

Submission

Ningqi Wang, ningqi@andrew.cmu.edu

```
1 C:\Win... 2 jake@... 3 jake@... 4 jake@... 5 root@...
PS D:\Git\14848-CloudInfra-HW2\Docker\second> docker pull mcr.microsoft.com/mmlspark/release
Using default tag: latest
latest: Pulling from mmlspark/release
Digest: sha256:b391b99e8d753f93b0f9828fc0517b002176232a2adcd04e6e3626b381916738
Status: Image is up to date for mcr.microsoft.com/mmlspark/release:latest
mcr.microsoft.com/mmlspark/release:latest
PS D:\Git\14848-CloudInfra-HW2\Docker\second> docker run -it -p 8888:8888 -e ACCEPT_EULA=yes mcr.microsoft.com/mmlspark/release
root@4261434131ad:/notebooks# jupyter notebook
[I 23:34:38.511 NotebookApp] Writing notebook server cookie secret to /root/.local/share/jupyter/runtime/notebook_cookie_secret
[W 23:34:38.641 NotebookApp] All authentication is disabled. Anyone who can connect to this server will be able to run code.
[I 23:34:38.642 NotebookApp] Serving notebooks from local directory: /notebooks
[I 23:34:38.642 NotebookApp] Jupyter Notebook 6.1.4 is running at:
[I 23:34:38.642 NotebookApp] http://4261434131ad:8888/
[I 23:34:38.642 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[W 23:34:38.645 NotebookApp] No web browser found: could not locate runnable browser.
[I 23:34:45.333 NotebookApp] 302 GET / (172.17.0.1) 0.55ms
[]
```

The screenshot shows the Jupyter Notebook web interface. On the left is a file browser sidebar with a 'Home Page - Select or create a notebook' tab. The main area displays a list of notebooks under the 'Files' tab. The notebooks are listed in a table with columns for Name, Last Modified, and File size. The notebooks are sorted by last modified time, showing they were all created 'a year ago'.

Name	Last Modified	File size
AzureSearchIndex - Met Artworks.ipynb	a year ago	5.53 kB
Classification - Adult Census with Vowpal Wabbit.ipynb	a year ago	4.83 kB
Classification - Adult Census.ipynb	a year ago	3.42 kB
Classification - Before and After MMLSpark.ipynb	a year ago	10 kB
Classification - Twitter Sentiment with Vowpal Wabbit.ipynb	a year ago	11.4 kB
CognitiveServices - Celebrity Quote Analysis.ipynb	a year ago	7.01 kB
ConditionalKNN - Exploring Art Across Cultures.ipynb	a year ago	11.5 kB
DeepLearning - BiLSTM Medical Entity Extraction.ipynb	a year ago	11.4 kB
DeepLearning - CIFAR10 Convolutional Network.ipynb	a year ago	4.39 kB
DeepLearning - Flower Image Classification.ipynb	a year ago	5.98 kB
DeepLearning - Transfer Learning.ipynb	a year ago	3.72 kB
HttpOnSpark - Working with Arbitrary Web APIs.ipynb	a year ago	2.31 kB
HyperParameterTuning - Fighting Breast Cancer.ipynb	a year ago	4.57 kB
LightGBM - Quantile Regression for Drug Discovery.ipynb	a year ago	4.27 kB
ModelInterpretation - Snow Leopard Detection.ipynb	a year ago	10.5 kB
OpenCV - Pipeline Image Transformations.ipynb	a year ago	7.16 kB