Introduction to Data Wrangling with Jupyter Notebooks

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http://bit.ly/spectra-ibm https://slides.com/upkar/jupyter

Prerequisites

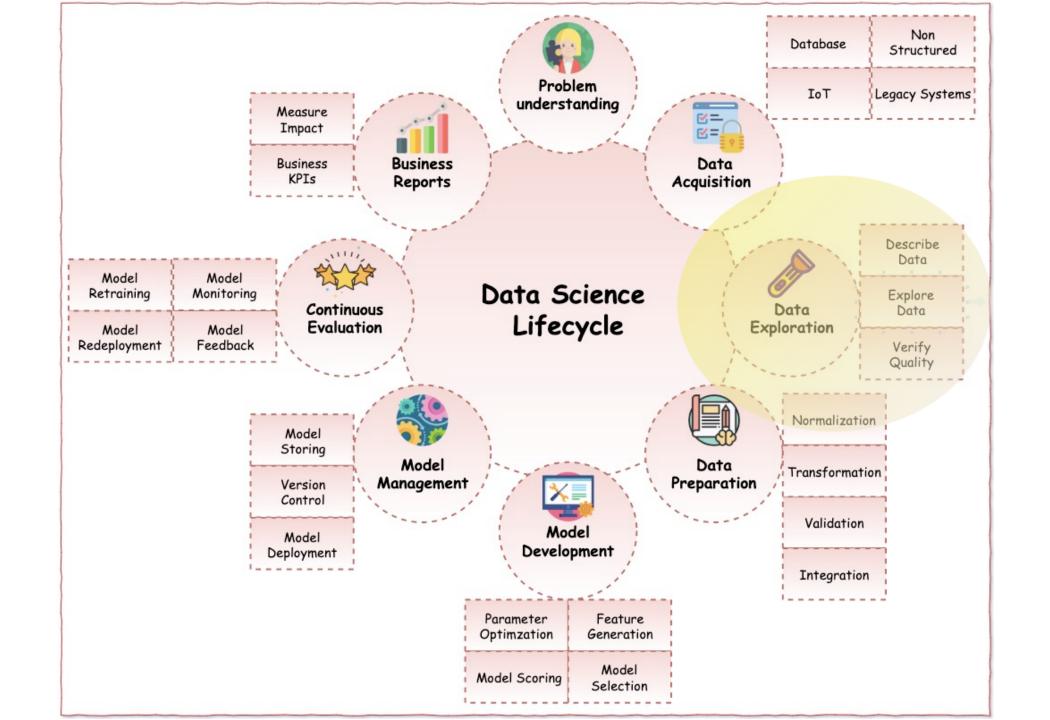
1. Create IBM Cloud Account using THIS URL

http://bit.ly/spectra-ibm

2. Check your email and activate your account. Once activated, log back into your IBM Cloud account using the link above.

3. If you already have an account, use the above URL to sign into your IBM Cloud account.

Lifecycle Science Data



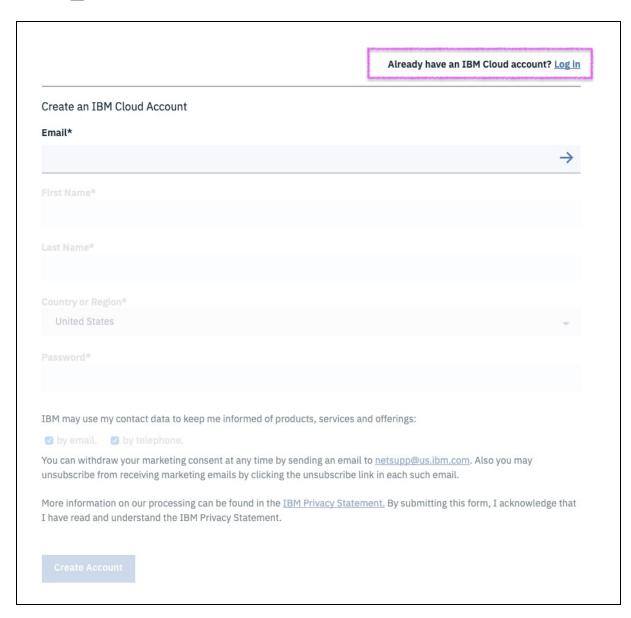
Workshop - Goals

Get acquainted with Pandas and Jupyter Notebooks on the cloud and analyze a movies dataset!

