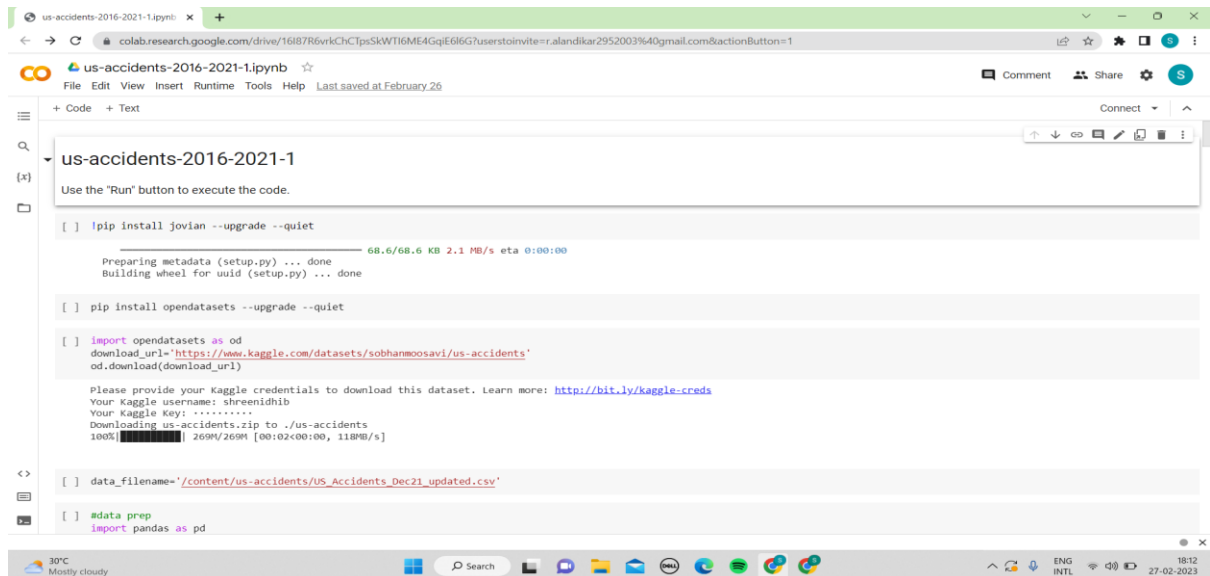


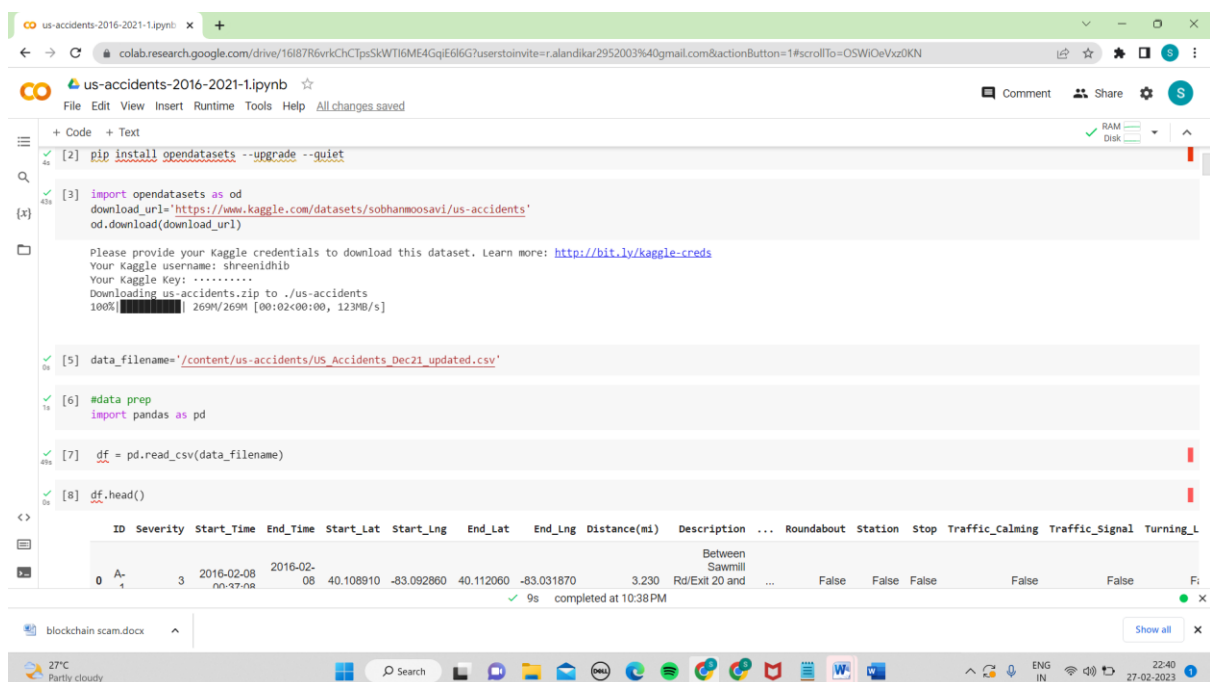
ML-MAJOR-JANUARY-ML-01-MLB2

Dataset taken: tabular dataset of records of us-accidents accounting to almost 4.2 million records



