```
from google.colab import files

# File upload prompt
uploaded = files.upload()
```

```
Choose Files No file chosen  Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.
Saving tweets.csv to tweets.csv
```

```
!pip install -U kaleido
```

```
Requirement already satisfied: kaleido in /usr/local/lib/python3.11/dist-packages (1.0.0)
Requirement already satisfied: choreographer>=1.0.5 in /usr/local/lib/python3.11/dist-packages (from kaleido) (1.0.9)
Requirement already satisfied: logistro>=1.0.8 in /usr/local/lib/python3.11/dist-packages (from kaleido) (1.1.0)
Requirement already satisfied: orjson>=3.10.15 in /usr/local/lib/python3.11/dist-packages (from kaleido) (3.10.18)
Requirement already satisfied: packaging in /usr/local/lib/python3.11/dist-packages (from kaleido) (24.2)
Requirement already satisfied: simplejson>=3.19.3 in /usr/local/lib/python3.11/dist-packages (from choreographer>=1.0.5->kaleido) (3.20.1)
```

```
import pandas as pd
import plotly.express as px
import pytz
from datetime import datetime
from google.colab import files
import os
```

```
df = pd.read_csv("tweets.csv")
print("✅ tweets.csv file loaded successfully.")
print(df.head())
```

```
✅ tweets.csv file loaded successfully.
   tweet_id  replies  day  word_count  media_views  media_engagements  \
0      1001       12    1          60          500                 35
1      1002       18    3          80          800                 70
2      1003        5    4          45          300                 10
3      1004       25    5         100         1200                140
4      1005       14    7          70          900                 80

   engagement_rate
0         0.070000
1         0.087500
2         0.033333
3         0.116667
4         0.088889
```

```
df['highlight'] = df['engagement_rate'] > 0.05
```

```
now = datetime.now(pytz.timezone('Asia/Kolkata'))
hour = now.hour
print(f"🕒 Current IST Time: {now.strftime('%I:%M %p')}")
```

```
🕒 Current IST Time: 11:07 PM
```

```
if 18 <= hour <= 23:
    df_filtered = df[
        (df['replies'] > 10) &
        (df['day'] % 2 == 1) &
        (df['word_count'] > 50)
    ]
    print(f"✅ Matching Tweets Found: {len(df_filtered)}")
else:
    df_filtered = pd.DataFrame()
    print("⛔ Current time is outside 6 PM to 11 PM IST.")
```

```
✅ Matching Tweets Found: 15
```

```
if not df_filtered.empty:
    fig = px.scatter(
        data_frame=df_filtered,
        x='media_views',
        y='media_engagements',
        color='highlight',
        hover_data=['tweet_id', 'engagement_rate'],
        title="Media Engagements vs Media Views (Filtered Tweets)"
    )
    fig.show()
```

```
/usr/local/lib/python3.11/dist-packages/kaleido/__init__.py:14: UserWarning:

Warning: You have Plotly version 5.24.1, which is not compatible with this version of Kaleido (1.0.0).

This means that static image generation (e.g. `fig.write_image()`) will not work.

Please upgrade Plotly to version 6.1.1 or greater, or downgrade Kaleido to version 0.2.1.
```