Steps

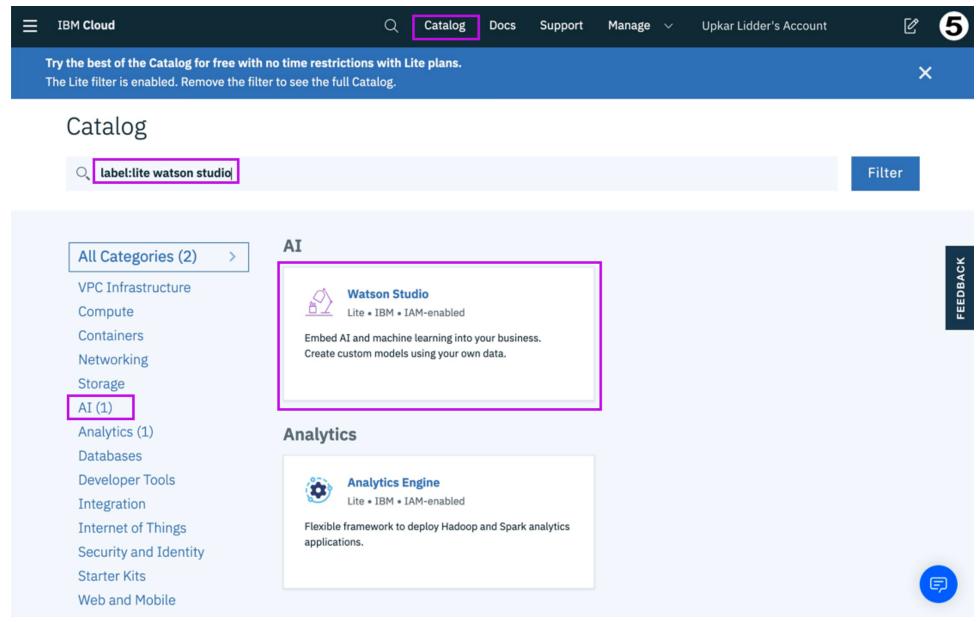
- 1. Sign up / Log into *IBM Cloud* http://bit.ly/spectra-ibm
- 2. Create a Watson Studio Service
- 3. Create a *new project*
- 4. Import the sample notebook to your project
- 5. *RUN* the cells and explore data!