The screenshot shows a Jupyter Notebook titled "us-accidents-2016-2021-1.ipynb". The code cell contains the following steps:

```
[ ] | pip install jovian --upgrade --quiet  
  
Preparing metadata (setup.py) ... done  
Building wheel for uuid (setup.py) ... done  
  
[ ] | pip install opendatasets --upgrade --quiet  
  
[ ] | import opendatasets as od  
download_url='https://www.kaggle.com/datasets/sobhanmoosavi/us-accidents'  
od.download(download_url)  
  
Please provide your Kaggle credentials to download this dataset. Learn more: http://bit.ly/kaggle-creds  
Your Kaggle username: shreenidhib  
Your Kaggle Key: .....  
Downloading us-accidents.zip to ./us-accidents  
100% |#####| 269M/269M [00:02<00:00, 118MB/s]  
  
[ ] | data_filename="/content/us-accidents/US_Accidents_Dec21_updated.csv"  
  
[ ] | #data prep  
import pandas as pd
```



The screenshot shows the same Jupyter Notebook with additional code cells executed. The code includes:

```
[2] | pip install opendatasets --upgrade --quiet  
[3] | import opendatasets as od  
download_url='https://www.kaggle.com/datasets/sobhanmoosavi/us-accidents'  
od.download(download_url)  
  
Please provide your Kaggle credentials to download this dataset. Learn more: http://bit.ly/kaggle-creds  
Your Kaggle username: shreenidhib  
Your Kaggle Key: .....  
Downloading us-accidents.zip to ./us-accidents  
100% |#####| 269M/269M [00:02<00:00, 123MB/s]  
  
[5] | data_filename="/content/us-accidents/US_Accidents_Dec21_updated.csv"  
[6] | #data prep  
import pandas as pd  
[7] | df = pd.read_csv(data_filename)  
[8] | df.head()
```

The output of the `df.head()` command shows the first few rows of the dataset:

ID	Severity	Start_Time	End_Time	Start_Lat	Start_Lng	End_Lat	End_Lng	Distance(mi)	Description	...	Roundabout	Station	Stop	Traffic_Calming	Traffic_Signal	Turning_L
0	A-	2016-02-08 00:47:08	2016-02-08	40.108910	-83.092860	40.112060	-83.031870	3.230	Between Sawmill Rd/Exit 20 and	False	False	False	False	False	Fi

The bottom of the notebook shows a status bar indicating the execution completed at 10:38 PM.

us-accidents-2016-2021-1.ipynb

colab.research.google.com/drive/16i87R6vrkChCTpsSkWTI6ME4GqIE6I6G?userstoinvite=r.alandikar2952003%40gmail.com&actionButton=1#scrollTo=OSWiOeVxz0KN

us-accidents-2016-2021-1.ipynb

File Edit View Insert Runtime Tools Help All changes saved

+ Code + Text

```
[9] Humidity(%), 'Pressure(in)', 'Visibility(mi)', 'Wind_Direction',
      'Wind_Speed(mph)', 'Precipitation(in)', 'Weather_Condition', 'Amenity',
      'Bump', 'Crossing', 'Give_Way', 'Junction', 'No_Exit', 'Railway',
      'Roundabout', 'Station', 'Stop', 'Traffic_Calming', 'Traffic_Signal',
      'Turning_Loop', 'Sunrise_Sunset', 'Civil_Twilight', 'Nautical_Twilight',
      'Astronomical_Twilight'],
      dtype='object')
```

```
[10] len(df.columns)
```

```
[11] df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2845342 entries, 0 to 2845341
Data columns (total 47 columns):
 #   column              dtype
---  ---
 0   ID                  object
 1   Severity            int64
 2   Start_Time         object
 3   End_Time           object
 4   Start_Lat          float64
 5   Start_Lng          float64
 6   End_Lat            float64
 7   End_Lng            float64
 8   Distance(mi)       float64
 9   Description         object
10   Number             float64
11   ...                ...
```

