d33: Pull complete
765c927f13aa: Pull complete
804a28304e2b: Pull complete
a702bc58bb3e: Pull complete
3da5ff2c18c0: Pull complete
31672a808059: Pull complete
aff60bcd014a: Pull complete
35ff0403f12a: Pull complete
Digest: sha256:d79e3ab98e3bc708c98fab6786f207a6e383e39d9dbb4b9246b4bbb38e32643a
Status: Downloaded newer image for jmct/cm320:latest
docker.io/jmct/cm320:latest

What's next:
View a summary of image vulnerabilities and recommendations → docker scout quickview jmct/cm320
PS C:\Users\kenth>
```

hub.docker.com/r/jmct/cm320

jmct/cm320

By jmct • Updated over 2 years ago

Image that has all libraries needed for UMD's CMSC 320. <https://cm320.github.io>

No overview available

This repository doesn't have an overview

Browser tabs: elms - Yah, HW0 - Set, DATA602, jmc/cms, ChatGPT, github - Y, Sai007-Git, JupyterLab

Address bar: 127.0.0.1:8888/lab

Menu: File Edit View Run Kernel Tabs Settings Help

Launcher

Filter files by name

Name	Last Modified
/	
notebooks	5 minutes ago
work	3 years ago

Notebook

Python 3 (ipykernel)

Console

Python 3 (ipykernel)

Other

Terminal Text File Markdown File Python File Show Contextual Help

localhost:8888/notebooks/my_file_data602/new_python.ipynb

jupyter new_python Last Checkpoint: 2 days ago

File Edit View Run Kernel Settings Help

Code

```
[2]: print('hello world')
hello world
```

[]:

localhost:8888/notebooks/my_file_data602/new_python.ipynb

jupyter new_python Last Checkpoint: 2 days ago

File Edit View Run Kernel Settings Help Trusted

JupyterLab Python 3 (ipykernel)

```
[2]: print('hello world')
hello world

[3]: import torch

[4]: print(torch.__version__)
2.4.1+cu118

[ ]:
```

Windows PowerShell

Windows PowerShell

Windows PowerShell

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

```
PS C:\Users\kenth> docker container ls
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
ad639f36bc2d   jmct/cm3c320  "tini -g -- start-no..." 13 minutes ago Up 13 minutes  0.0.0.0:8888->8888/tcp   eloquen
t_bose
```

PS C:\Users\kenth>

```

PS C:\Users\kenth> cd .\my_file_data602\
PS C:\Users\kenth\my_file_data602> docker run -it -v ${PWD}/project0:/home/jovyan/notebooks --rm -p 8888:8888 jmct/cmsc320
Entered start.sh with args: jupyter lab
Executing the command: jupyter lab
[I 2024-09-08 20:31:49.737 ServerApp] jupyterlab | extension was successfully linked.
[W 2024-09-08 20:31:49.744 NotebookApp] 'ip' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
[W 2024-09-08 20:31:49.744 NotebookApp] 'port' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
[W 2024-09-08 20:31:49.744 NotebookApp] 'port' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
[I 2024-09-08 20:31:49.762 ServerApp] Writing Jupyter server cookie secret to /home/jovyan/.local/share/jupyter/runtime/jupyter_cookie_secret
[I 2024-09-08 20:31:50.029 ServerApp] nbclassic | extension was successfully linked.
[I 2024-09-08 20:31:50.067 ServerApp] nbclassic | extension was successfully loaded.
[I 2024-09-08 20:31:50.069 LabApp] JupyterLab extension loaded from /opt/conda/lib/python3.9/site-packages/jupyterlab
[I 2024-09-08 20:31:50.069 LabApp] JupyterLab application directory is /opt/conda/share/jupyter/lab
[I 2024-09-08 20:31:50.077 ServerApp] jupyterlab | extension was successfully loaded.
[I 2024-09-08 20:31:50.077 ServerApp] Serving notebooks from local directory: /home/jovyan
[I 2024-09-08 20:31:50.078 ServerApp] Jupyter Server 1.13.4 is running at:
[I 2024-09-08 20:31:50.078 ServerApp] http://2715a8f9d824:8888/lab?token=3e477d71177834a6008b1ebd6f9ee90868c36e09224e7d70
[I 2024-09-08 20:31:50.078 ServerApp] or http://127.0.0.1:8888/lab?token=3e477d71177834a6008b1ebd6f9ee90868c36e09224e7d70
[I 2024-09-08 20:31:50.079 ServerApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 2024-09-08 20:31:50.086 ServerApp]

To access the server, open this file in a browser:
file:///home/jovyan/.local/share/jupyter/runtime/jpserver-7-open.html
Or copy and paste one of these URLs:
http://2715a8f9d824:8888/lab?token=3e477d71177834a6008b1ebd6f9ee90868c36e09224e7d70
or http://127.0.0.1:8888/lab?token=3e477d71177834a6008b1ebd6f9ee90868c36e09224e7d70
[I 2024-09-08 20:32:04.548 LabApp] Build is up to date

```

The screenshot displays the JupyterLab web interface. The browser's address bar shows the URL `127.0.0.1:8888/lab`. The interface features a top menu bar with options: File, Edit, View, Run, Kernel, Tabs, Settings, and Help. On the left, a file browser pane shows the directory structure with 'notebooks' and 'work' folders. The main area is titled 'Launcher' and contains several interactive elements: a 'Notebook' icon, a 'Console' icon, and an 'Other' section with icons for Terminal, Text File, Markdown File, Python File, and Show Contextual Help. The interface is clean and modern, with a light gray background and blue accents.