Step 1 - sign up/ log into IBM Cloud

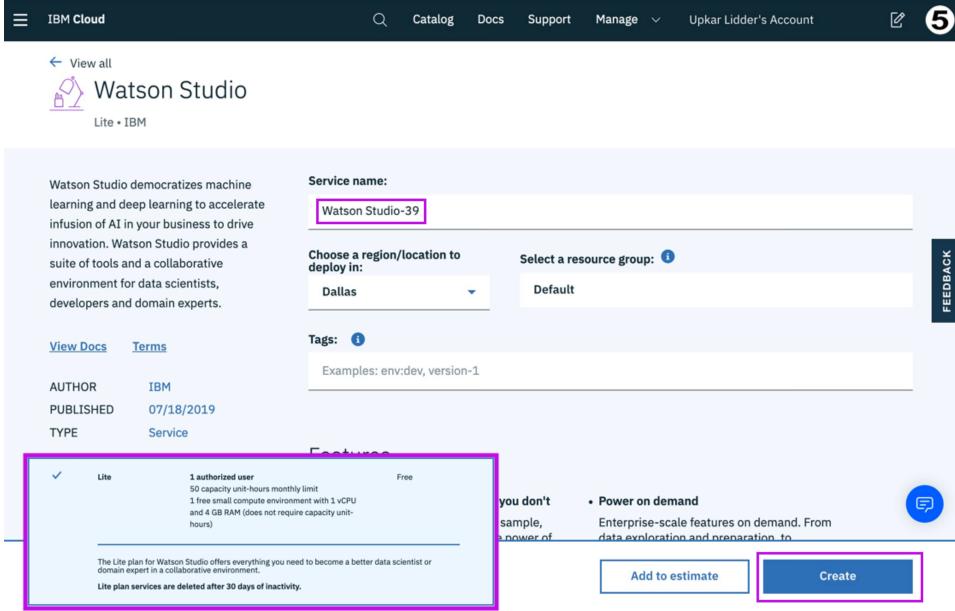


http://bit.ly/spectra-ibm

Step 2 - locate Watson Studio in the catalog

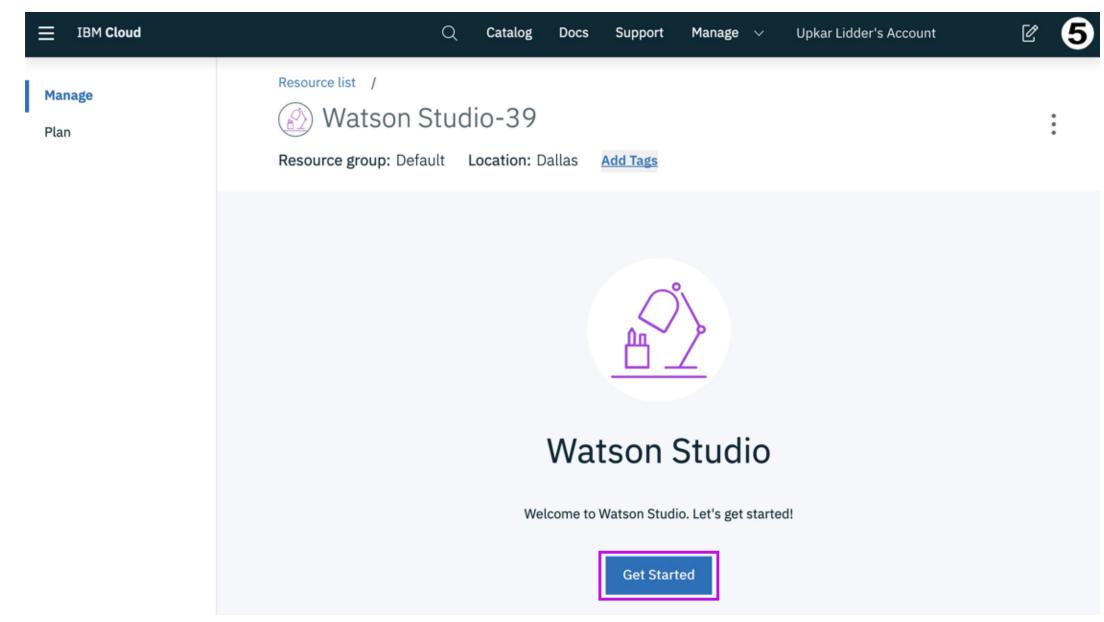


Step 3 - create new watson studio service

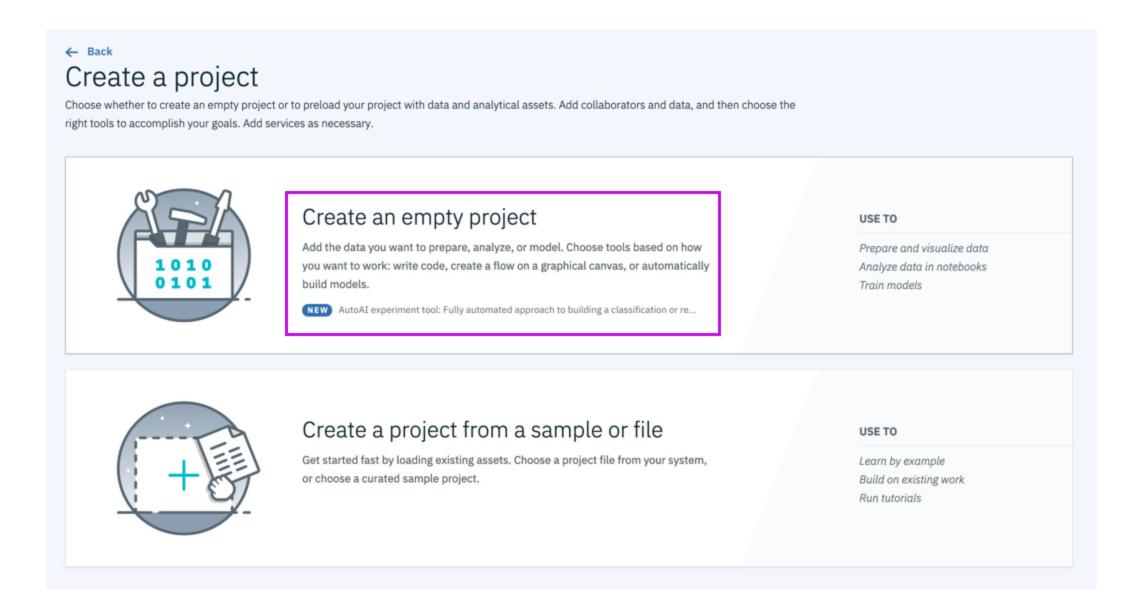


