





Linux uber-data-analytics-kaleem 6.1.0-21-cloud-amd64 #1 SMP PREEMPT\_DYNAMIC Debian 6.1.90-1 (2024-05-03) x86\_64

The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.

mohammedkaleemullah06@uber-data-analytics-kaleem:~\$ sudo apt update

sudo apt install pipx

sudo pipx ensurepath

Get:1 file:/etc/apt/mirrors/debian.list Mirrorlist [30 B]

Get:2 file:/etc/apt/mirrors/debian-security.list Mirrorlist [39 B]

Hit:7 https://packages.cloud.google.com/apt google-compute-engine-bookworm-stable InRelease

Hit:3 https://deb.debian.org/debian bookworm InRelease

Get:4 https://deb.debian.org/debian bookworm-updates InRelease [55.4 kB]

Get:5 https://deb.debian.org/debian bookworm-backports InRelease [56.5 kB]

Hit:6 https://deb.debian.org/debian-security bookworm-security InRelease

Hit:8 https://packages.cloud.google.com/apt cloud-sdk-bookworm InRelease

Fetched 112 kB in 1s (105 kB/s)

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

All packages are up to date.

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

pipx is already the newest version (1.1.0-1).

0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

/root/.local/bin has been added to PATH, but you need to open a new terminal or re-login for this PATH change to take effect.

You will need to open a new terminal or re-login for the PATH changes to take effect.

Otherwise pipx is ready to go! ✨🌟🌟

mohammedkaleemullah06@uber-data-analytics-kaleem:~\$ pipx install mage-ai

'mage-ai' already seems to be installed. Not modifying existing installation in '/home/mohammedkaleemullah06/.local/pipx/venvs/mage-ai'. Pass '--force' to force installation.

mohammedkaleemullah06@uber-data-analytics-kaleem:~\$ source myenv/bin/activate

(myenv) mohammedkaleemullah06@uber-data-analytics-kaleem:~\$ pip install pandas

pip install google-cloud

pip install google-cloud-bigquery

pip install botocore

Requirement already satisfied: pandas in ./myenv/lib/python3.11/site-packages (2.2.2)

Requirement already satisfied: numpy>=1.23.2 in ./myenv/lib/python3.11/site-packages (from pandas) (1.26.4)

Requirement already satisfied: python-dateutil>=2.8.2 in ./myenv/lib/python3.11/site-packages (from pandas) (2.8.2)



File Explorer sidebar:

- ALL FILES CURRENT BLOCK
- Search files
- kaleem-project-2
  - charts
  - custom
  - data\_exporters
  - data\_loaders
  - dbt
  - extensions
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  - scratchpads
  - transformers
  - utils
  - \_\_init\_\_.py
  - io\_config.yaml
  - metadata.yaml
  - requirements.txt

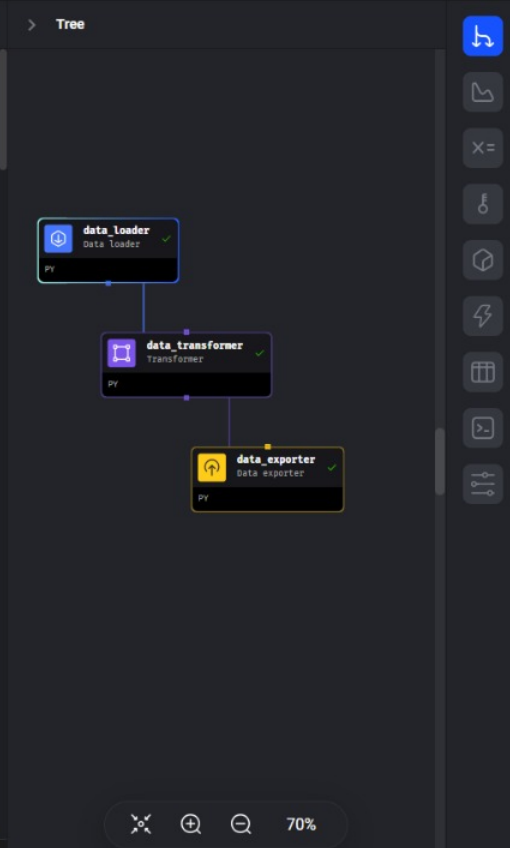
```
PY DATA LOADER data_loader Edit parents

1 import io
2 import pandas as pd
3 import requests
4 if 'data_loader' not in globals():
5     from mage_ai.data_preparation.decorators import data_loader
6 if 'test' not in globals():
7     from mage_ai.data_preparation.decorators import test
8
9
10 @data_loader
11 def load_data_from_api(*args, **kwargs):
12     """
13     Template for loading data from API
14     """
15     url = 'https://storage.googleapis.com/uber-aataanalytics-kaleem/uber_data.csv'
16     response = requests.get(url)
17
18     data = pd.read_csv(io.StringIO(response.text), sep=',')
19
20     return data
21
22
23 @test
24 def test_output(output, *args) -> None:
25     """
26     Template code for testing the output of the block.
27     """
28     assert output is not None, 'The output is undefined'
```

