

Lab: Getting Started with Watson Studio

Nov 14th, 2018

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Overview

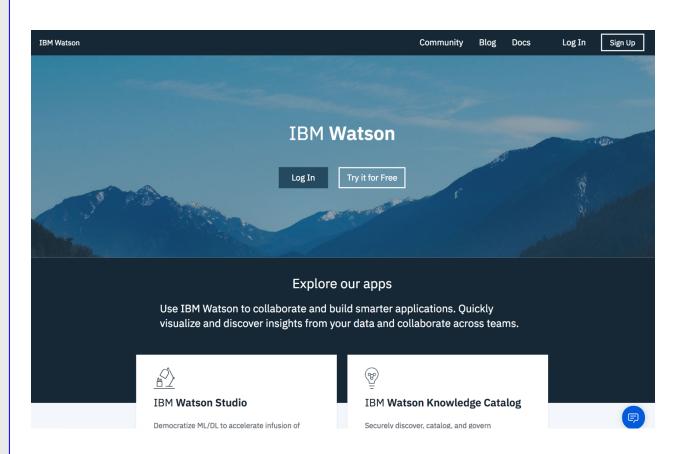
In this lab you will learn how to navigate within Watson Studio and create a new Project.

Required software, access, and files

- To complete this lab, you will need access to a Watson Studio.
- You will also need to download and unzip this GitHub repository: https://github.com/fabioflima/WS Workshop

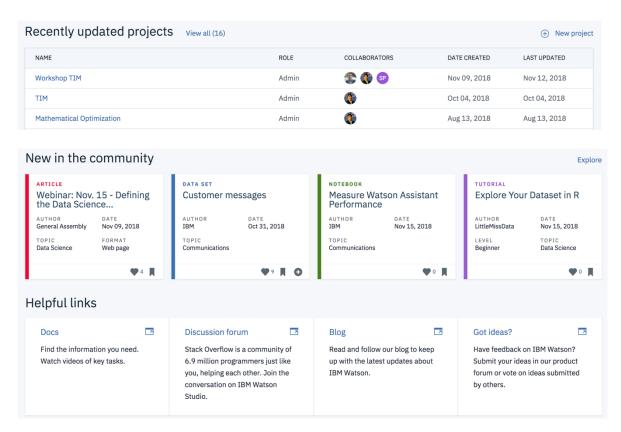
Part 1: Login to Watson Studio

- In a Firefox or Chrome browser, go to: https://dataplatform.cloud.ibm.com/home?context=analytics
- 2. Click "Log In" or "Sign up" to sign up for an account.

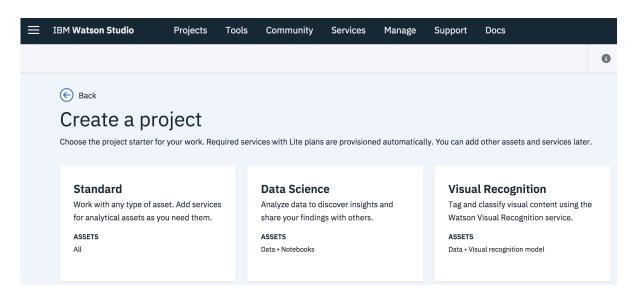




- 3. Sign into Watson Studio with your username
- 4. In the landing page, explore the Community and View Projects