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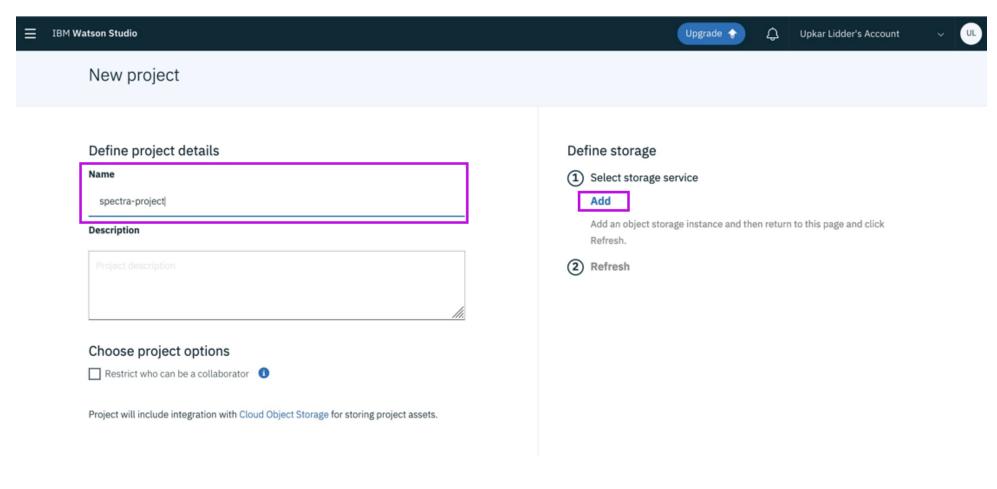
Step 4 - launch Watson Studio



Step 5 - create new project and pick empty template



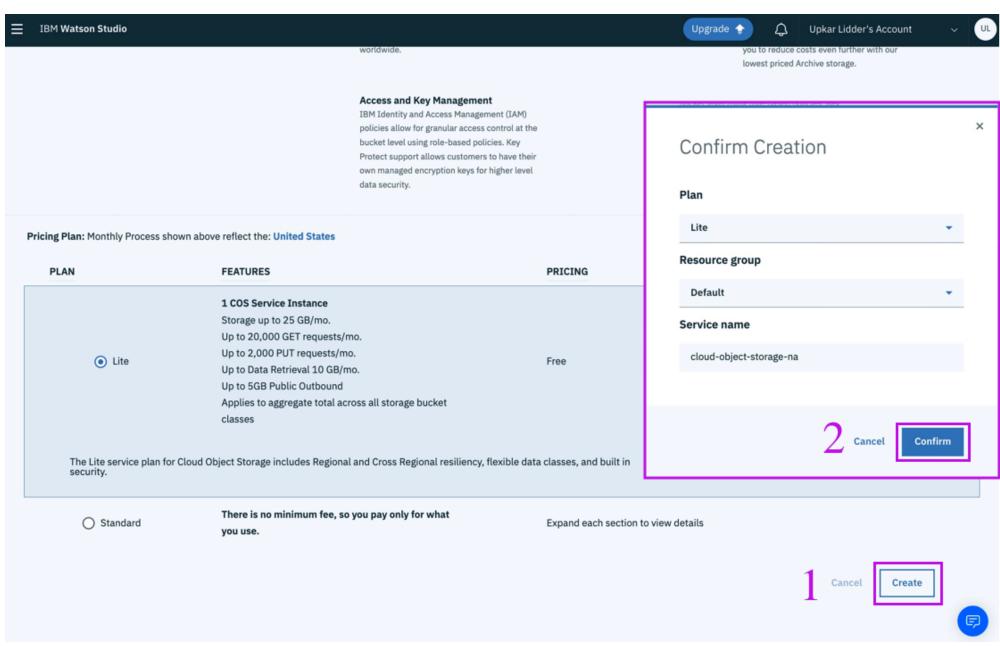
Step 6a - name your project and create storage service



