```
!pip install pytrends # install the missing module
import pandas as pd
from pytrends.request import TrendReq
import matplotlib.pyplot as plt
import time

Trending_topics = TrendReq(hl='en-US', tz=360)

# This code is modified by Susobhan Akhuli
```

```
Collecting pytrends
  Downloading pytrends-4.9.2-py3-none-any.whl.metadata (13 kB)
Requirement already satisfied: requests>=2.0 in /usr/local/lib/python3.10/dist-packages (from pytrends) (2.32.3)
Requirement already satisfied: pandas>=0.25 in /usr/local/lib/python3.10/dist-packages (from pytrends) (2.1.4)
Requirement already satisfied: lxml in /usr/local/lib/python3.10/dist-packages (from pytrends) (4.9.4)
Requirement already satisfied: numpy<2,>=1.22.4 in /usr/local/lib/python3.10/dist-packages (from pandas>=0.25->pytrends) (1.26.4)
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.10/dist-packages (from pandas>=0.25->pytrends) (2.8.2)
Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.10/dist-packages (from pandas>=0.25->pytrends) (2024.2)
Requirement already satisfied: tzdata>=2022.1 in /usr/local/lib/python3.10/dist-packages (from pandas>=0.25->pytrends) (2024.1)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests>=2.0->pytrends) (3.3.
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests>=2.0->pytrends) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests>=2.0->pytrends) (2.2.3)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests>=2.0->pytrends) (2024.8.30)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-packages (from python-dateutil>=2.8.2->pandas>=0.25->pytrends
Downloading pytrends-4.9.2-py3-none-any.whl (15 kB)
Installing collected packages: pytrends
Successfully installed pytrends-4.9.2
```

```
kw_list=["Cloud Computing"]
Trending_topics.build_payload(kw_list,cat=0, timeframe='today 12-m')
time.sleep(5) # Wait for 5 seconds

# This code is modified by Susobhan Akhuli



data = Trending_topics.interest_over_time()
data = data.sort_values(by="Cloud Computing", ascending = False)
data = data.head(10)
print(data)

# This code is modified by Susobhan Akhuli
```

```
            Cloud Computing  isPartial
date
2023-12-03              100      False
2023-12-10               96      False
2023-11-26               90      False
2023-10-08               88      False
2024-01-28               87      False
2023-10-22               86      False
2023-11-19               86      False
2023-12-17               86      False
2023-09-24               83      False
2024-01-21               83      False
```

```
kw_list = ["Cloud Computing"]
Trending_topics.build_payload(kw_list, cat=0, timeframe='2018-01-01 2018-02-01', geo='', gprop='')
data = Trending_topics.interest_over_time()
data = data.sort_values(by="Cloud Computing", ascending = False)
data = data.head(10)
print(data)
```

