

Russian - Ukrainian War

This is a dataset that I obtained from Kaggle.com. Freedom is costly..

```
In [1]: !date
```

Sun 07 May 2023 11:22:36 AM EDT

```
In [2]: from IPython import display
display.Image("/home/harlohutch77/python/python_master/Ukraine.jpg", height=400, width=800)
```



```
In [1]: # these lines of code are importing libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
```

```
In [2]: #this code is to retrieve the dataset from the csv file
uk = pd.read_csv("/home/harlohutch77/python/python_master/ukr.csv")
```

```
In [3]: uk.describe()
```

	latitude	longitude
count	1119.000000	1119.000000
mean	48.773596	35.029639
std	1.417028	2.984382
min	46.053975	23.922842
25%	47.497650	32.591412
50%	48.858407	36.241945
75%	50.021865	37.561501
max	52.383736	39.850253

```
In [4]: uk.head(5)
```

	id	date	latitude	longitude	location	description	sources	
0	CIV0001	02/24/2022	49.850050	36.659031	Chuhuiv, south of Kharkiv	Apartment block hit. Crater is very large, pos...	https://twitter.com/Michael1Sheldon/status/149...	affected=Res
1	CIV0002	02/24/2022	48.748564	30.218515	Uman	Civilians hit by what appears to have been art...	https://twitter.com/ragipsoylu/status/14967372...	affected=Com
2	CIV0003	02/24/2022	50.470055	30.527381	Kyiv	Explosion in central Kyiv, nothing further yet.	https://twitter.com/FannyFacsar/status/1496787...	affected=Un
3	CIV0004	02/24/2022	47.775537	37.239601	Vuhledar	Explosion in central Kyiv, nothing further yet.	https://twitter.com/IBN_MOHAMMAD/status/149677...	affected=Hea
4	CIV0007	02/24/2022	46.227890	34.642830	Semihatka/Henichesk	[Graphic: Image shows a dead child wrapped in ...	https://twitter.com/GayanaYuksel/status/149683...	affected=Un

```
In [5]: uk[["id","date","associations"]]
```

	id	date	associations
0	CIV0001	02/24/2022	Type of area affected=Residential,Weapon Syste...
1	CIV0002	02/24/2022	Type of area affected=Commercial,Weapon System...
2	CIV0003	02/24/2022	Type of area affected=Undefined,Weapon System=...
3	CIV0004	02/24/2022	Type of area affected=Healthcare,Weapon System=...
4	CIV0007	02/24/2022	Type of area affected=Undefined,Weapon System=...
...
1114	CIV1992	04/08/2023	Type of area affected=Food/Food Infrastructure...
1115	CIV1988	04/11/2023	Type of area affected=Religious,Weapon System=...
1116	CIV1997	04/14/2023	Type of area affected=Residential,Weapon Syste...
1117	CIV1998	04/15/2023	Type of area affected=Residential,Weapon Syste...
1118	CIV2024	04/28/2023	Type of area affected=Residential,Weapon Syste...

