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In [1]: import pandas as pd
import numpy as np
import plotly.express as px
import plotly.graph_objects as go
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In [2]: data=pd.read_csv('Screentime-App-Details-Dataset.csv')
```

```
In [3]: data.head(10)
```

Out[3]:

	Date	Usage	Notifications	Times opened	App
0	08/26/2022	38	70	49	Instagram
1	08/27/2022	39	43	48	Instagram
2	08/28/2022	64	231	55	Instagram
3	08/29/2022	14	35	23	Instagram
4	08/30/2022	3	19	5	Instagram
5	08/31/2022	19	25	20	Instagram
6	09/01/2022	44	23	57	Instagram
7	09/02/2022	16	28	22	Instagram
8	09/03/2022	27	15	25	Instagram
9	09/04/2022	72	29	30	Instagram

```
In [4]: data.isnull()
```

```
Out[4]:
```

	Date	Usage	Notifications	Times opened	App
0	False	False	False	False	False
1	False	False	False	False	False
2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
5	False	False	False	False	False
6	False	False	False	False	False
7	False	False	False	False	False
8	False	False	False	False	False
9	False	False	False	False	False
10	False	False	False	False	False
11	False	False	False	False	False
12	False	False	False	False	False
13	False	False	False	False	False
14	False	False	False	False	False
15	False	False	False	False	False
16	False	False	False	False	False

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53 False False False False False
```

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In [5]: data.isnull().sum()
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Out[5]: Date          0
Usage          0
Notifications    0
Times opened    0
App            0
dtype: int64
```

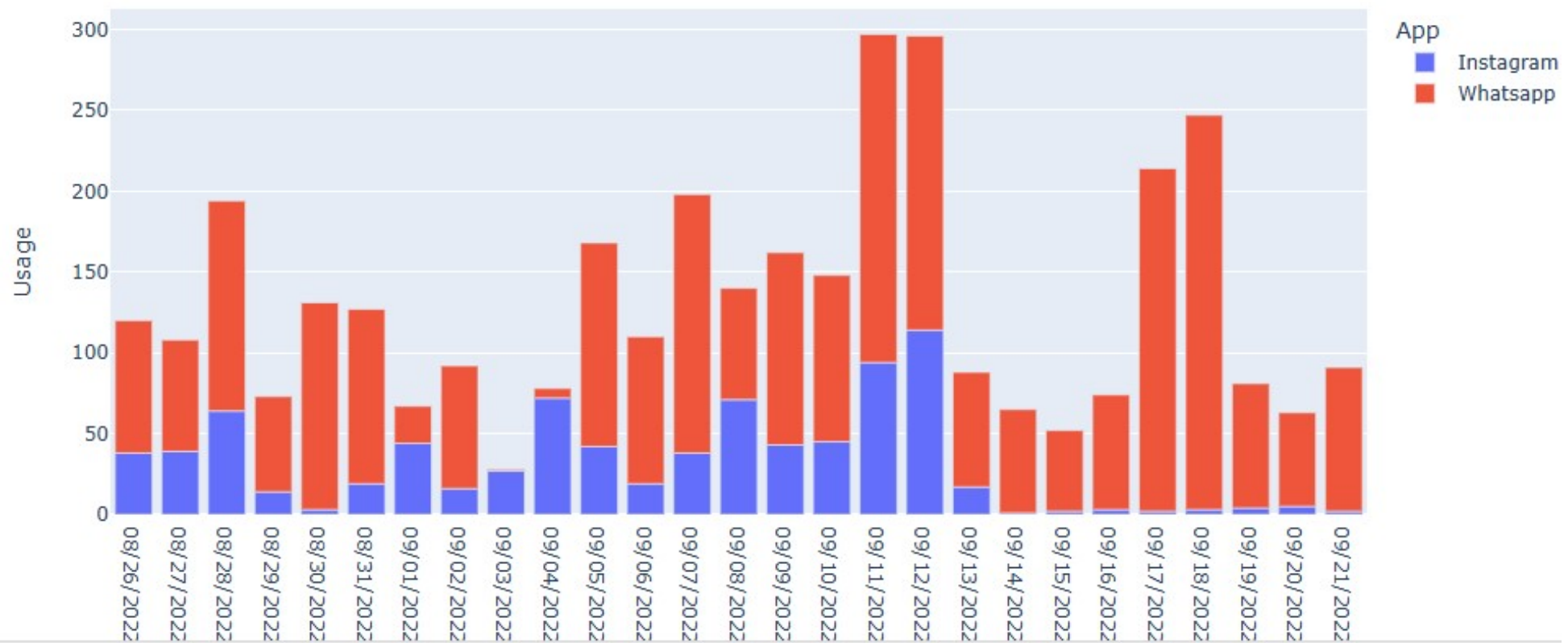
```
In [6]: data.describe()
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Out[6]:
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	Usage	Notifications	Times opened
count	54.000000	54.000000	54.000000
mean	65.037037	117.703704	61.481481
std	58.317272	97.017530	43.836635
min	1.000000	8.000000	2.000000
25%	17.500000	25.750000	23.500000
50%	58.500000	99.000000	62.500000
75%	90.500000	188.250000	90.000000
max	244.000000	405.000000	192.000000

