

```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
import plotly.express as px
%matplotlib inline
```

```
import cufflinks as cf
```

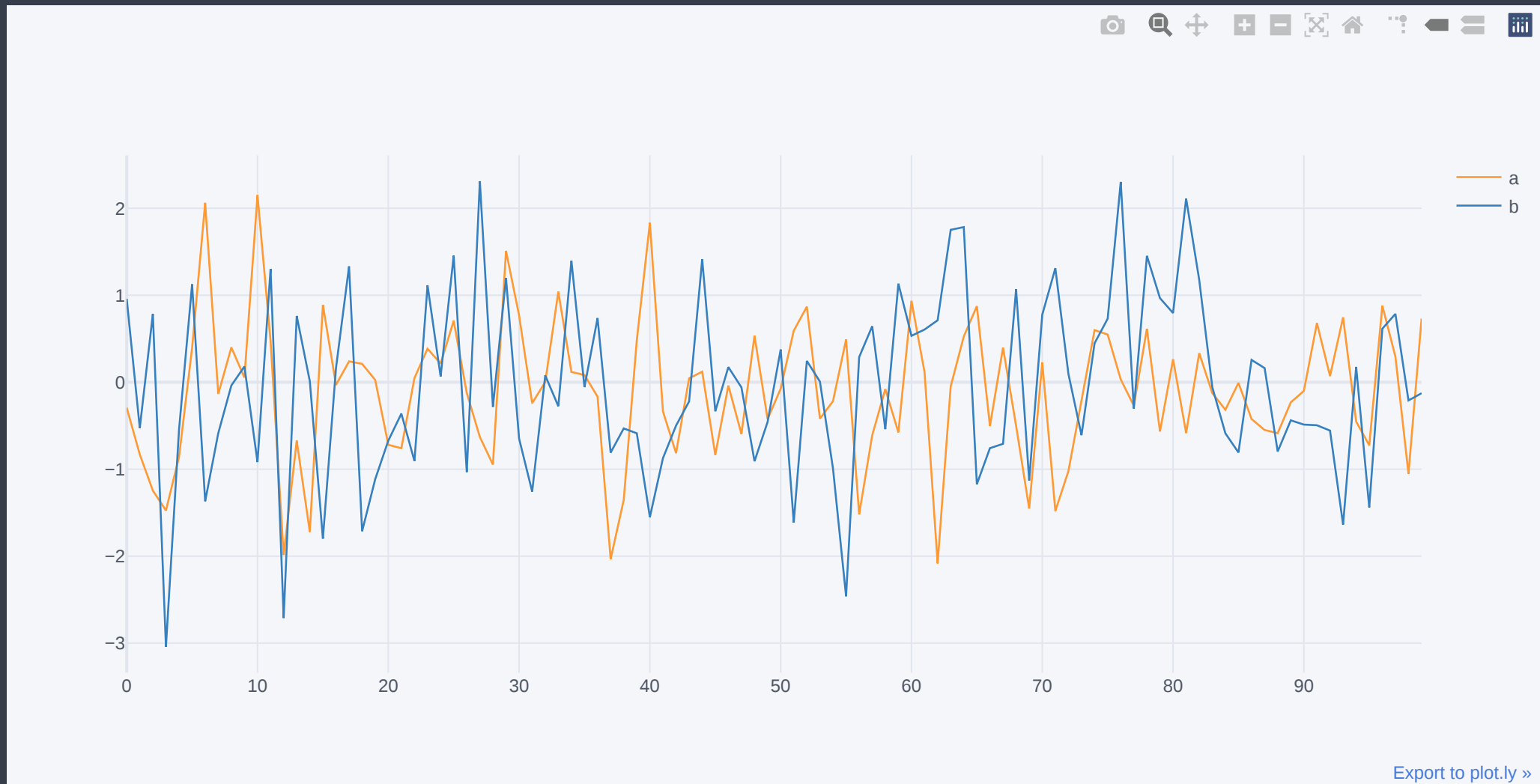
```
from plotly.offline import download_plotlyjs, init_notebook_mode, plot, iplot
init_notebook_mode(connected=True)
cf.go_offline()
```

```
df = pd.DataFrame(np.random.randn(100,2), columns=["a","b"])
```

