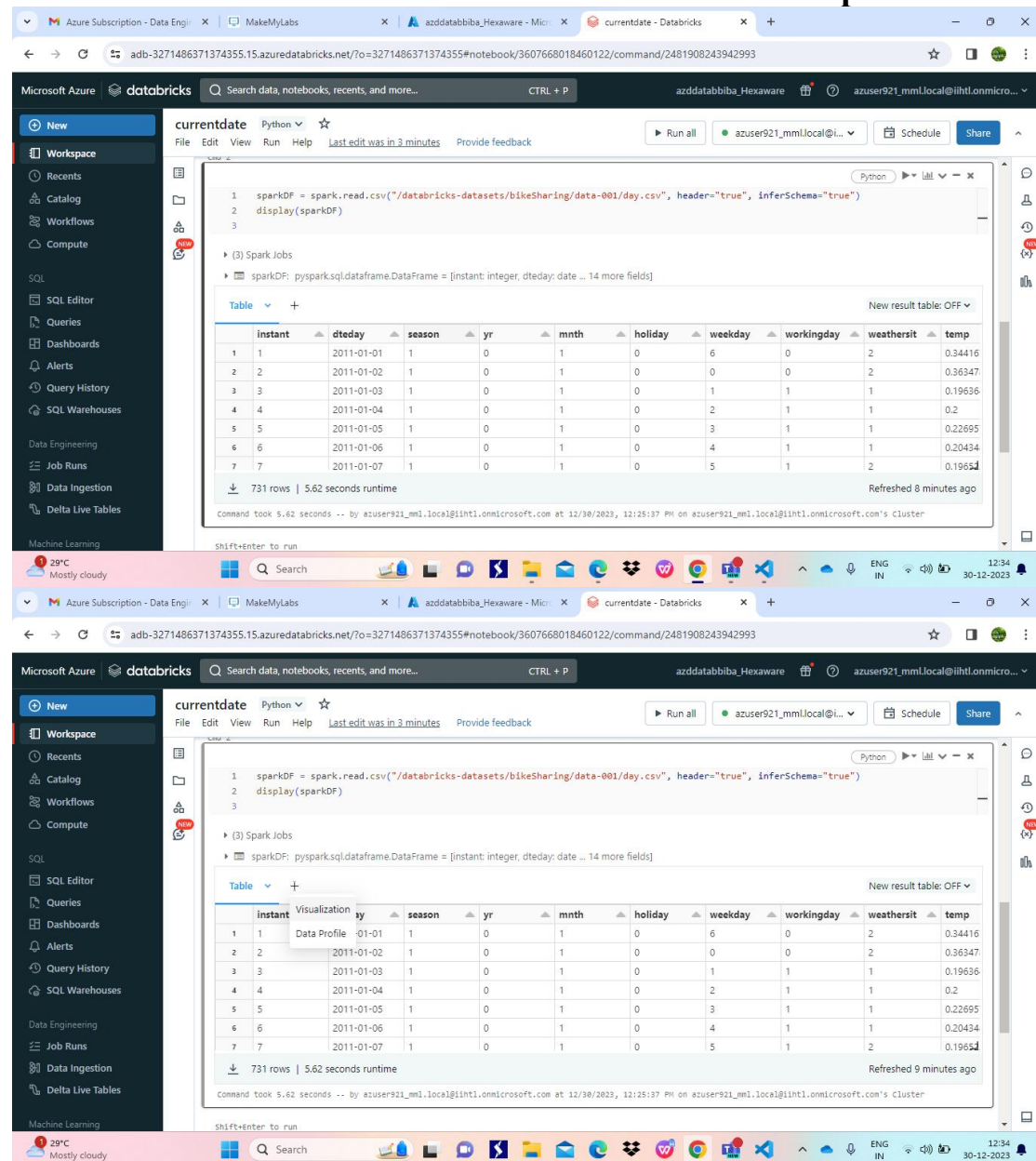


To create visualization

First read the csv file from databricks and run it in notepad



The screenshot displays the Databricks workspace interface. The notebook 'currentdate' is open, showing a Python script that reads a CSV file from the Databricks datasets and displays its contents. The script is executed, and the resulting DataFrame is shown as a table with 7 rows and 12 columns. The table is titled 'Table' and has columns: instant, dteday, season, yr, mnth, holiday, weekday, workingday, weathersit, temp, and temp_1. The data is as follows:

	instant	dteday	season	yr	mnth	holiday	weekday	workingday	weathersit	temp	temp_1
1	1	2011-01-01	1	0	1	0	6	0	2	0.34416	
2	2	2011-01-02	1	0	1	0	0	0	2	0.36347	
3	3	2011-01-03	1	0	1	0	1	1	1	0.19636	
4	4	2011-01-04	1	0	1	0	2	1	1	0.2	
5	5	2011-01-05	1	0	1	0	3	1	1	0.22695	
6	6	2011-01-06	1	0	1	0	4	1	1	0.20434	
7	7	2011-01-07	1	0	1	0	5	1	2	0.19654	