9s completed at 10:38 PM

blockchain scam.docx

27°C Partly cloudy

Search

ENG IN

22:40 27-02-2023

us-accidents-2016-2021-1.ipynb

colab.research.google.com/drive/16i87R6vrkChCTpsSkWTI6ME4GqIE6I6G?userstoinvite=r.alandikar2952003%40gmail.com&actionButton=1#scrollTo=OSWiOeVxz0KN

us-accidents-2016-2021-1.ipynb

File Edit View Insert Runtime Tools Help All changes saved

+ Code + Text

```
missing_percentages[missing_percentages!=0].plot(kind='barh')
```

```
<AxesSubplot:~>
```

```
[20] cities_by_accident[:30].plot(kind='barh')
```

```
<AxesSubplot:~>
```

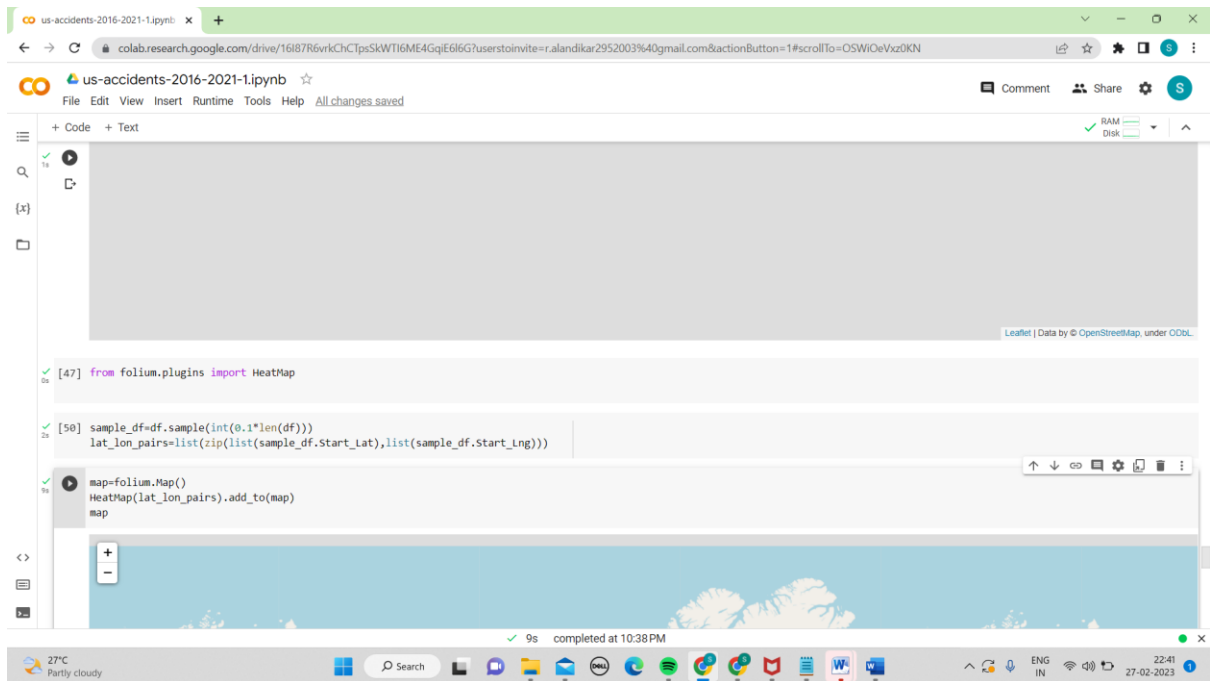
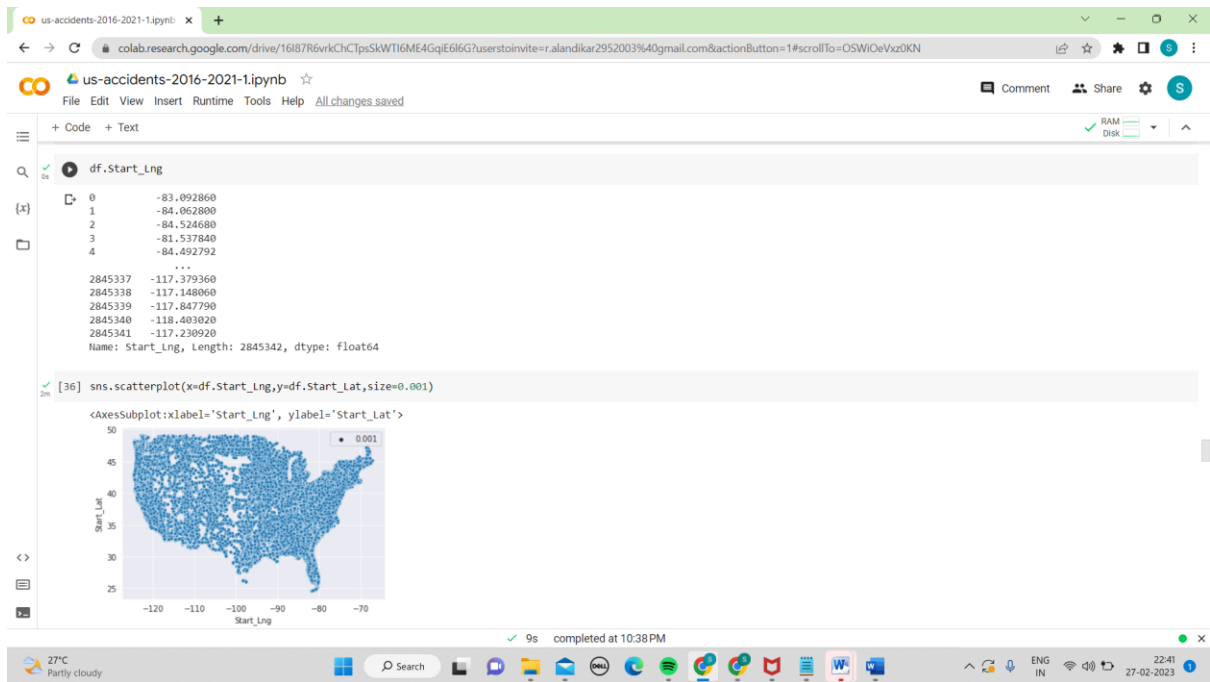
9s completed at 10:38 PM