1/1 tests passed.

OUTPUT 0

VendorID	tpep_pickup_datetime	tpep_dropoff_datetime	passenger_count	trip_distance	pickup_longitude	pickup_latitude
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```
from mage_ai.data_preparation.decorators import test
```

```
df['trip_id'] = df.index
```

```
trip_distance_dim = trip_distance_dim[['trip_distance_id', 'trip_distance']]
```

```
pickup_location_dim = pickup_location_dim[['pickup_location_id', 'pickup_latitude', 'pickup_longitude']]
```

```
dropoff_location_dim = dropoff_location_dim[['dropoff_location_id', 'dropoff_latitude', 'dropoff_longitude']]
```





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Explorer

+ ADD

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Type to search

Viewing resources.

SHOW STARRED ONLY

Notebooks

Data canvases

External connections

kaleem\_uber\_data\_analy...

dropoff\_location\_dim

fact\_table

payment\_type\_dim

pickup\_location\_dim

trip\_distance\_dim

SUMMARY

ACTIVITY

Jun 16, 2024

Created - Mohammed Kalee... 4:37 PM

Payment type names

RUN

SAVE QUERY

DOWNLOAD

SHARE

SCHEDULE

MORE

Query completed.

1 SELECT b.payment\_type\_name

2 from still-kit-426212-h4.kaleem\_uber\_data\_analytics.fact\_table a

3 join still-kit-426212-h4.kaleem\_uber\_data\_analytics.payment\_type\_dim b

4 on a.payment\_type\_id = b.payment\_type\_id

5 group by b.payment\_type\_name

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

CHART

JSON

EXECUTION DETAILS

EXECUTION GRAPH

Row payment\_type\_name

1 Credit card

2 Cash

3 No charge

Job history

REFRESH

Type here to search

NIFTY +0.28%

03:04 PM 19-06-2024

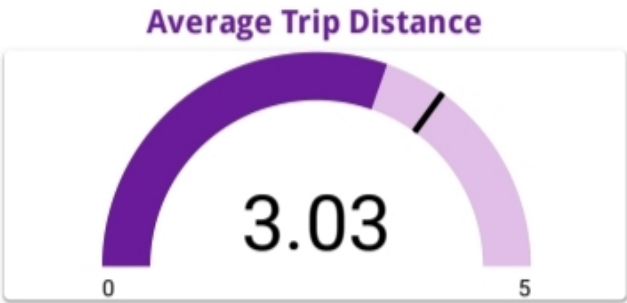


<input checked="" type="checkbox"/> passenger_count	Record Count
<input checked="" type="checkbox"/> 0	3
<input checked="" type="checkbox"/> 1	65.5K
<input checked="" type="checkbox"/> 2	13.7K
<input checked="" type="checkbox"/> 3	4.1K
<input checked="" type="checkbox"/> 4	1.9K
<input checked="" type="checkbox"/> 5	8.7K
<input checked="" type="checkbox"/> 6	6.1K

Jan 1, 2016 - Dec 31, 2016

payment_type ^	total_amount
1	1,202,467.81
2	434,002.97
3	1,838.95
4	762.36

1 - 4 / 4 < >



Total Amount

1.6M

Average Tip Amount

1.87

VendorID	fare_amount ^	extra	tip_amount	tolls_amount
1	162,428.91	5,055.5	21,122.6	3,986.11
2	1,162,831.93	5,114	166,130.5	32,755.34