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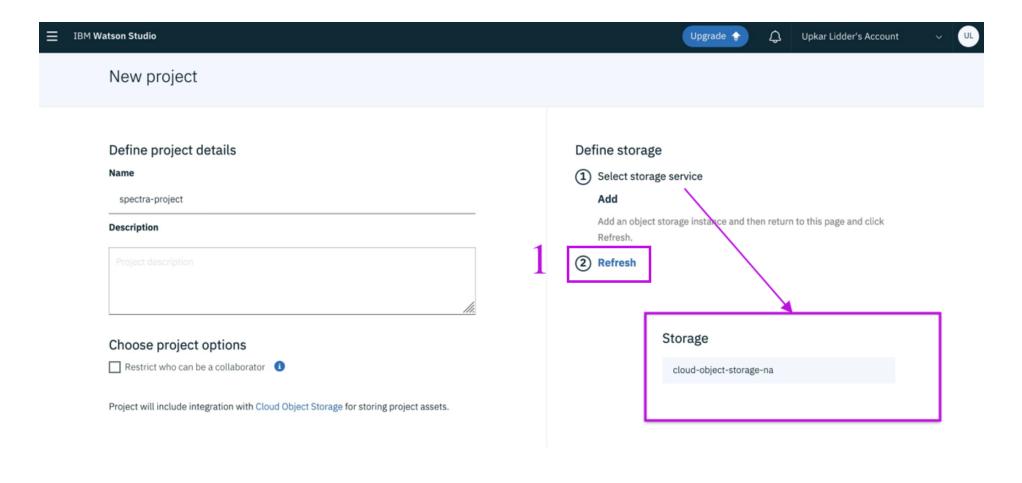
Cancel

Step 6b - add storage opens a new page



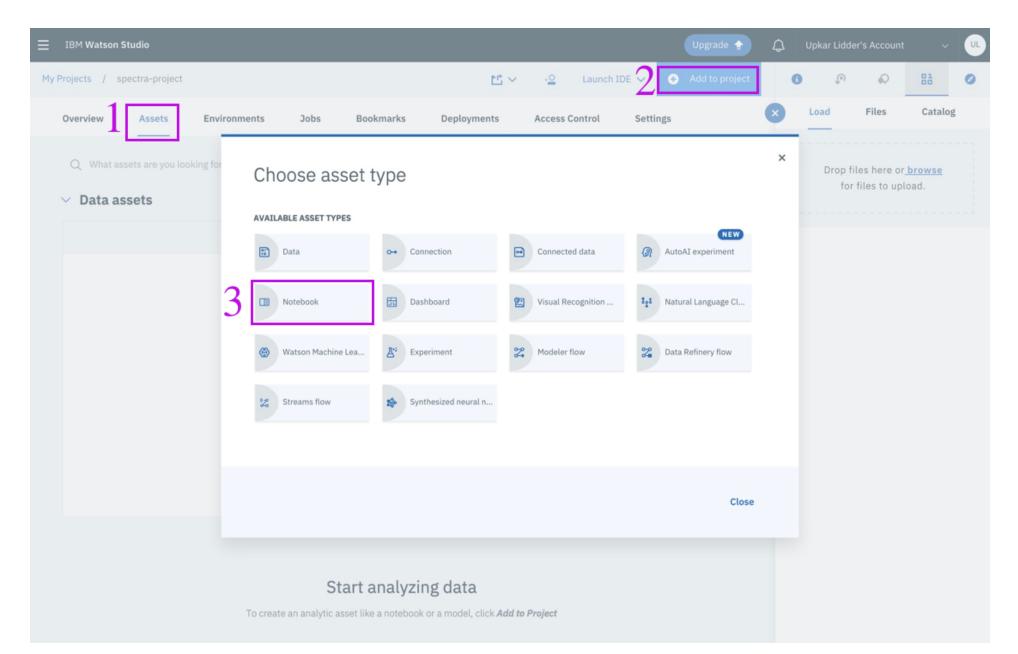
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Step 6c - you will be taken back to the first page after storage

