For this Azure Databricks Unified Analytics Workshop, please download the following files so you can follow along with your Databricks Solution Architect with these notebooks. You can run these notebooks on your own after the workshop by using Databricks.

If you do not have a Databricks account, you can try Azure Databricks by going to https://docs.azuredatabricks.net/getting-started/try-databricks.html.

To following along, you will need to download the following files:

a. Data Engineering: Data Preparation with Delta Lake
b. Data Sciences: Evaluate Risk on Loan Approvals

If you would like to dive further, you can also download the Evaluate Risk on Loan Approvals (XGBoost 0.81) and try using XGBoost (included as part of Databricks Runtime for Machine Learning).

For more information on the Evaluate Risk on Loan Approvals scenario, refer to the blog post Loan Risk Analysis with XGBoost and Databricks Runtime for Machine Learning.

Refer to the following pages for additional details

Import Data

To download the data, please uncomment the earlier cell in the notebook which will download the files using `wget` into the Databricks File System `tmp` folder (i.e. `/dbfs/tmp`) as noted in the following screenshot.

```
1 %sh wget -P /dbfs/tmp/azure-workshop/  https://sscsa.blob.core.windows.net/azure-databricks-workshop/loar
```

```
wget: /databricks/python/lib/libcrypto.so.1.0.0: no version information available (required by wget)
wget: /databricks/python/lib/libssl.so.1.0.0: no version information available (required by wget)
wget: /databricks/python/lib/libssl.so.1.0.0: no version information available (required by wget)
--2019-06-05 16:23:45--  https://sscsa.blob.core.windows.net/azure-databricks-workshop/loanstats_2012_2017
_pq.parquet
Resolving sscsa.blob.core.windows.net (sscsa.blob.core.windows.net)... 52.239.152.74
Connecting to sscsa.blob.core.windows.net (sscsa.blob.core.windows.net)|52.239.152.74|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 162431066 (155M) [application/octet-stream]
Saving to: '/dbfs/tmp/azure-workshop/loanstats_2012_2017_pq.parquet'

     0K .......... .......... .......... .......... ..........  0% 5.87M 26s
    50K .......... .......... .......... .......... ..........  0% 5.72M 27s
   100K .......... .......... .......... .......... ..........  0% 5.18M 28s
   150K .......... .......... .......... .......... ..........  0% 4.60M 29s
   200K .......... .......... .......... .......... ..........  0% 5.78M 29s
   250K .......... .......... .......... .......... ..........  0% 5.84M 28s
   300K .......... .......... .......... .......... ..........  0% 5.60M 28s
   350K .......... .......... .......... .......... ..........  0% 4.99M 29s
   400K .......... .......... .......... .......... ..........  0% 5.71M 28s
   450K .......... .......... .......... .......... ..........  0% 5.85M 28s
   500K .......... .......... .......... .......... ..........  0% 5.47M 28s
   550K .......... .......... .......... .......... ..........  0% 4.85M 28s
   600K .......... .......... .......... .......... ..........  0% 5.71M 28s
```

```
Command took 24.90 seconds -- by denny.lee@databricks.com at 6/5/2019, 9:23:43 AM on rocinante
```

Once downloaded, you can see the file via the following command.

