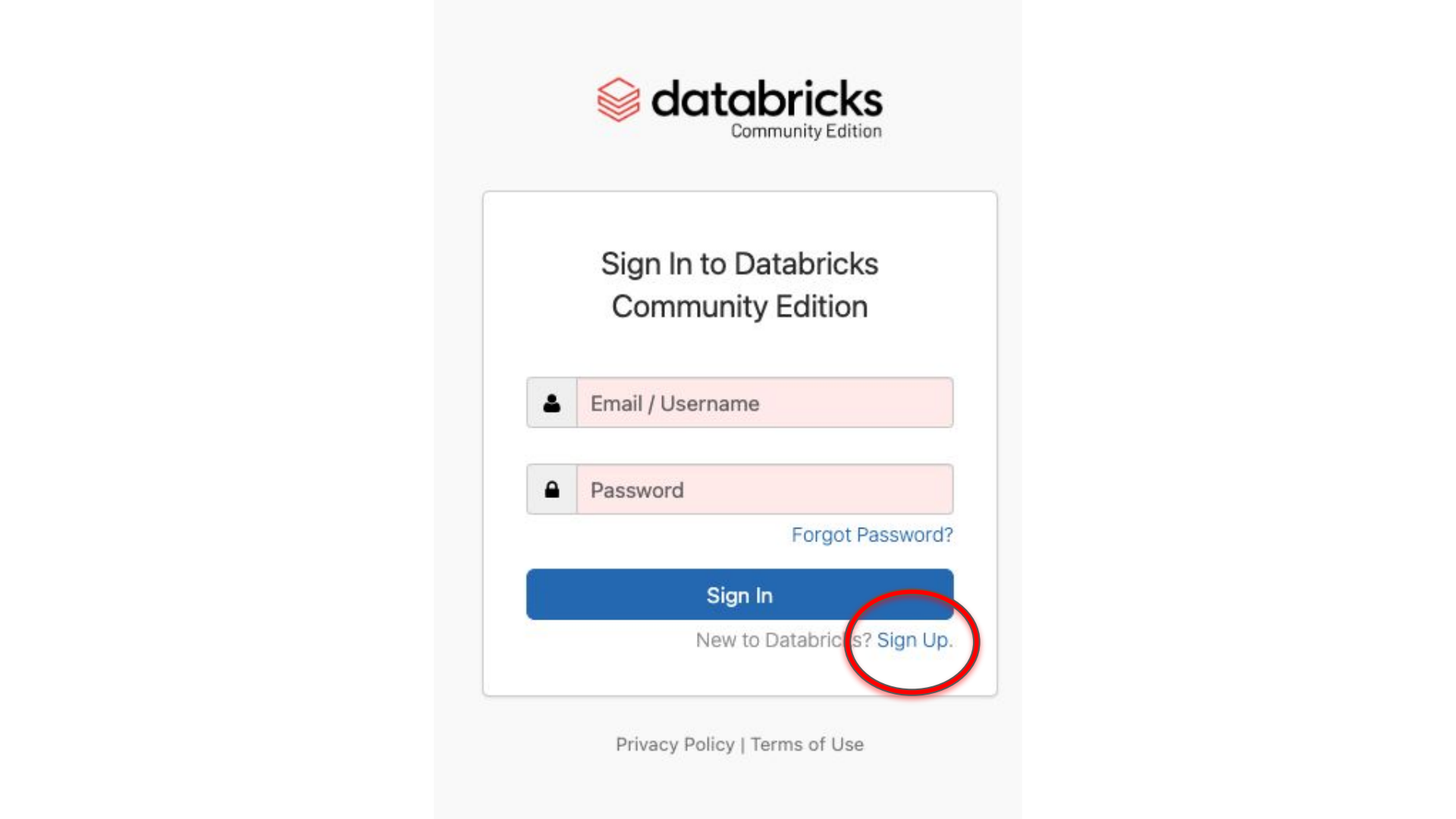
So ya wanna try Spark

Databricks

Databricks is an American enterprise software company founded by the creators of Apache Spark.[2] Databricks develops a web-based platform for working with Spark, that provides automated cluster management and IPython-style notebooks.

