In [1]:
```
import cufflinks as cf
import numpy as np
import pandas as pd
import seaborn as sns
```

In [2]:
```
cf.go_offline()
```

In [4]:
```
df=pd.DataFrame(np.random.randn(100,3),columns=['A','B','C'])
```

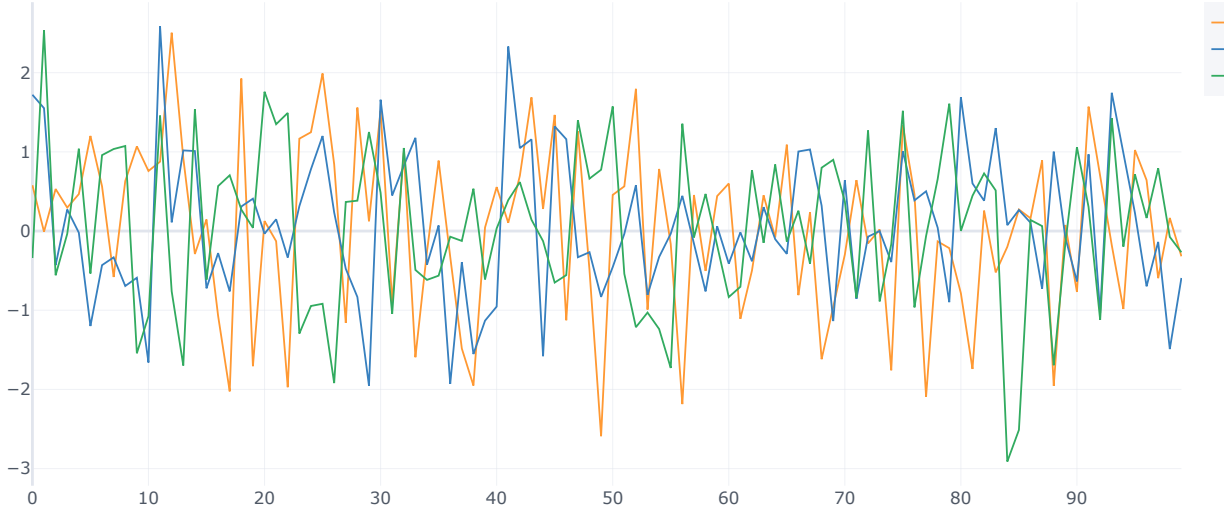
In [5]:
```
df
```

Out[5]:

	A	B	C
0	0.578780	1.721208	-0.340369
1	-0.008529	1.551689	2.536505
2	0.531024	-0.429995	-0.558300
3	0.295759	0.272339	-0.035854
4	0.466965	-0.020539	1.039645
...	...	...	...
95	1.023090	0.226603	0.714978
96	0.642854	-0.697681	0.164926
97	-0.595118	-0.136985	0.793227
98	0.165562	-1.490505	-0.074224
99	-0.318656	-0.592602	-0.268131

100 rows × 3 columns

In [6]:
```
df.iplot()
```



In [7]:
```
df1=pd.DataFrame(np.random.randint(3,100,(100,1)))
```

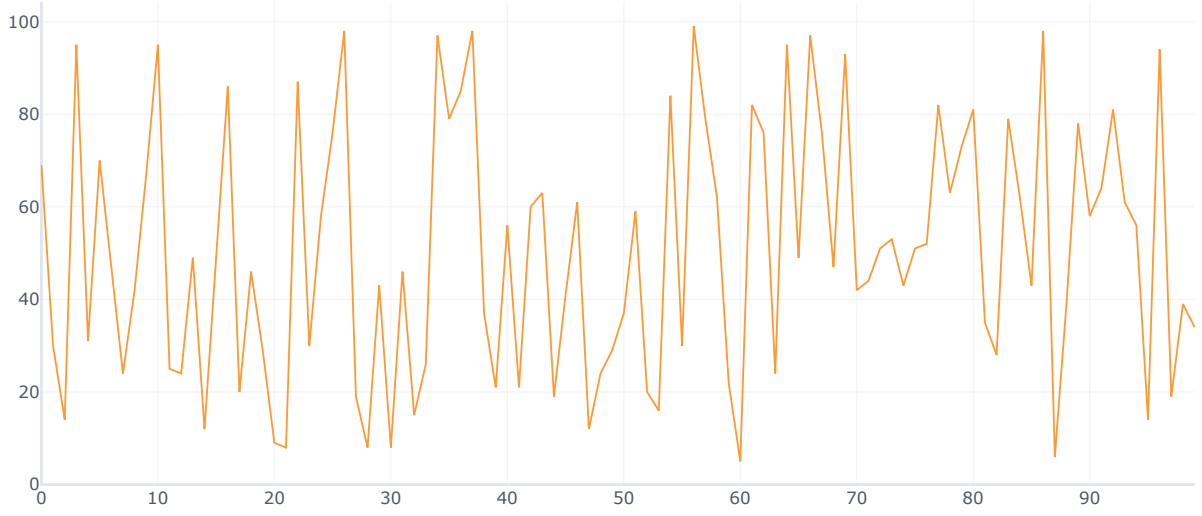
In [8]:
```
df1
```

Out[8]:

	0
0	69
1	30
2	14
3	95
4	31
...	...
95	14
96	94
97	19
98	39
99	34

100 rows × 1 columns

In [9]:
```
df1.iplot()
```



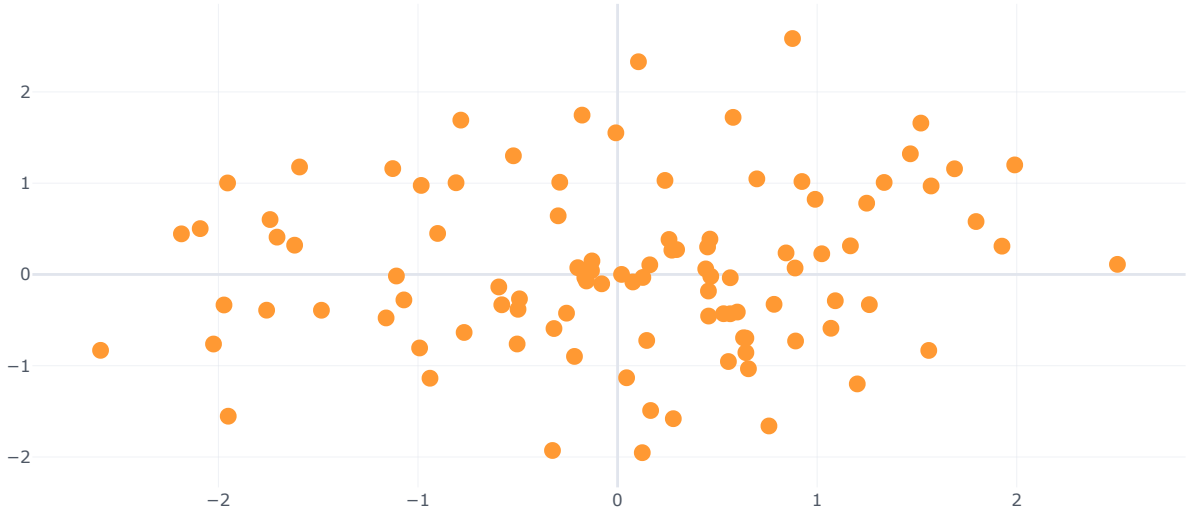
In [10]:
```
df
```

Out[10]:

	A	B	C
0	0.578780	1.721208	-0.340369
1	-0.008529	1.551689	2.536505
2	0.531024	-0.429995	-0.558300
3	0.295759	0.272339	-0.035854
4	0.466965	-0.020539	1.039645
...	...	...	...
95	1.023090	0.226603	0.714978
96	0.642854	-0.697681	0.164926
97	-0.595118	-0.136985	0.793227
98	0.165562	-1.490505	-0.074224
99	-0.318656	-0.592602	-0.268131

100 rows × 3 columns

In [11]:
```
df.iplot(x='A',y='B',mode='markers')
```



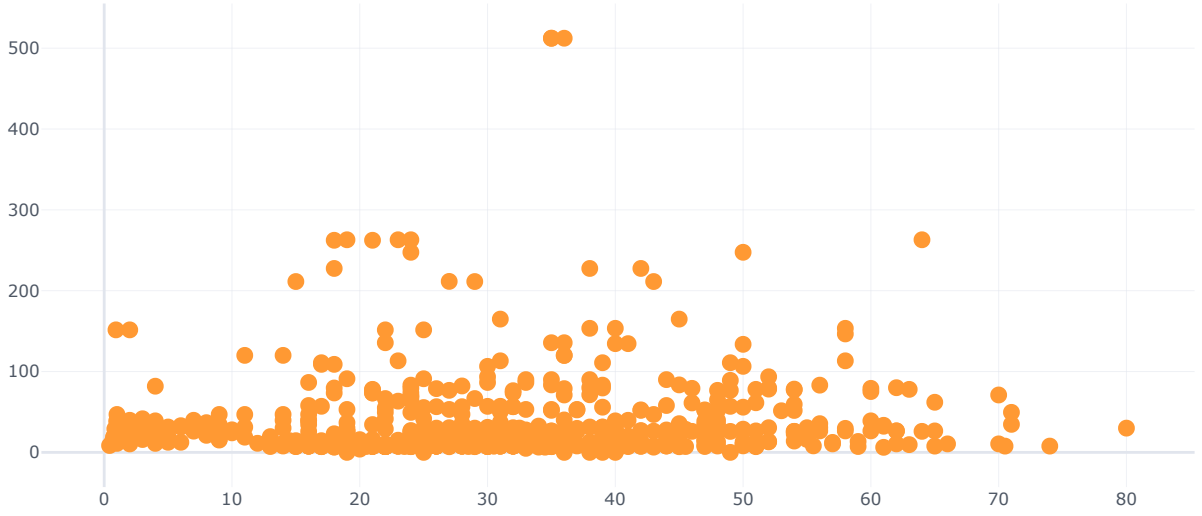
In [12]:
```
df2=sns.load_dataset('titanic')
```