The table is refreshed 8 minutes ago. The command took 5.62 seconds to run. The notebook is titled 'currentdate' and is in the 'Python' language. The script is as follows:

```
1 sparkDF = spark.read.csv("/databricks-datasets/bikeSharing/data-001/day.csv", header="true", inferSchema="true")
2 display(sparkDF)
3
```

Visualization Editor

Visualization type: Scatter

General X axis Y axis Series Colors Data labels

X column: Choose column...

- weatherst
- temp
- atemp
- hum
- windspeed
- casual
- registered
- cnt

No Data

Please choose at least one X or Y column to create a chart.

Cancel Save

Visualization Editor

Visualization type: Scatter

General X axis Y axis Series Colors Data labels

X column: casual

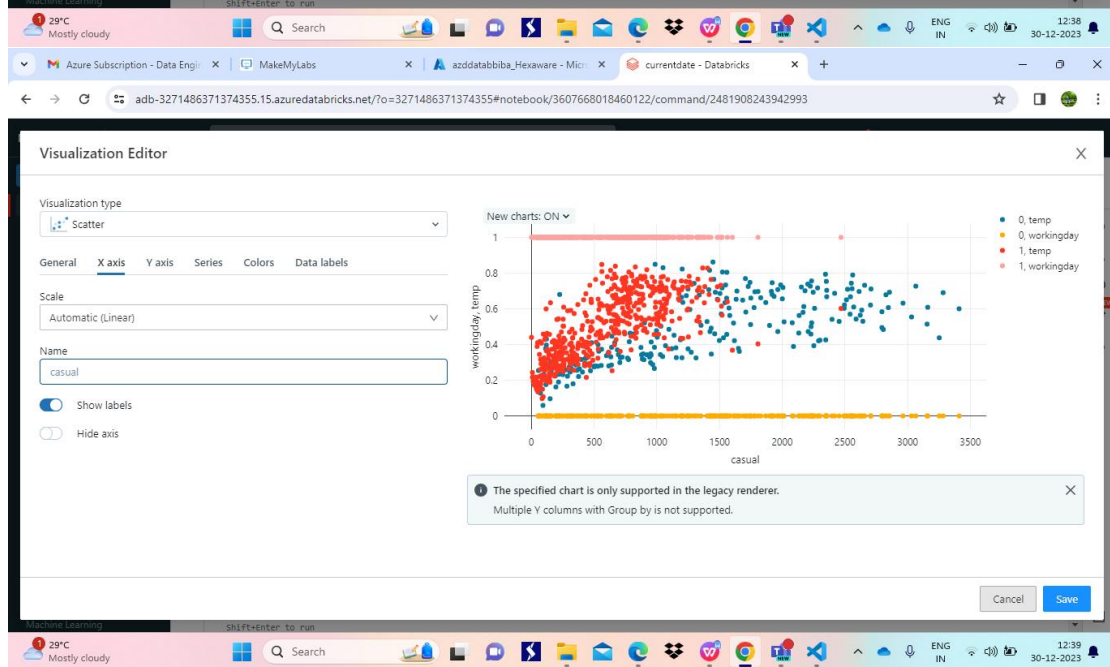
Y columns: workingday X temp X

- mnth
- holiday
- weekday
- workingday
- weatherst
- temp
- atemp
- hum

New charts: ON

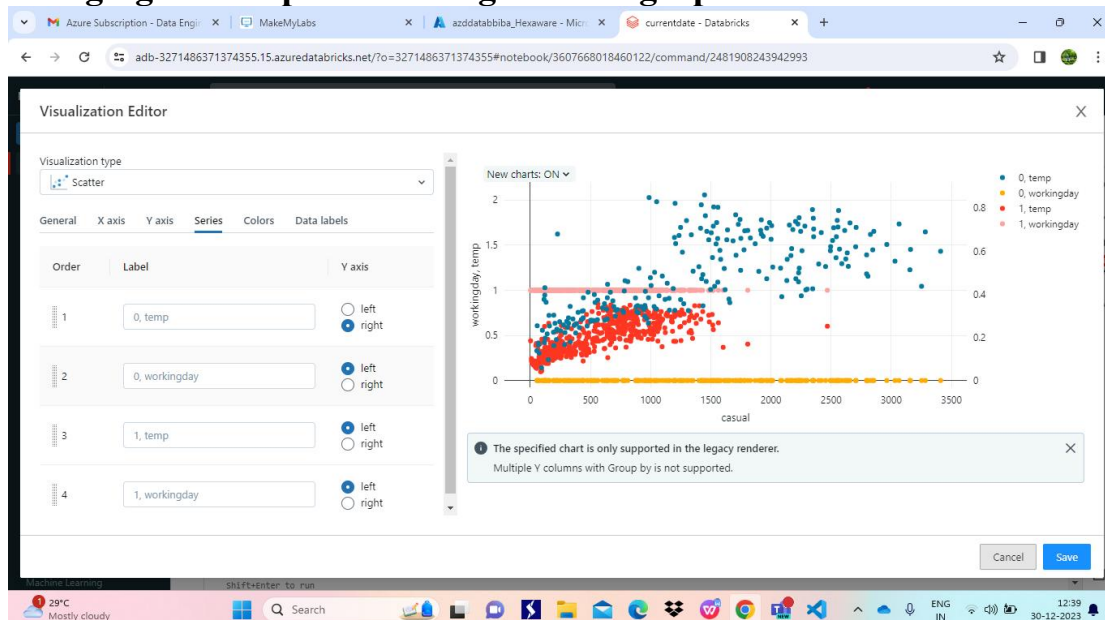
workingday, temp

Cancel Save





changing the temp series to right of the graph