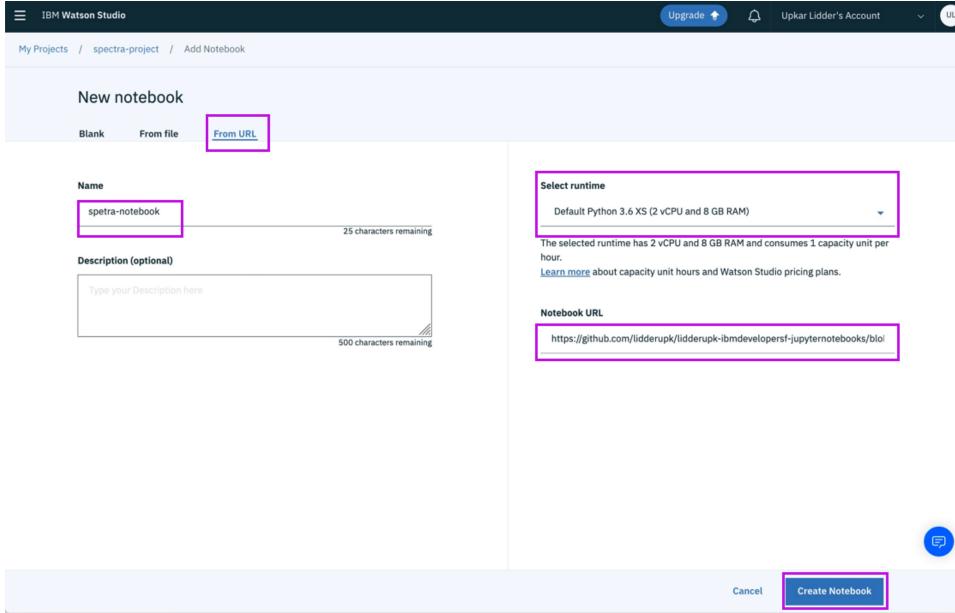




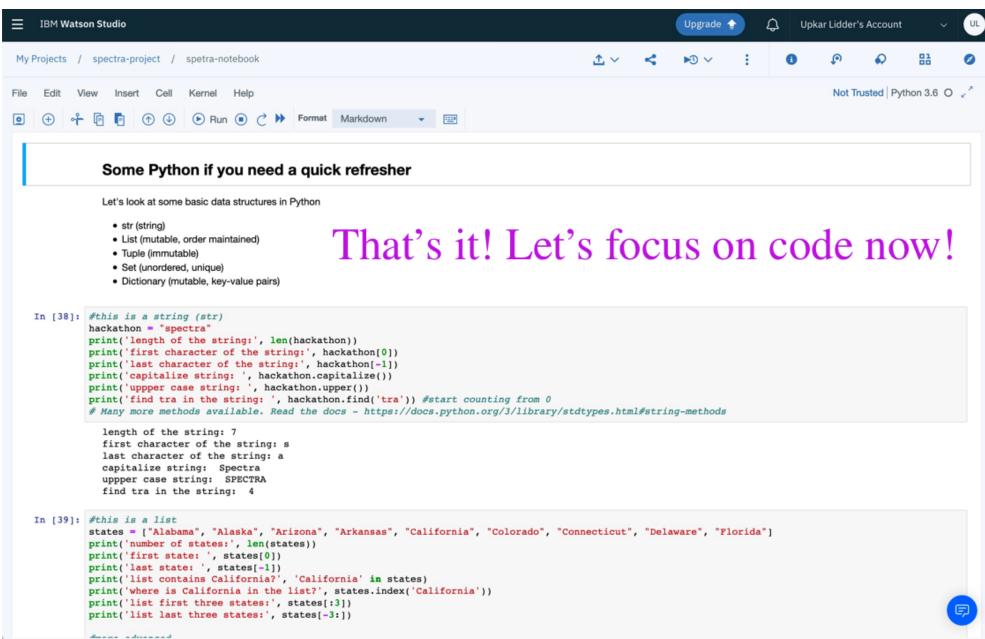
Step 7 - add notebook feature to your project



Step 8 - import notebook, get link from github



Step 9 - Let's look at data now!



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Some links for the workshop

IBM Cloud account - http://bit.ly/spectra-ibm

Jupyter Notebook - https://github.com/lidderupk/lidderupk-ibmdevelopersf-jupyternotebooks/blob/master/asset/spectra-pandas.ipynb

Datasets

- Casts https://ibm.box.com/shared/static/569iue5znz5angfxaaojbd7olgegk0bz.csv
- Release Dates https://ibm.box.com/shared/static/fxu6rhfktvjs0uvgtbhjsp5g5k9qgjh1.csv
- Titles https://ibm.box.com/shared/static/cw3wqtzuljiyqz4kbuk26ojrrm9rzfow.csv
- Film Locations https://ibm.box.com/shared/static/kcot1vu0r1tusff85m5shrr7ehsee8np.csv

Workshop Github - https://github.com/lidderupk/lidderupk-ibmdevelopersf-jupyternotebooks

Some links to get data

US Government Open Data - https://www.data.gov/

San Francisco Open Data - https://datasf.org/opendata/

IBM Data Asset eXchange - https://developer.ibm.com/exchanges/data/

Kaggle Datasets - https://www.kaggle.com/datasets

Google Datasets - https://cloud.google.com/public-datasets/

Curated on Github - https://github.com/awesomedata/awesome-public-datasets **Ryan Anderson Blog** - https://dreamtolearn.com/ryan/1001 datasets

07.26.19

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Thank you

Let's chat!

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