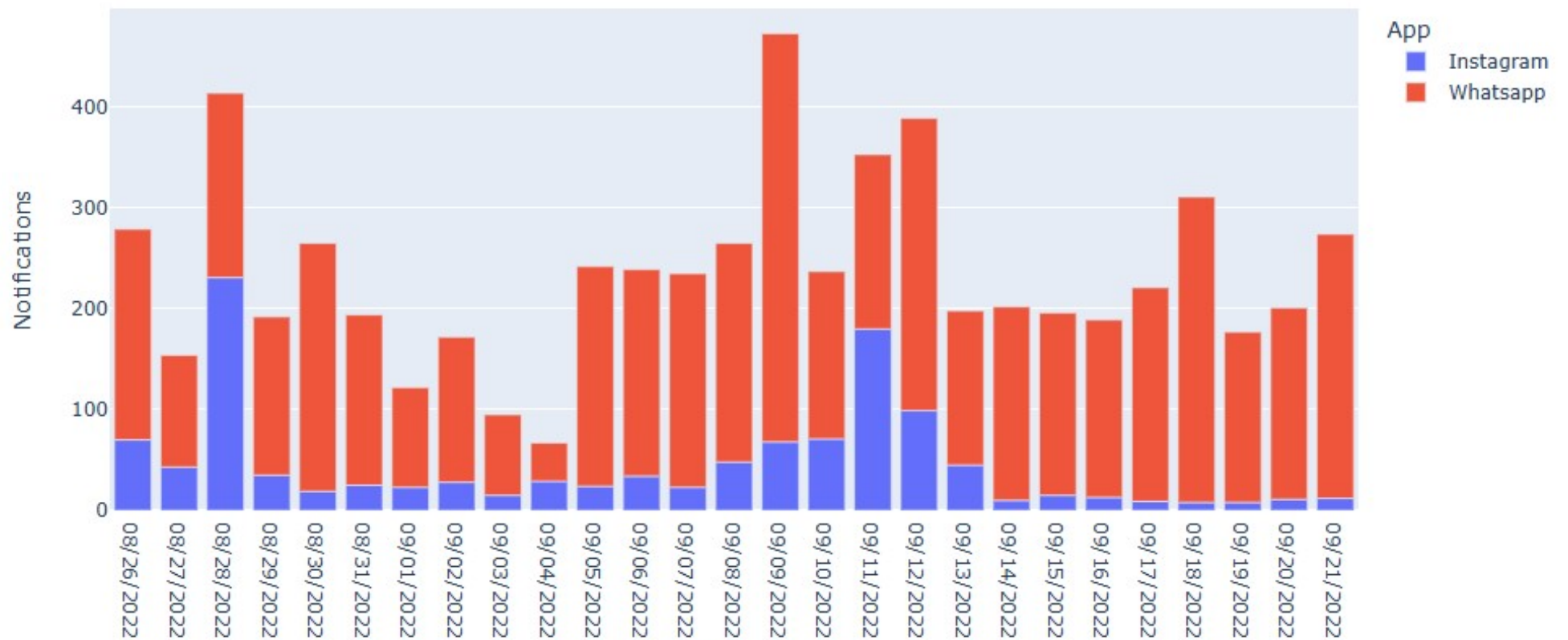
```
In [7]: figure=px.bar(data_frame=data,x="Date",y="Usage",color="App",title="usage graph by koushal jatav")
figure.show()
```