1119 rows × 3 columns

```
In [6]: # this information below is to import and make the visualizations possible in this project
from plotly import __version__
from plotly.offline import download_plotlyjs, init_notebook_mode, plot, iplot

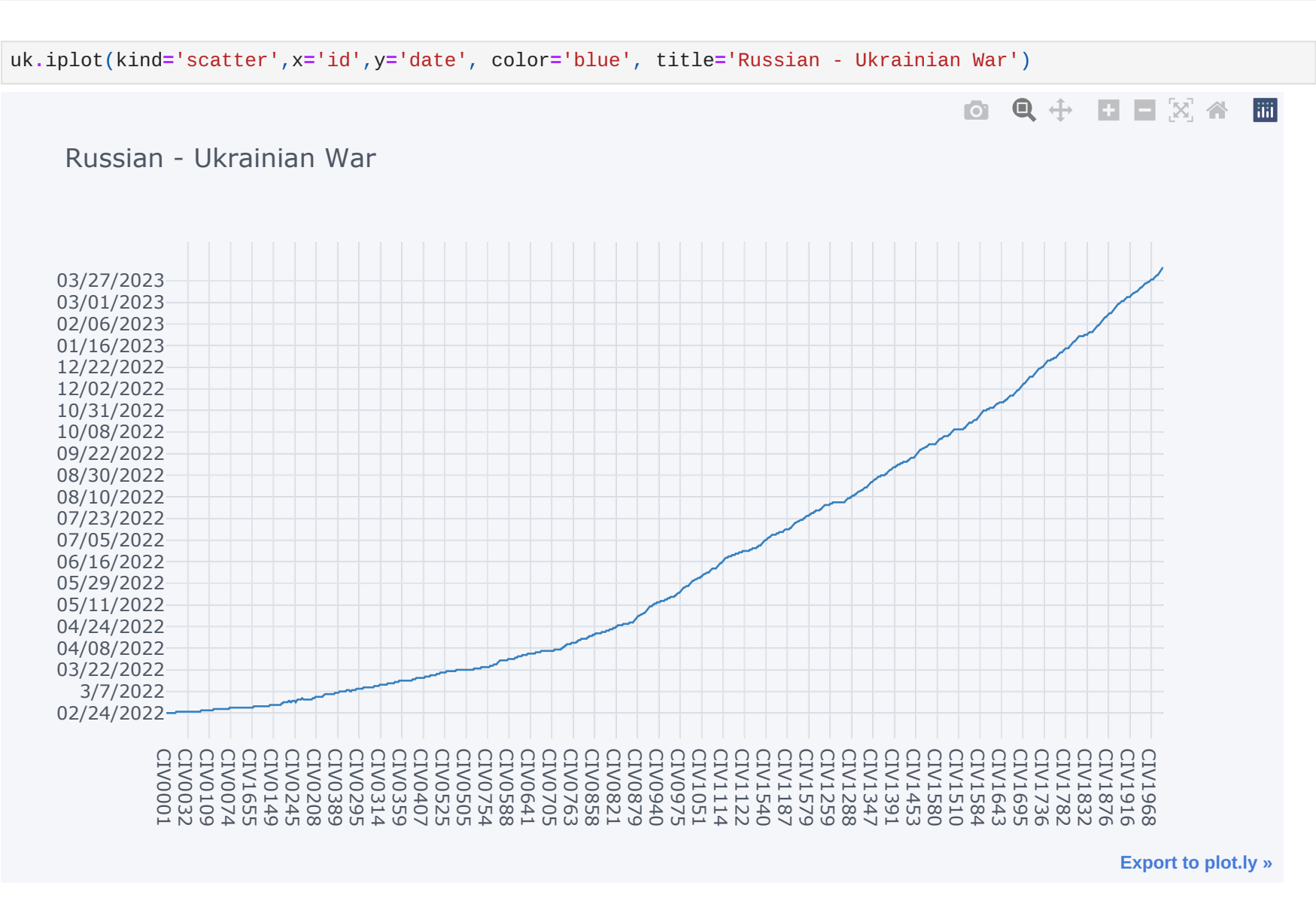
print(__version__) # requires version >= 1.9.0
5.7.0
```

```
In [7]: import cufflinks as cf
```