Visualization Editor

Visualization type: Scatter

General X axis Y axis Series Colors Data labels

☐ Show data labels

Number values format: 0.0[00000]

Percent values format: 0[.00%]

Date/time values format: DD/MM/YYYY HH:mm

Data labels: Automatic

New charts: ON

The specified chart is only supported in the legacy renderer. Multiple Y columns with Group by is not supported.

Cancel Save

to rename a visualization

Microsoft Azure databricks Search data, notebooks, recents, and more... CTRL + P azddatabbiba_Hexaware azuser921_mml.local@iitl.onmicro...

currentdate Python Last edit was in 3 minutes Provide feedback Run all azuser921_mml.local@L... Schedule Share

```
1 sparkDF = spark.read.csv("/databricks-datasets/bikeSharing/data-001/day.csv", header="true", inferSchema="true")
2 display(sparkDF)
3
```

(3) Spark Jobs

Visualization 1

Table Visualization 1

New charts: ON

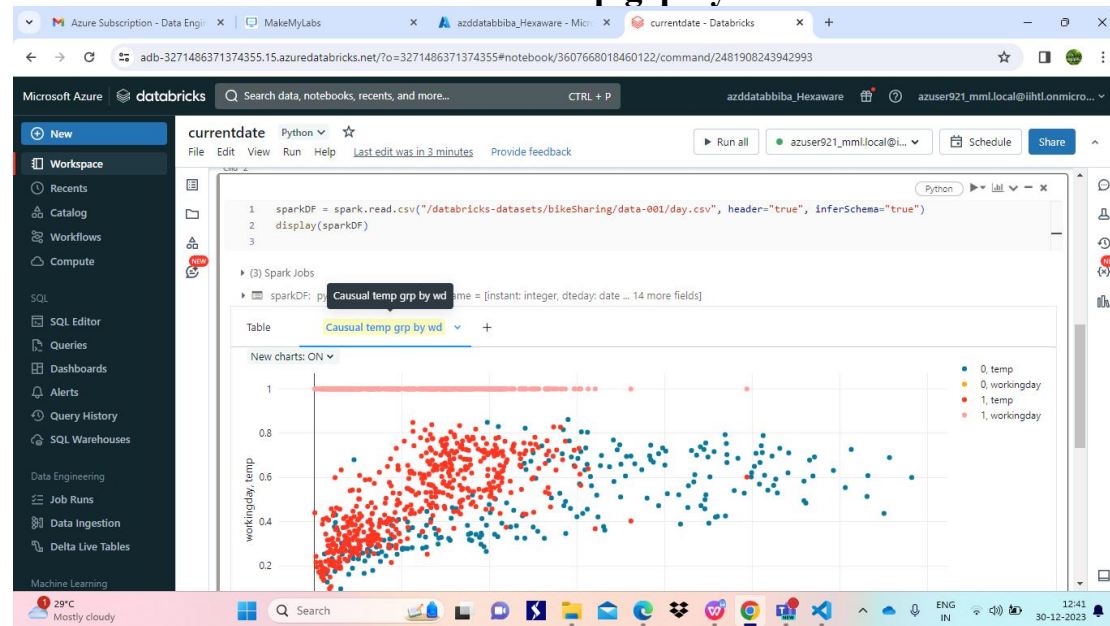
Download Remove Duplicate Rename Add to dashboard