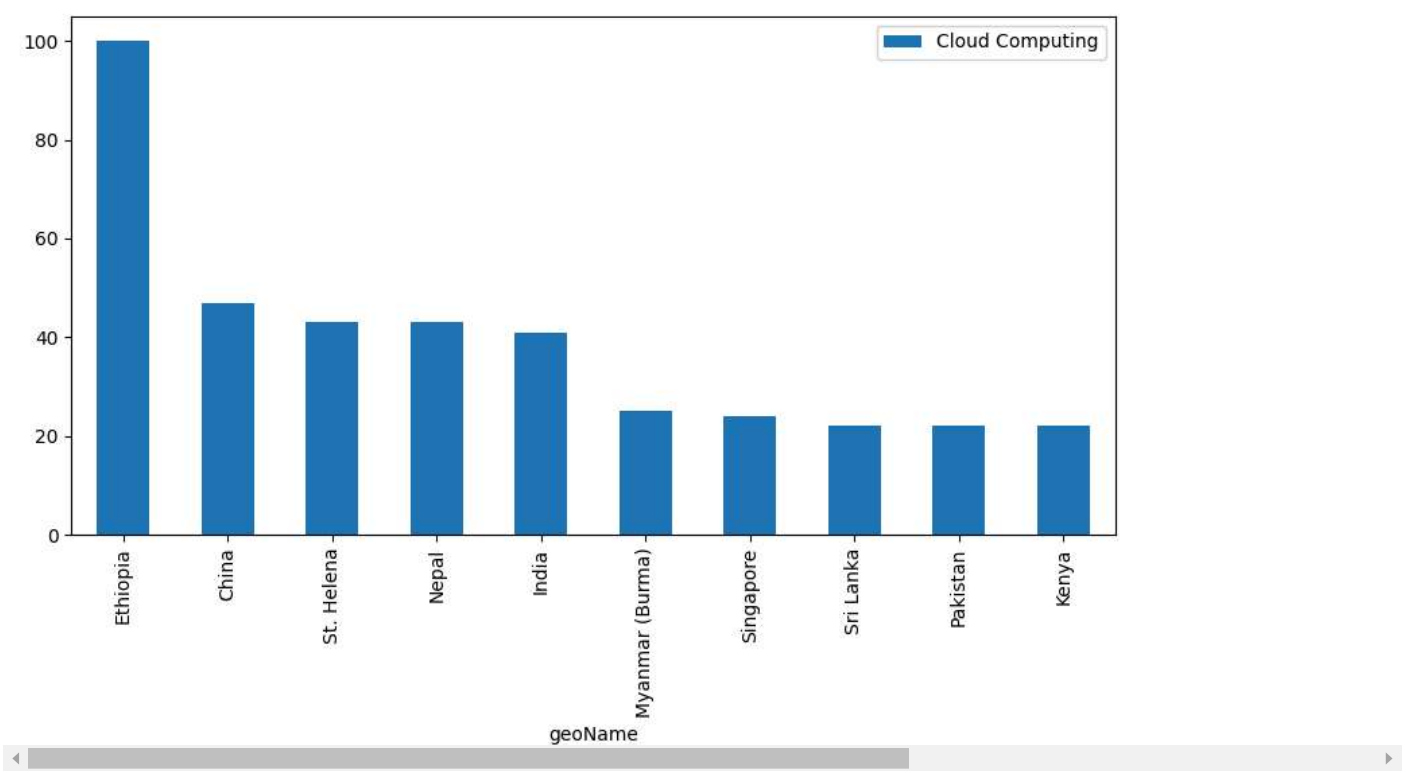
```
            Cloud Computing  isPartial
date
2018-01-30              100      False
2018-01-18               97      False
2018-02-01               95      False
2018-01-08               93      False
2018-01-04               92      False
2018-01-11               90      False
2018-01-24               90      False
2018-01-22               90      False
```

```
2018-01-10              90      False
2018-01-09              89      False
```

```
data = Trending_topics.interest_by_region()
data = data.sort_values(by="Cloud Computing",
                        ascending = False)
data = data.head(10)
print(data)
```

```
                Cloud Computing
geoName
Ethiopia                    100
China                        47
St. Helena                   43
Nepal                        43
India                        41
Myanmar (Burma)              25
Singapore                    24
Sri Lanka                    22
Pakistan                     22
Kenya                        22
```

```
data.reset_index().plot(x='geoName', y='Cloud Computing',
                        figsize=(10,5), kind="bar")
plt.style.use('fivethirtyeight')
plt.show()
```




```
df = Trending_topics.top_charts(2020, hl='en-US',
                                tz=300, geo='GLOBAL')
df.head(10)
```

	title	exploreQuery
0	Coronavirus	
1	Election results	
2	Kobe Bryant	
3	Zoom	
4	IPL	
5	India vs New Zealand	
6	Coronavirus update	
7	Coronavirus symptoms	
8	Joe Biden	
9	Google Classroom	

Next steps: Generate code with df | View recommended plots | New interactive sheet

```
try:
    Trending_topics.build_payload(kw_list=['Cloud Computing'])
    related_queries = Trending_topics.related_queries()
    related_queries.values()
except (KeyError, IndexError):
    print("No related queries found for 'Cloud Computing'")
```

```
No related queries found for 'Cloud Computing'
```

```
keywords = Trending_topics.suggestions(
  keyword='Cloud Computing')
df = pd.DataFrame(keywords)
df.drop(columns= 'mid')
```

	title	type
0	Cloud computing	Topic
1	Cloud computing	Topic
2	Cloud computing security	Topic

Start coding or generate with AI.