In [13]:
```
df2.head()
```

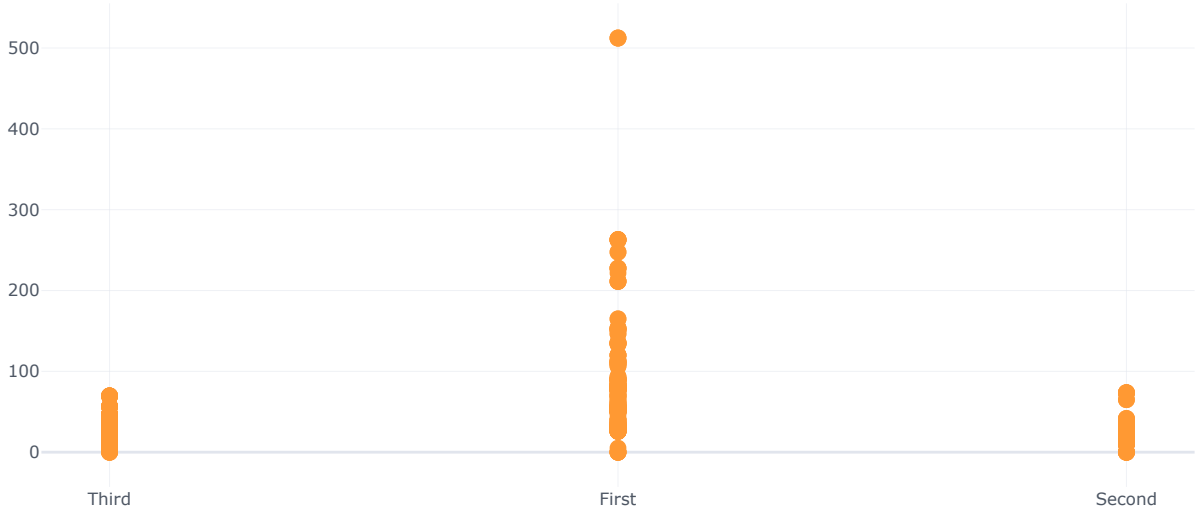
Out[13]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	Southampton	no	False
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	Southampton	yes	True
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	Southampton	no	True

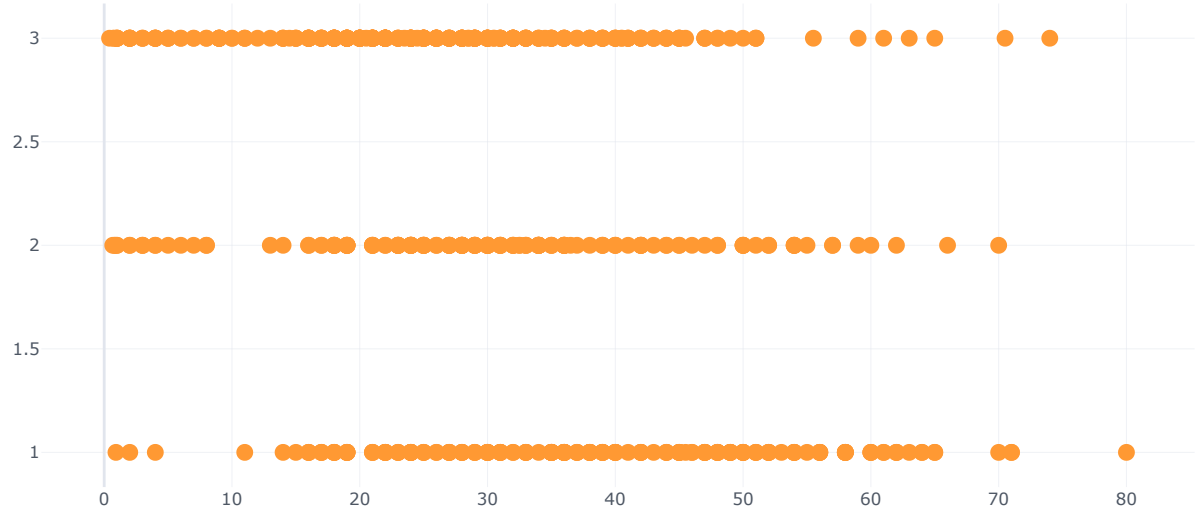
In [16]:
```
df2.iplot(x='age',y='fare',mode='markers')
```



In [18]:
```
df2.iplot(x='class',y='fare',mode='markers')
```



In [19]:
```
df2.iplot(x='age',y='pclass',mode='markers')
```



In [20]:
```
df2.head()
```

Out[20]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	Southampton	no	False
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	Southampton	yes	True
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	Southampton	no	True

In [24]:
```
df2.iplot(x='sex',y='survived',kind='bar')
```