workingday, temp

casual

0, temp
0, workingday
1, temp
1, workingday

Renamed visualization to casual temp grp by wd



Line view of visualization



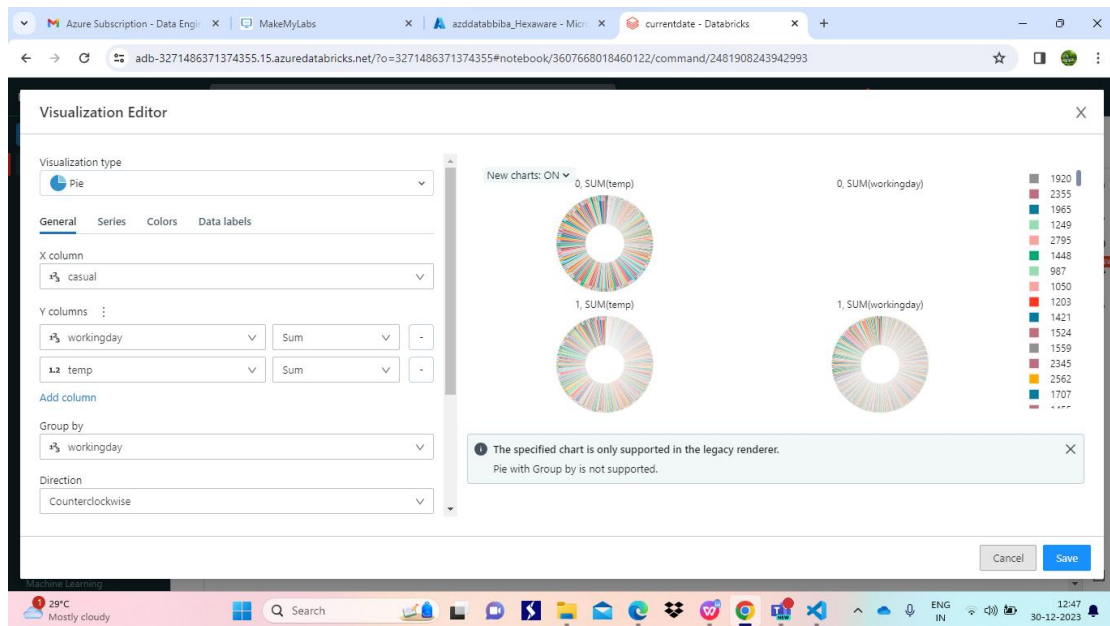
Bar view



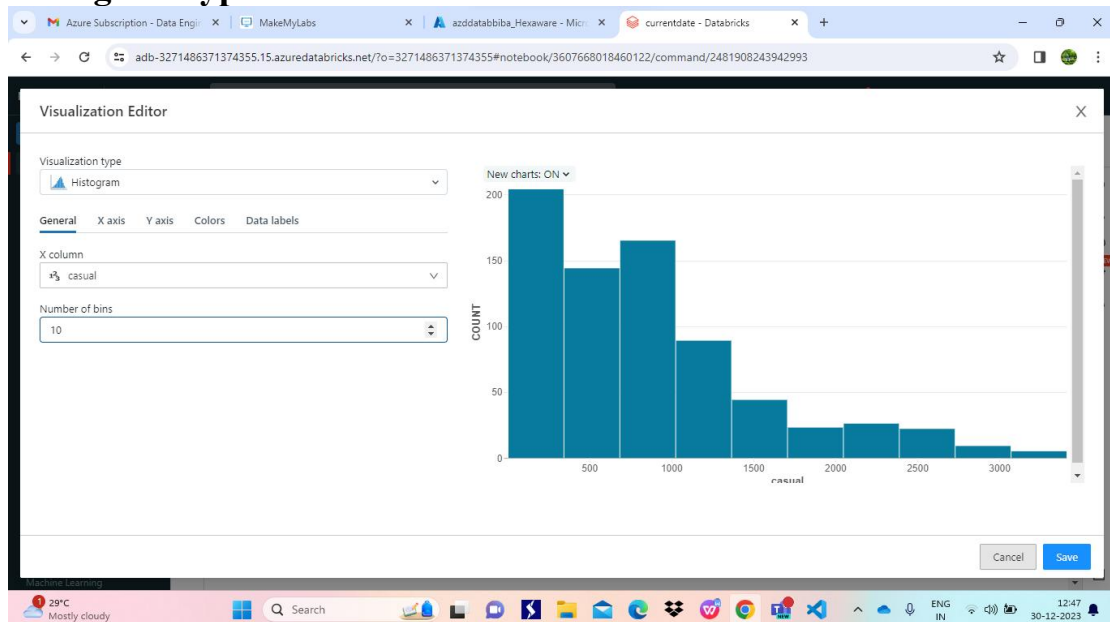
Area type



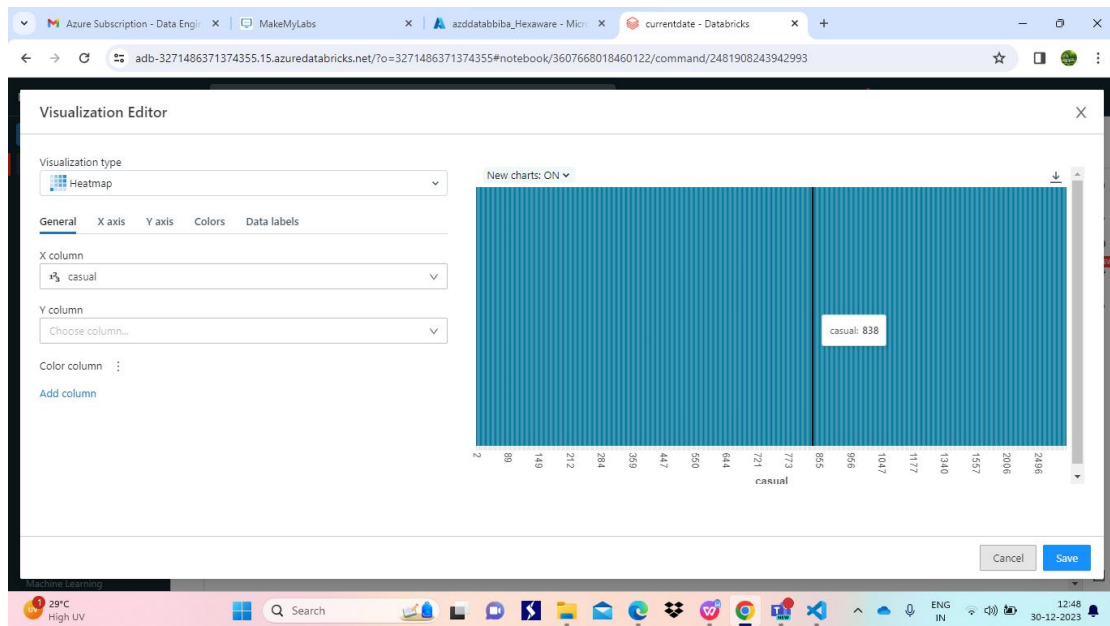
Pie graph type



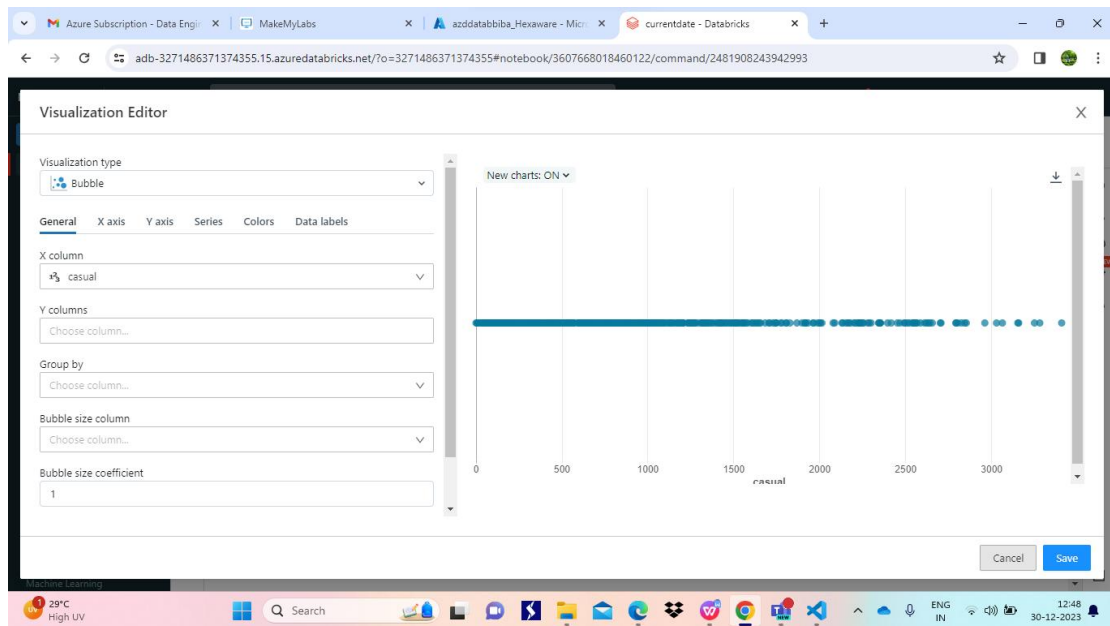
Histogram type



Heatmap type view



Bubble view



Details view

Visualization Editor

Visualization type: Details view

- > instant
- > dteday
- > season
- > yr
- > mnth
- > holiday
- > weekday
- > workingday

instant:	1
dteday:	01/01/2011
season:	1
yr:	0
mnth:	1
holiday:	0
weekday:	6
workingday:	0
weathersit:	2
temp:	0.344167

Cancel Save

To remove visualization

Microsoft Azure databricks Search data, notebooks, recents, and more... CTRL + P azddatabiba_Hexaware azuser921_mml.local@iitl.onmicro...