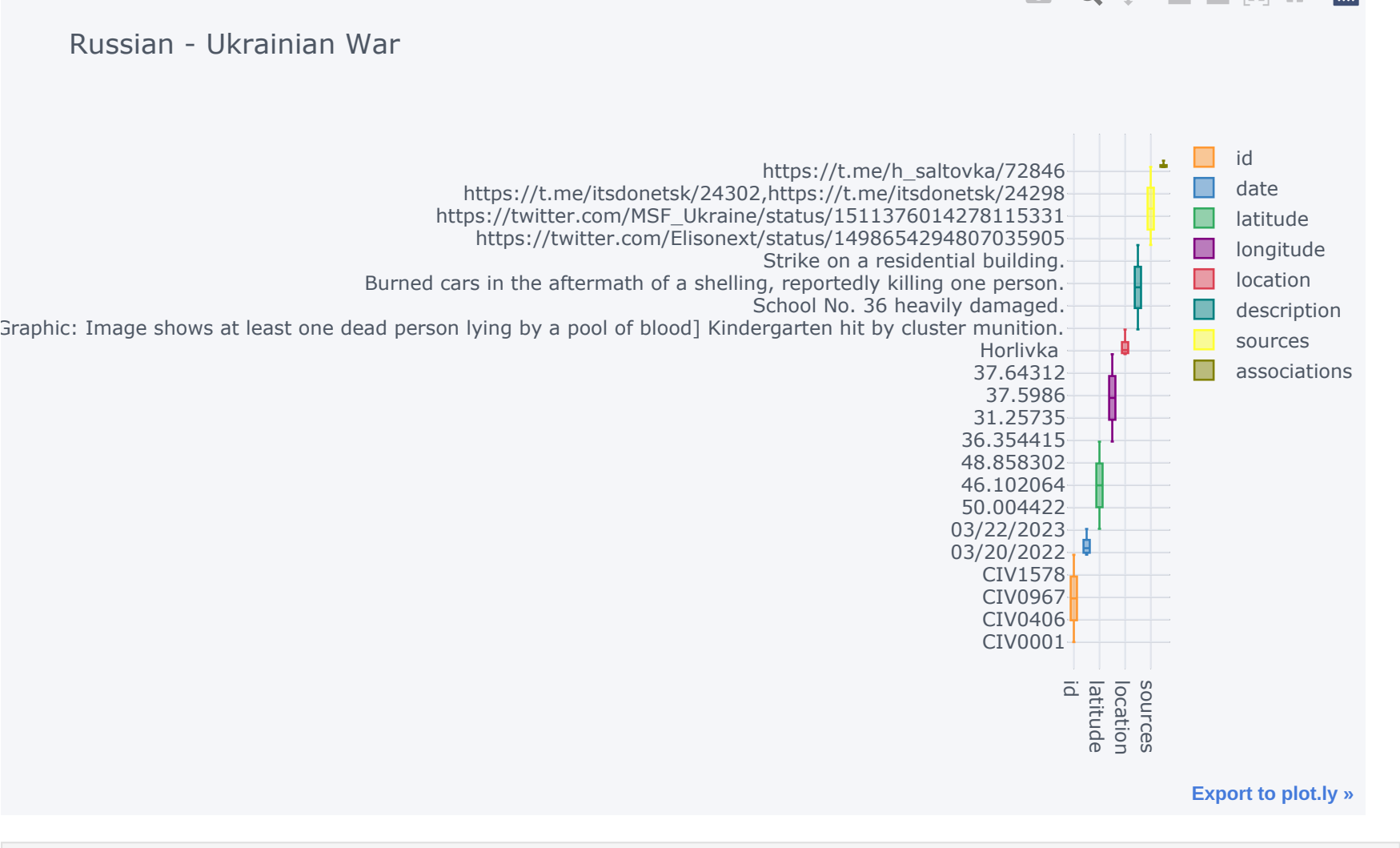
```
In [8]: # For Notebooks
init_notebook_mode(connected=True)
```

```
In [9]: # For offline use
cf.go_offline()
```