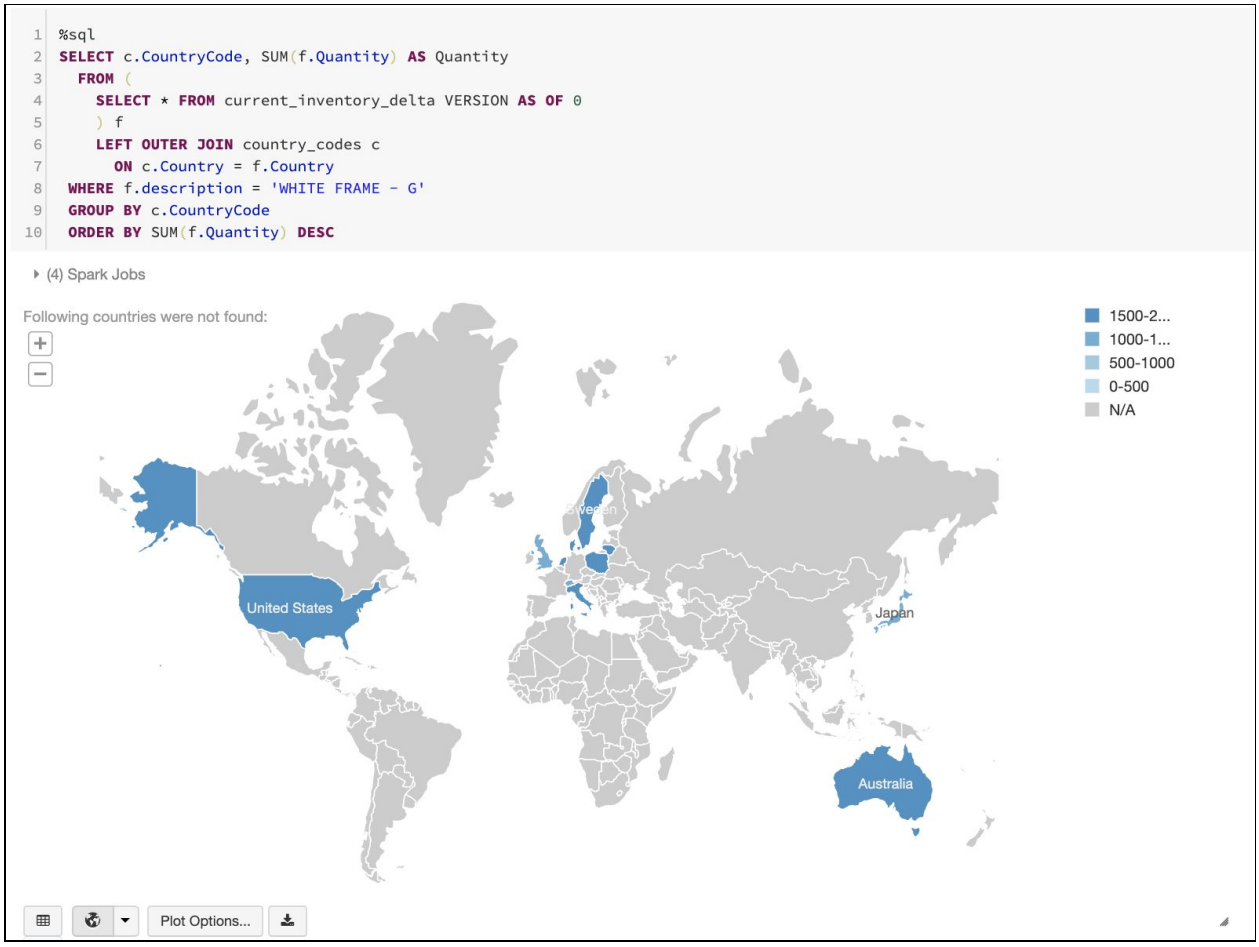
```
1 %fs ls /tmp/azure-workshop/
```

path
dbfs:/tmp/azure-workshop/loanstats_2012_2017_pq.parquet

Data Engineering

This demo showcases batch/streaming sync, ACID transactions, and time travel with Delta Lake. Download the notebook: [Data Preparation with Delta Lake](),

As well, click on the image below to watch a < 2 min video showcasing this scenario. You can access the video directly at [https://dbricks.co/dl-db]().



Data Sciences

This demo showcases running Machine Learning with visualizations within a Databricks workspace. Download the following notebooks and resources: Evaluate Risk on Loan Approvals.

If you would like to dive further, you can also download the Evaluate Risk on Loan Approvals (XGBoost 0.81) and try using XGBoost (included as part of Databricks Runtime for Machine Learning).

As well, click on the image below to watch a < 2min video showing this scenario. You can access the video directly at https://dbricks.co/lra-video