New Workspace Recents Catalog Workflows Compute SQL SQL Editor Queries Dashboards Alerts Query History SQL Warehouses Data Engineering Job Runs Data Ingestion Delta Live Tables Machine Learning

currentdate Python Last edit was 6 minutes ago Provide feedback Run all azuser921_mml.local@L... Schedule Share

```
2 display(sparkDF)
3
```

(3) Spark Jobs

sparkDF: Causal temp grp by wd time = [instant: integer, dteday: date ... 14 more fields]

Table Causal temp grp by wd exampleDF +

(6) Spark Jobs

Download Remove Duplicate Rename Add to dashboard

Sort by Feature order ☒ Feature importance ☒ Feature order

Features: ☒ int(12) ☒ float(4)

Numeric Features (16)

	count	missing	mean	std dev	zeros	min	median	max	custom
casual	731	0%	848.18	686.62	0%	2	713	3,410	data type: int

Chart to show Standard ☐ log ☐ expand

40 500 2K 3K

Microsoft Azure databricks

currentdate Python

File Edit View Run Help Last edit was 6 minutes ago Provide feedback

Run all azuser921_mmllocal@l... Schedule Share

Remove Tab

Are you sure you want to remove this tab?

Cancel Remove

Table

(3) Spark Jobs

sparkDF

Table

(6) Spark Jobs

Sort by Feature order

Features: ☒ int(12) ☒ float(4)

Numeric Features (16)

	count	missing	mean	std dev	zeros	min	median	max	custom
casual	731	0%	848.18	686.62	0%	2	713	3,410	data type: int

Chart to show Standard

log expand

500 2K 3K

29°C Mostly cloudy

12:52 30-12-2023

DATA Profile

Microsoft Azure databricks

currentdate Python

File Edit View Run Help Last edit was in 2 minutes Provide feedback

Run all azuser921_mmllocal@l... Schedule Share

Table Causal temp grp by wd Data Profile 1

(6) Spark Jobs

Sort by Feature order ☒ Reverse order Feature search (regex enabled)

Features: ☒ int(12) ☒ float(4)

Numeric Features (16)

	count	missing	mean	std dev	zeros	min	median	max	custom
casual	731	0%	848.18	686.62	0%	2	713	3,410	data type: int
windspeed	731	0%	0.19	0.08	0%	0.02	0.18	0.51	data type: double