usage graph by koushal jatav

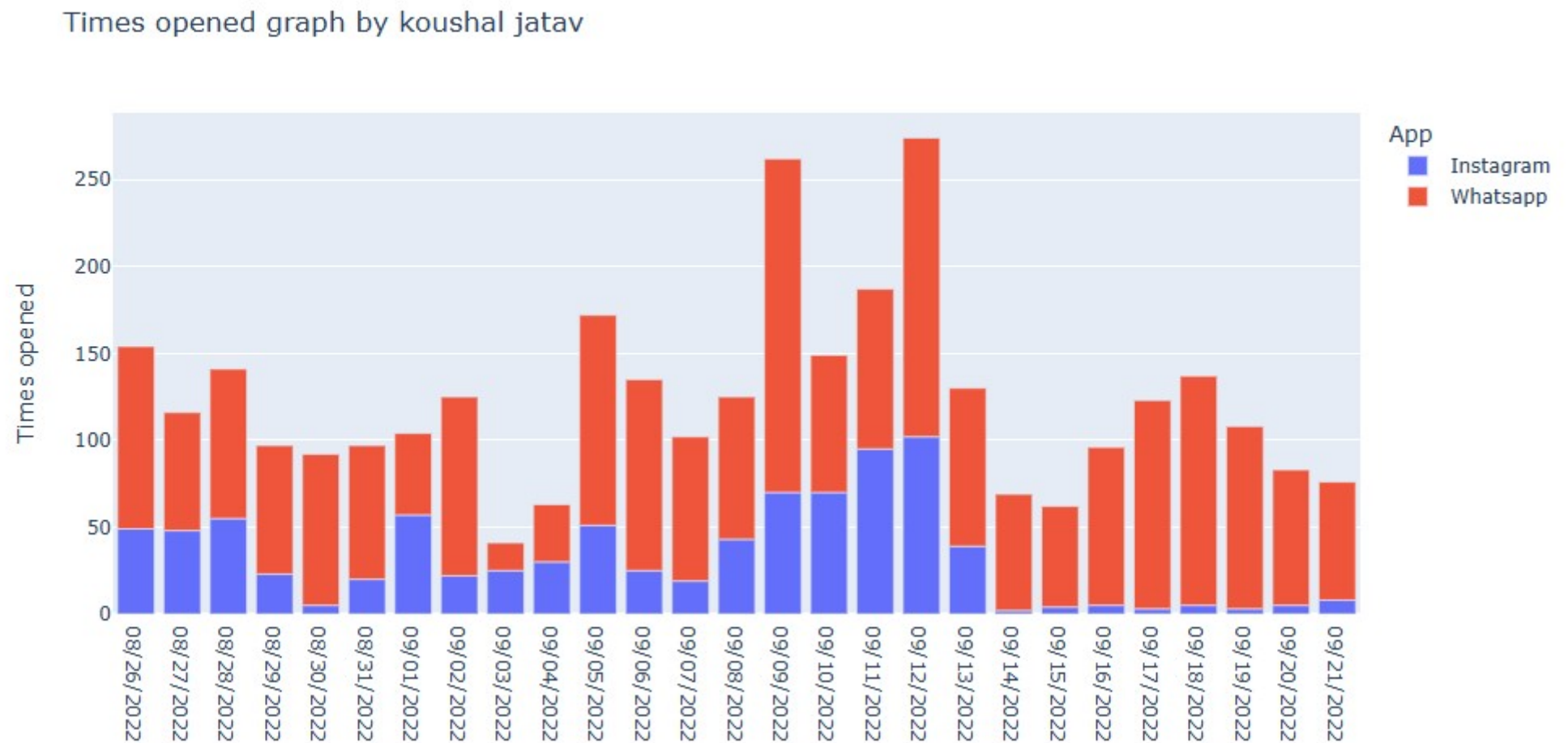


```
In [8]: figure=px.bar(data_frame=data,x="Date",y="Notifications",color="App",title="Notifications graph by koushal jatav")
figure.show()
```

Notifications graph by koushal jatav



```
In [9]: figure=px.bar(data_frame=data,x="Date",y="Times opened",color="App",title="Times opened graph by koushal jatav")
figure.show()
```




```
In [10]: figure=px.scatter(data_frame=data,x="Notifications",y="Usage",  
size="Notifications",trendline="ols",title="Relationship between no. of notification and amount of usage ")  
figure.show()
```