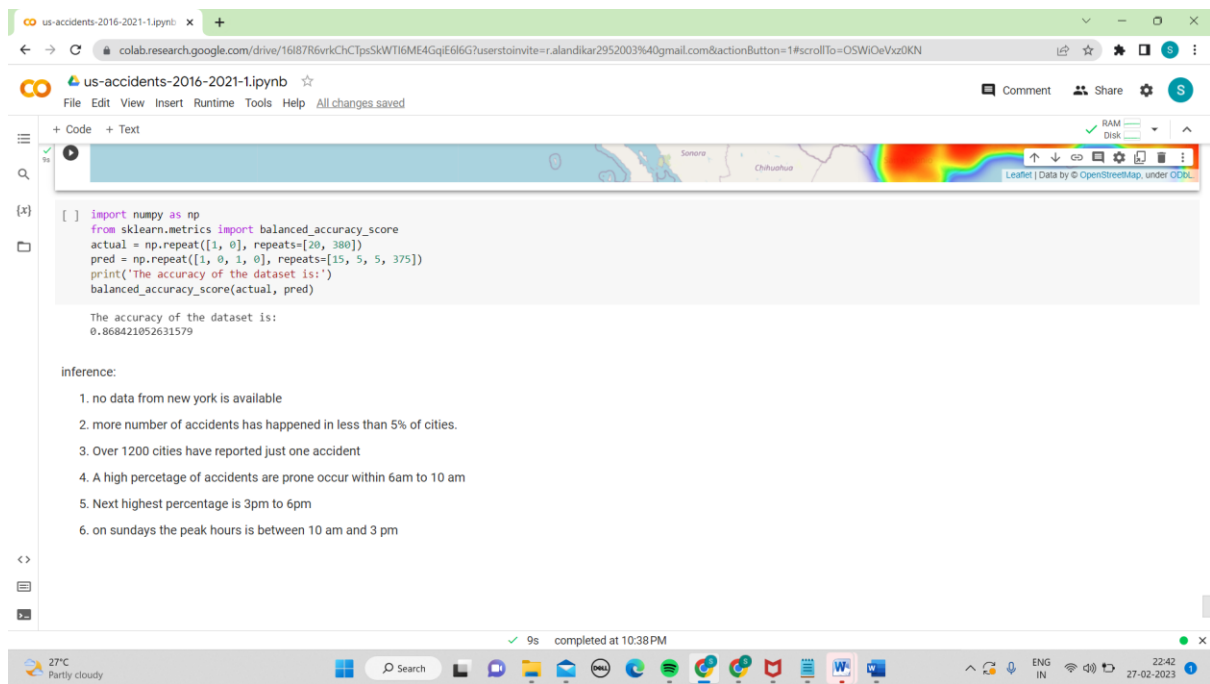
27°C Partly cloudy

Search

ENG IN

22:40 27-02-2023





Google colab link:

<https://colab.research.google.com/drive/16I87R6vrkChCTpsSkWTI6ME4GqiE6l6G?usp=sharing>

Kaggle details:

```
{"username": "shreenidhib", "key": "d3f0a2111a7f5200b723940feee94ef3"}
```