Chart to show Standard

log expand

500 2K 3K

0.05 0.2 0.35

29°C Mostly cloudy

12:42 30-12-2023

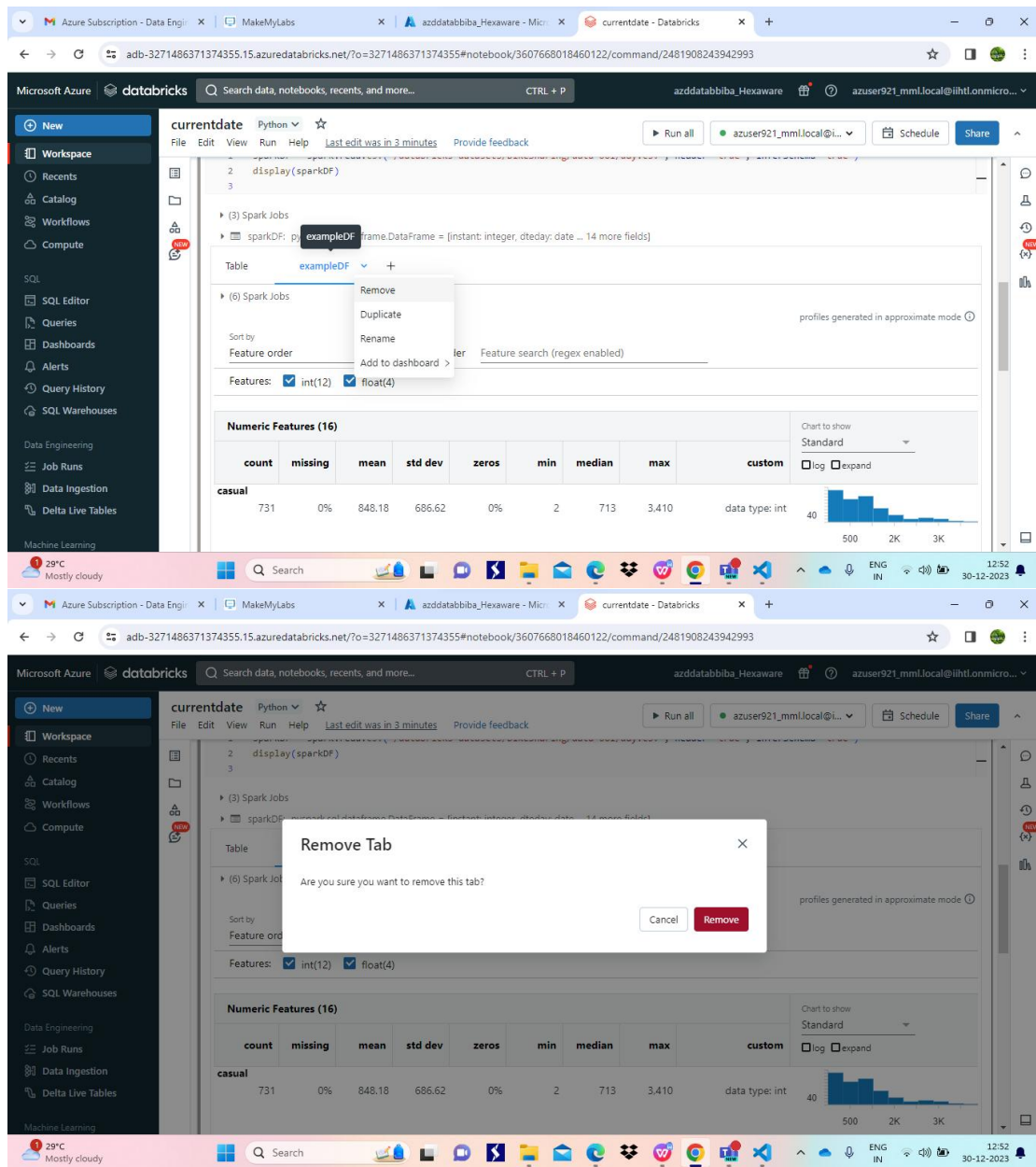
To rename a data profile

The screenshot shows the Databricks workspace interface. A notebook named 'currentdate' is open, displaying a data profile for 'Data Profile 1'. A context menu is open over the profile name, with the 'Rename' option selected. The profile details show a table 'Causal temp grp by wd' with features 'int(12)' and 'float(4)'. The 'Numeric Features (16)' section displays statistics for 'casual' and 'windspeed' columns, including count, missing, mean, std dev, zeros, min, median, max, and custom data type. Histograms are shown for each feature.

Renamed data profile as Example df

The screenshot shows the Databricks workspace interface after the data profile has been renamed to 'exampleDF'. The notebook 'currentdate' still displays the same data profile details, but the name 'Data Profile 1' has been replaced with 'exampleDF' in the table header and the profile name dropdown.

To remove data profile



To terminate cluster

Microsoft Azure databricks Search data, notebooks, recents, and more... CTRL + P azddatabbiba_Hexaware azuser921_mml.local@ihlt.onmicro...