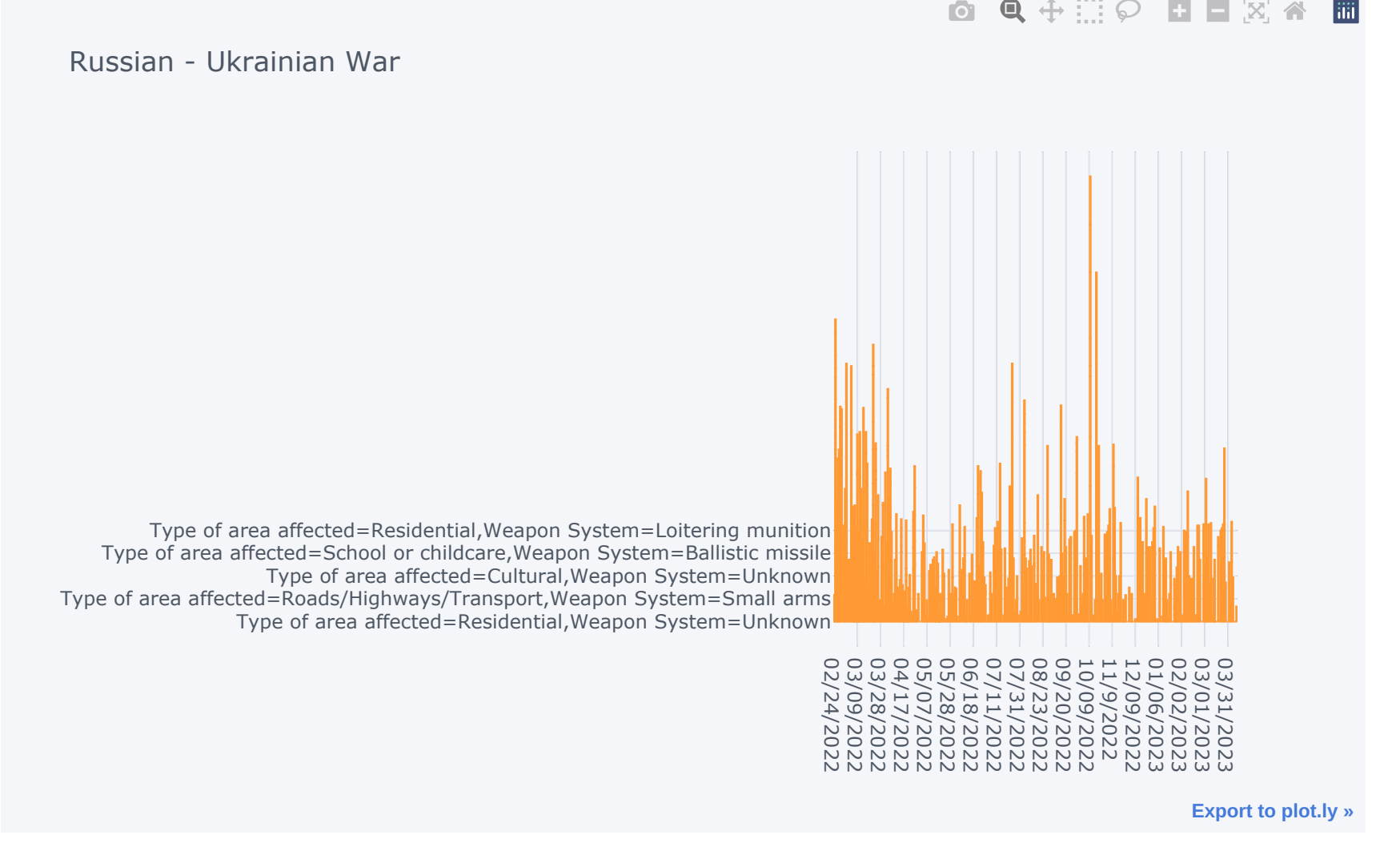
```
In [10]: uk.iplot(kind='scatter',x='id',y='date', color='blue', title='Russian - Ukrainian War')
```



```
In [11]: uk.iplot(kind='box',x='id',y='associations', title='Russian - Ukrainian War') #color='green')
```



```
In [12]: uk.iplot(kind='bar',x='date',y='associations', title='Russian - Ukrainian War')# color='blue'
```



The reason or reasons for Russian - Ukranian war per BBC.com; Not my statements

```
In [13]: #What is the main reason for the Russian - Ukrainian war?
#The seeds of this war was sown in 2013, when Moscow persuaded Ukraine's pro-Russian leader to scrap a
#planned pact with the European Union, prompting protests that ultimately brought him down and led to
#Russia seizing Crimea and staging a land-grab in the east. Feb 24, 2023
```

```
In [14]: #BBC https://www.bbc.com/news/world-europe-56720589
```

```
In [15]: #NATO https://www.nato.int/cps/en/natohq/topics_192648.htm
```