Step 1: Create an account (5 minutes)

https://community.cloud.databricks.com/login.html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Try Databricks for free

An open and unified data analytics platform for data engineering, data science, machine learning, and analytics. From the original creators of Apache Spark™, Delta lake, MLflow, and Koalas.

aws Microsoft Azure Google Cloud

Databricks trial:

- Collaborative environment for data teams to build solutions together.
- Interactive notebooks to use Apache Spark™, SQL, Python, Scala, Delta Lake, MLflow, TensorFlow, Keras, Scikit-learn and more.
- Available as a 14-day full trial in your own cloud, or as a lightweight trial hosted by Databricks.

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RIOT GAMES REGENERON Grab

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Westhoff

Company *

Brigham Young University

Company Email *

chasemwesthoff@gmail.com

Title *

Student

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8013176655

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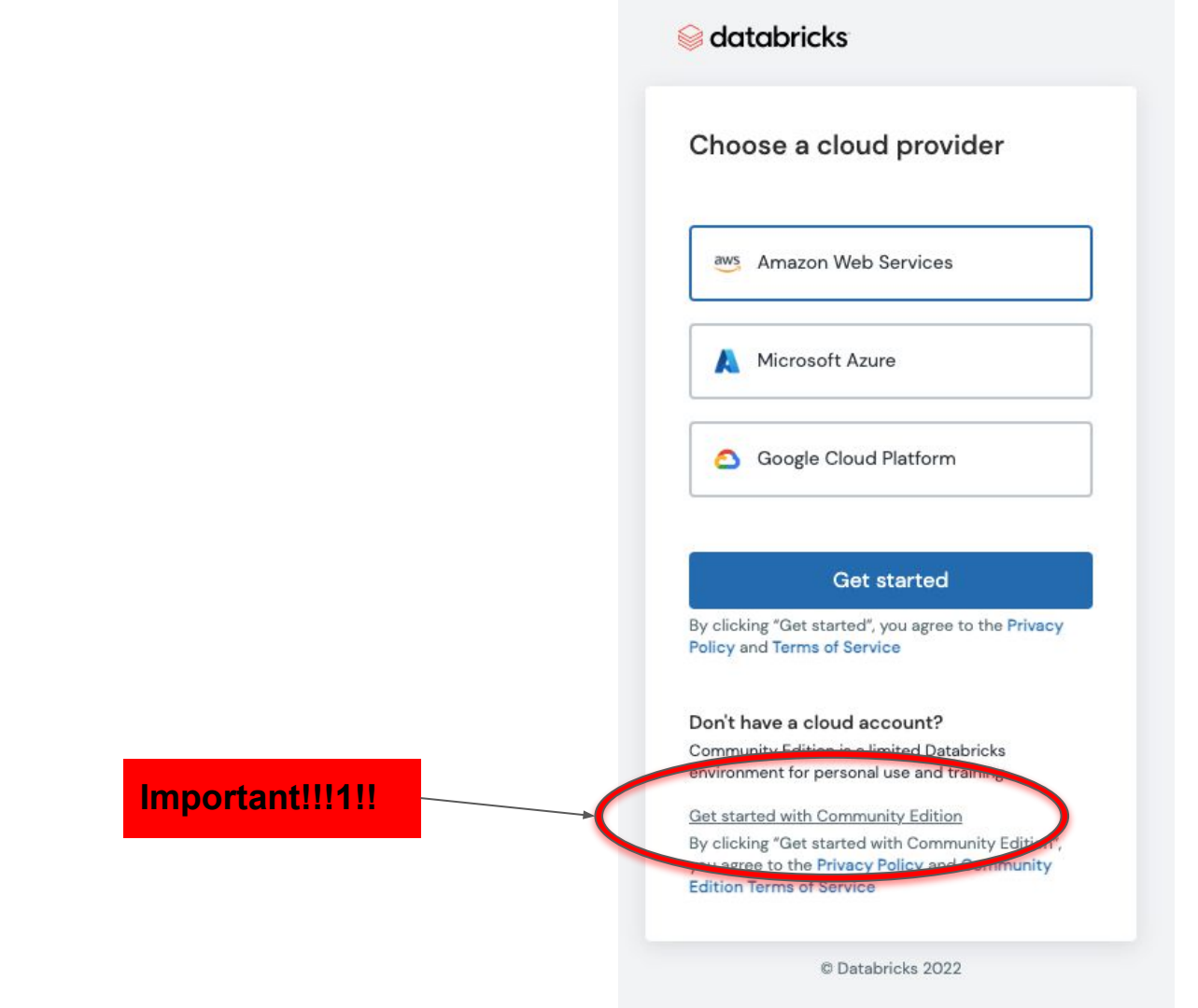
GET STARTED FOR FREE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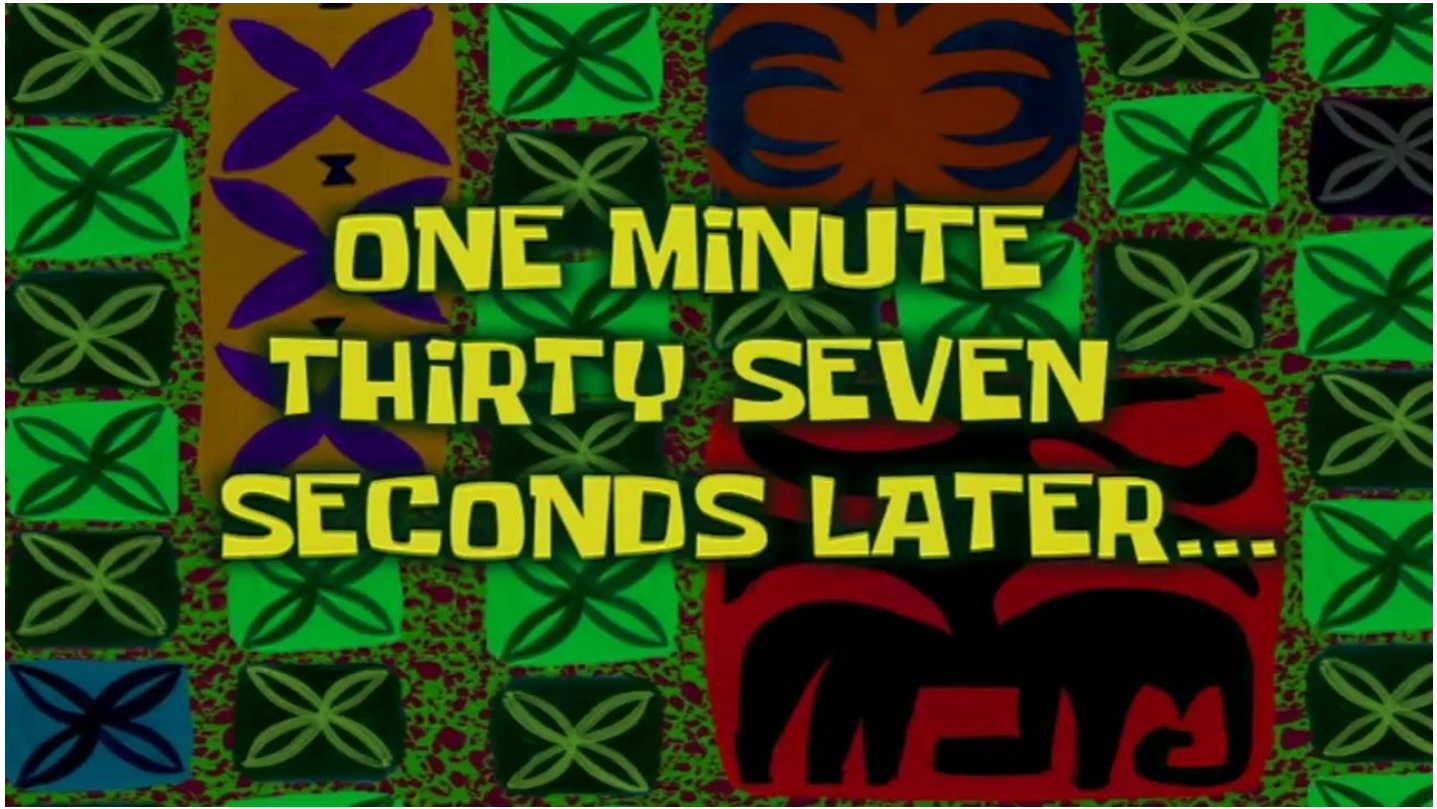
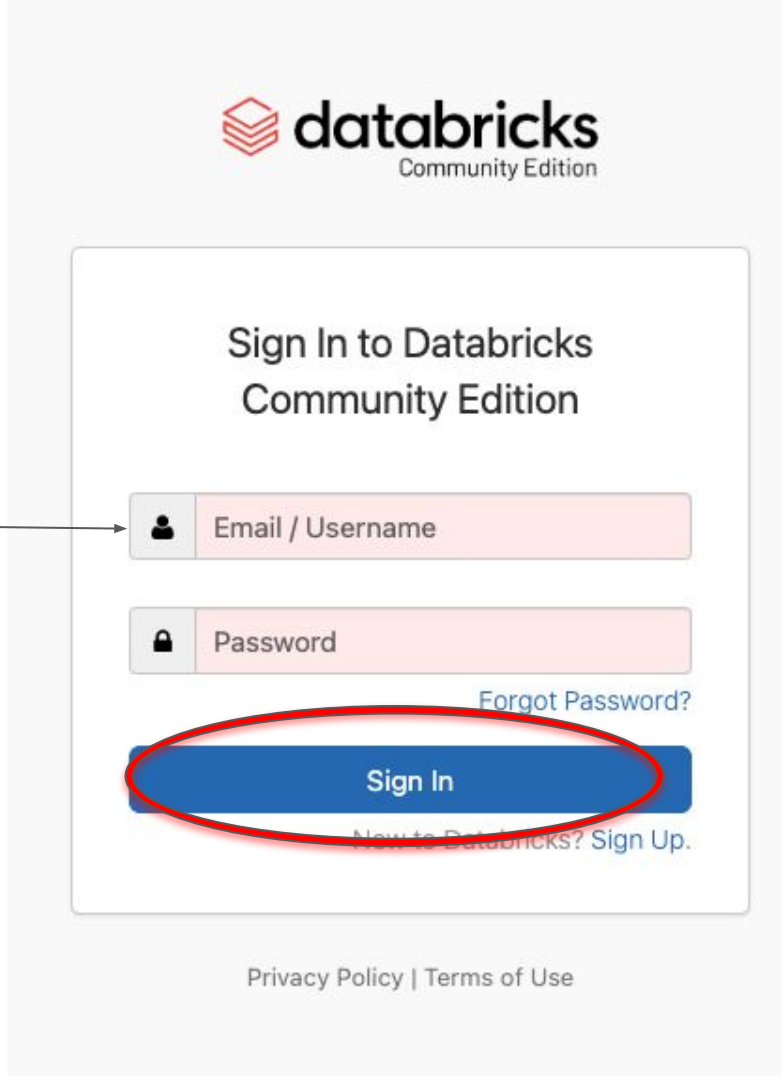
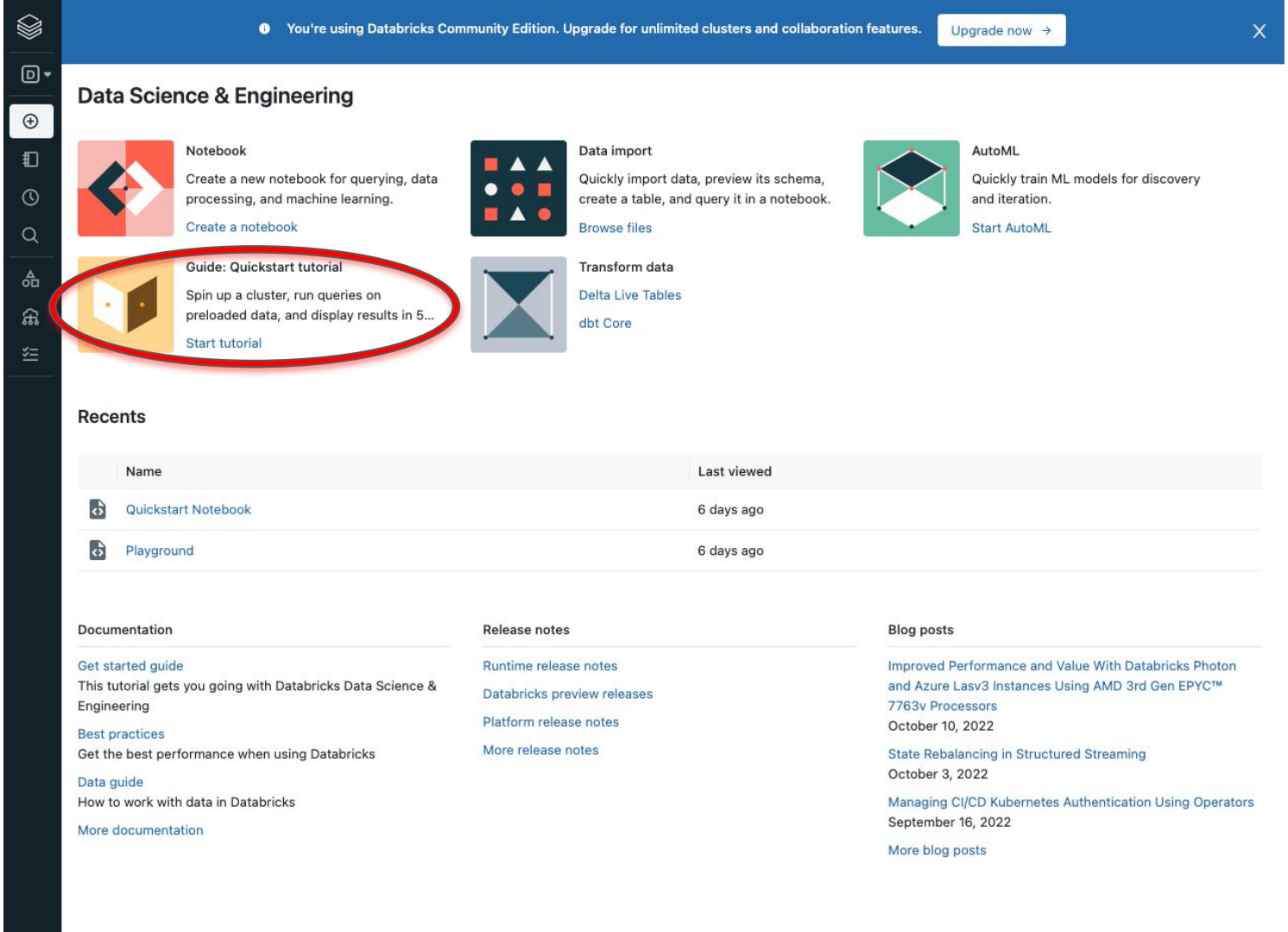
Important!!!1!!