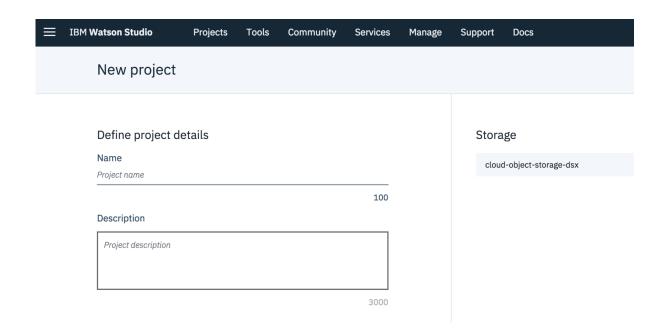


5. Click "New Project" to create a "Standard" new project.

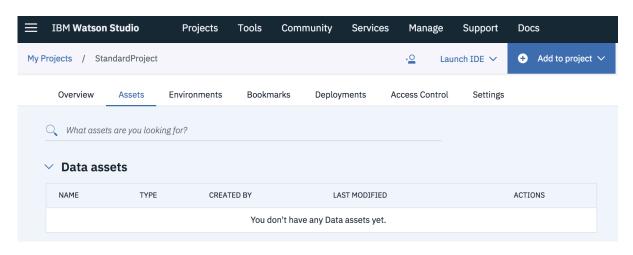




6. Type "Name" and "Description" to the new project. Click Create.



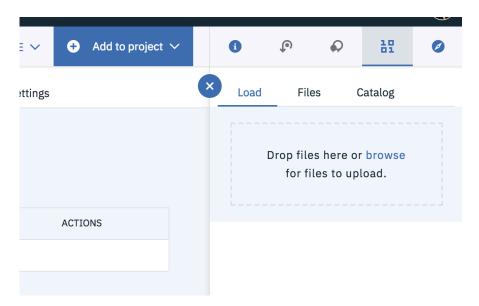
7. Click "Assets" to see all the assets in the project



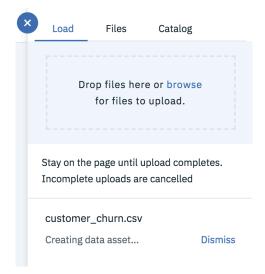


8. Click "browser" or Drop or file to upload a csv file into Watson Studio.

Case the Find and add data its closed, click **New data asset** to open it.



9. Load the *customer_churn.csv*



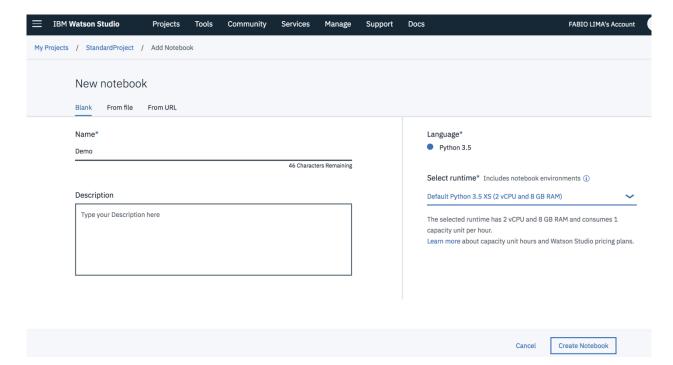




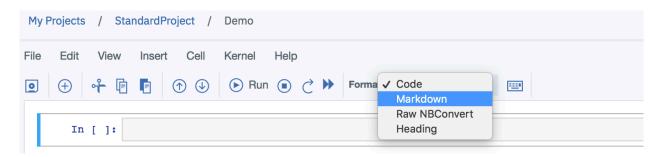
Part 2: Create a Jupyter Notebook

1. Within the project you have created in Part 1, click "Add to project", and select "notebook" to add a blank notebook.

Add a Name, Take the default settings and click "Create Notebook"



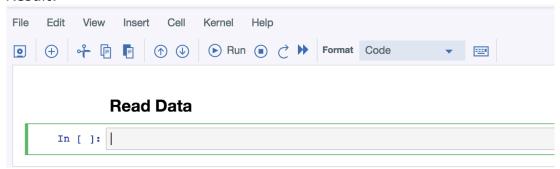
2. Define a **markdown** cell: place the cursor in the first code cell and change the cell type to **markdown**.



Enter ## Read Data into the markdown cell and click the run icon.

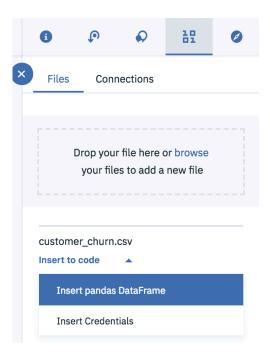


Result:



Markdown cheatsheet: https://datascience.ibm.com/docs/content/analyze-data/markd-jupyter.html?context=analytics

3. **Read data** into the notebook: Click the "**Find and add data**" icon, click **insert to code** to insert the data as a Pandas dataframe. This will generate the code to read the data for further processing in the notebook.



4. Run the generated code cell



Read Data

Out[1]:

	CHURN	Gender	Status	Children	Estincome	CarOwner	Age	LongDistance	International	Local	Dropped	Paymethod	LocalBilltyp
() Т	F	s	1	38000.00	N	24	23.56	0.0	206.08	0	CC	Budge
	F	М	М	2	29616.00	N	49	29.78	0.0	45.50	0	CH	FreeLoc
:	. F	М	М	0	19732.80	N	50	24.81	0.0	22.44	0	CC	FreeLoc
;	F F	М	s	2	96.33	N	56	26.13	0.0	32.88	1	CC	Budge
	F	F	М	2	52004.80	N	25	5.03	0.0	23.11	0	CH	Budge