New Workspace Recents Catalog Workflows Compute

SQL SQL Editor Queries Dashboards Alerts Query History SQL Warehouses Data Engineering Job Runs Data Ingestion Delta Live Tables Machine Learning

Compute

All-purpose compute Job compute SQL warehouses Pools Policies

Filter compute you have... Created by Create with Personal Compute Create compute

State	Name	Policy	Runtime	Active m...	Active co...	Active D...	Source	Creator	Notebooks
Running	azuser908_mml.local@ihlt.onmi...	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser908_mml...	3
Running	azuser921_mml.local@ihlt.onmi...	Personal Comp	13.3	14 GB	4 cores	0.75	UI	azuser921_mml...	1
Running	azuser934_mml.local's Cluster	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser934_mml...	1
Running	azuser933_mml.local@ihlt.onmi...	Personal Comp	14.2 ML	-	-	-	UI	azuser933_mml...	-

1 20 / page

29°C Mostly cloudy

Microsoft Azure databricks Search data, notebooks, recents, and more... CTRL + P azddatabbiba_Hexaware azuser921_mml.local@ihlt.onmicro...

New Workspace Recents Catalog Workflows Compute

SQL SQL Editor Queries Dashboards Alerts Query History SQL Warehouses Data Engineering Job Runs Data Ingestion Delta Live Tables Machine Learning

Compute

All-purpose compute Job compute SQL warehouses Pools Policies

Filter compute you have... Created by Create with Personal Compute Create compute

Are you sure you want to terminate cluster azuser921_mml.local@ihlt.onmicrosoft.com's Cluster?

Cancel Confirm

State	Name	Policy	Runtime	Active m...	Active co...	Active D...	Source	Creator	Notebooks
Running	azuser908_mml.local@ihlt.onmi...	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser908_mml...	3
Running	azuser921_mml.local@ihlt.onmi...	Personal Comp	13.3	14 GB	4 cores	0.75	UI	azuser921_mml...	1
Running	azuser934_mml.local's Cluster	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser934_mml...	1
Running	azuser933_mml.local@ihlt.onmi...	Personal Comp	14.2 ML	-	-	-	UI	azuser933_mml...	-

1 20 / page

29°C Mostly cloudy

To delete cluster

Microsoft Azure | databricks | Search data, notebooks, recents, and more... | CTRL + P | azddatabbiba_Hexaware | azuser921_mml.local@iihtl.onmicro...

Compute

All-purpose compute | Job compute | SQL warehouses | Pools | Policies

Filter compute you have... | Created by | Create with Personal Compute | Create compute

State	Name	Policy	Runtime	Active m...	Active co...	Active D...	Source	Creator	Notebooks
Running	azuser908_mml.local@iihtl.onmi...	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser908_mml...	3
Running	azuser934_mml.local's Cluster	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser934_mml...	1
Running	azuser921_mml.local@iihtl.onmi...	Personal Comp	13.3	-	-	-	UI	azuser921_mml...	-
Running	azuser933_mml.local@iihtl.onmi...	Personal Comp	14.2 ML	-	-	-	UI	azuser933_mml...	-

Clone | Delete | Edit permissions

1 | 20 / page

29°C Mostly cloudy | Search | 12:55 30-12-2023

Microsoft Azure | databricks | Search data, notebooks, recents, and more... | CTRL + P | azddatabbiba_Hexaware | azuser921_mml.local@iihtl.onmicro...

Compute

All-purpose compute | Job compute | SQL warehouses | Pools | Policies

Filter compute you have... | Created by | Create with Personal Compute | Create compute

State	Name	Policy	Runtime	Active m...	Active co...	Active D...	Source	Creator	Notebooks
Running	azuser908_mml.local@iihtl.onmi...	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser908_mml...	3
Running	azuser934_mml.local's Cluster	Personal Comp	14.2 ML	14 GB	4 cores	0.75	UI	azuser934_mml...	1
Running	azuser921_mml.local@iihtl.onmi...	Personal Comp	13.3	-	-	-	UI	azuser921_mml...	-
Running	azuser933_mml.local@iihtl.onmi...	Personal Comp	14.2 ML	-	-	-	UI	azuser933_mml...	-

Deleting "azuser921_mml.local@iihtl.onmicrosoft.com's Cluster".

Deleting a cluster terminates the cluster and removes its configuration. You cannot undo this action. Are you sure you want to delete "azuser921_mml.local@iihtl.onmicrosoft.com's Cluster"?

Cancel | Delete

1 | 20 / page

29°C Mostly cloudy | Search | 12:55 30-12-2023