Email validation stuff…



Email is case sensitive for some reason??

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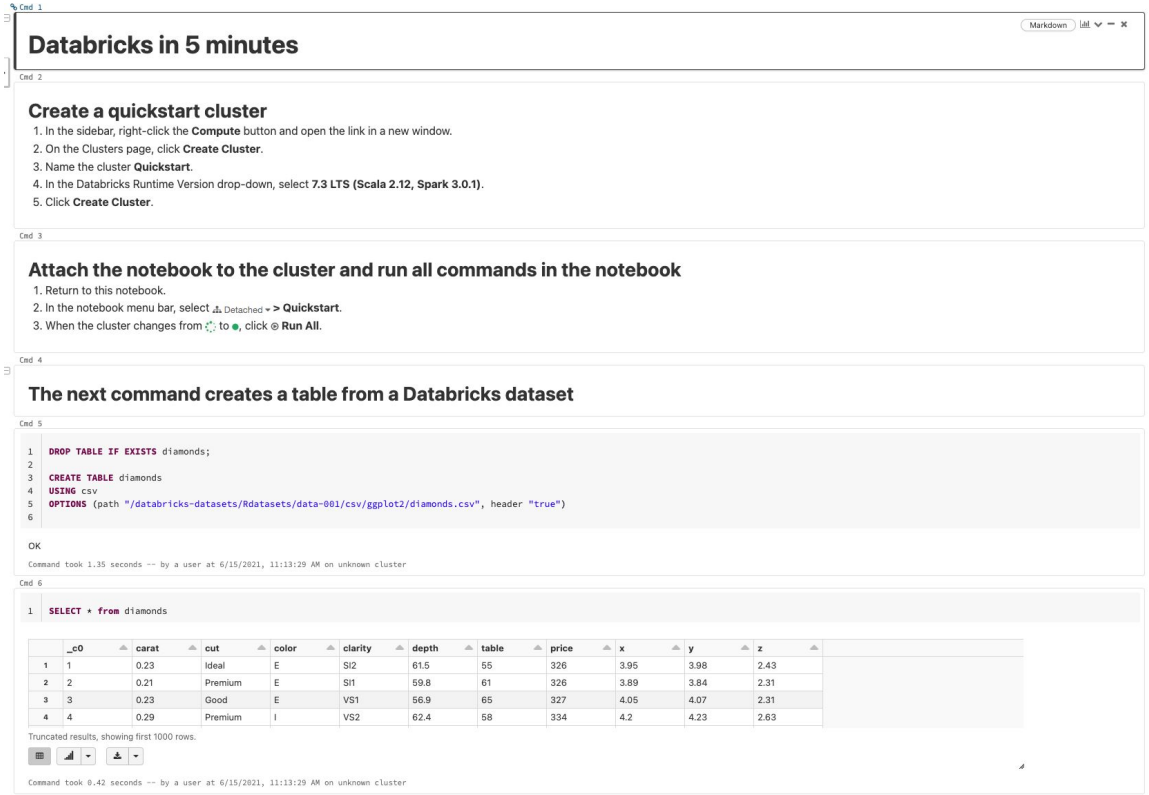
Go through the tutorial! -5 minutes (or more??)



Cmd 1

Markdown

Databricks in 5 minutes

Cmd 2

Create a quickstart cluster

1. In the sidebar, right-click the **Compute** button and open the link in a new window.
2. On the Clusters page, click **Create Cluster**.
3. Name the cluster **Quickstart**.
4. In the Databricks Runtime Version drop-down, select **7.3 LTS (Scala 2.12, Spark 3.0.1)**.
5. Click **Create Cluster**.

Cmd 3

Attach the notebook to the cluster and run all commands in the notebook

1. Return to this notebook.
2. In the notebook menu bar, select Detached > **Quickstart**.
3. When the cluster changes from to , click **Run All**.

Cmd 4

The next command creates a table from a Databricks dataset

Cmd 5

```
1  DROP TABLE IF EXISTS diamonds;
2
3  CREATE TABLE diamonds
4  USING csv
5  OPTIONS (path "/databricks-datasets/Rdatasets/data-001/csv/ggplot2/diamonds.csv", header "true")
6
```

OK

Command took 1.35 seconds -- by a user at 6/15/2021, 11:13:29 AM on unknown cluster

Cmd 6

```
1  SELECT * from diamonds
```

	_c0	carat	cut	color	clarity	depth	table	price	x	y	z
1	1	0.23	Ideal	E	SI2	61.5	55	326	3.95	3.98	2.43
2	2	0.21	Premium	E	SI1	59.8	61	326	3.89	3.84	2.31
3	3	0.23	Good	E	VS1	56.9	65	327	4.05	4.07	2.31
4	4	0.29	Premium	I	VS2	62.4	58	334	4.2	4.23	2.63

Truncated results, showing first 1000 rows.

Command took 0.42 seconds -- by a user at 6/15/2021, 11:13:29 AM on unknown cluster

Problem Set: Video Game Sales

1. Read in the data from a .csv file

https://www.kaggle.com/datasets/gregorut/videogamesales

2. Write code to find the best selling Xbox 360 Game in Japan

3. Write code to find the console that sold the most games overall.

4. What was the best year of sales for platforming games?

5. Find the total EU sales for each publisher, sort by highest to lowest

6. Find something interesting in the data and share it with the class!