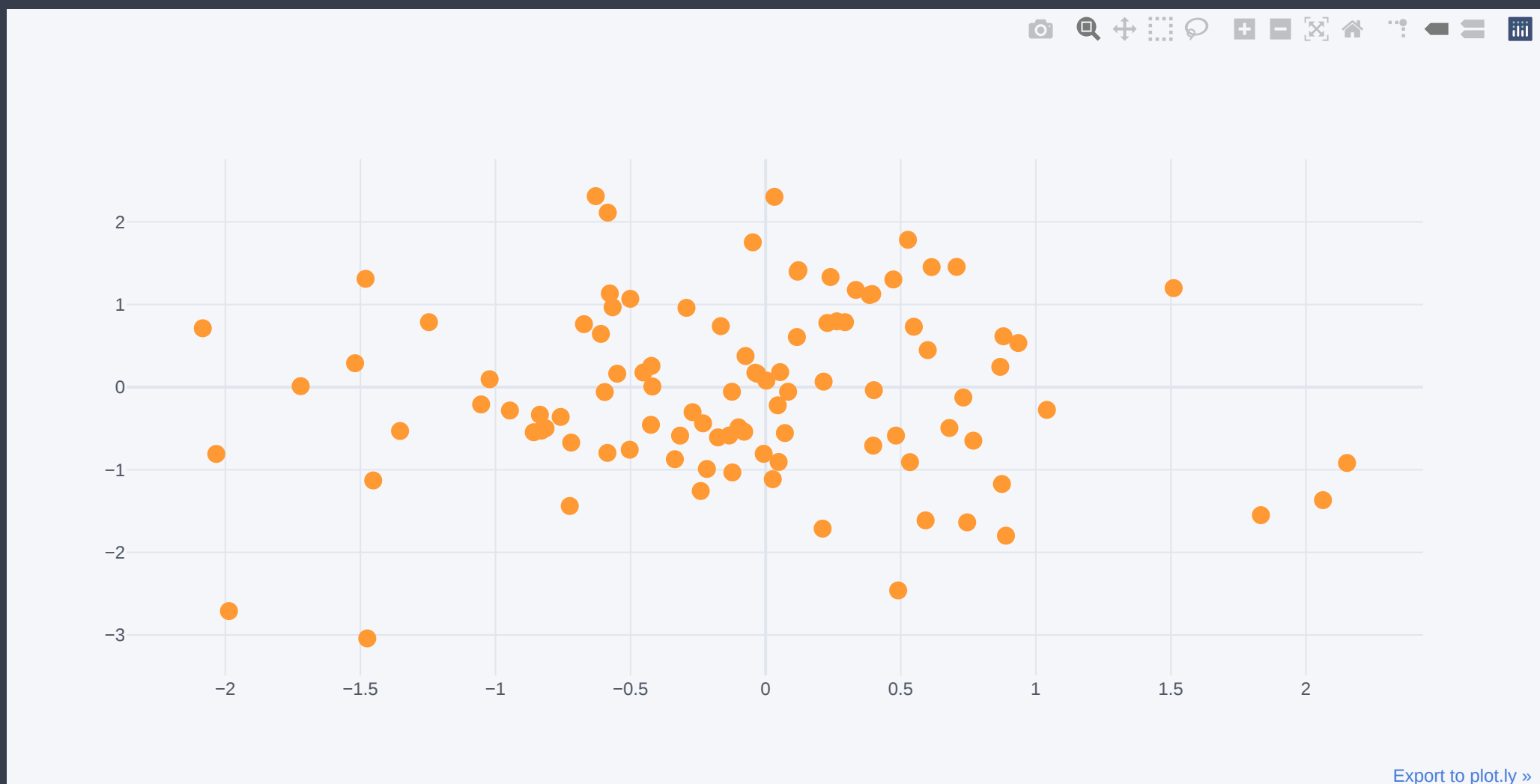
```
df.head(50)
```

	a	b
0	-0.293104	0.959378
1	-0.830423	-0.527251
2	-1.246129	0.785887
3	-1.474449	-3.041767
4	-0.858252	-0.546124
5	0.394281	1.126668
6	2.062833	-1.368315
7	-0.134705	-0.586053
8	0.400511	-0.037531
9	0.053656	0.181373
10	2.151720	-0.918291
11	0.472637	1.302841
12	-1.986437	-2.710956
13	-0.672377	0.761947
14	-1.720971	0.011515
15	0.889381	-1.798366
16	-0.030978	0.161928
17	0.240089	1.332262
18	0.210925	-1.712851
19	0.026414	-1.114772
20	-0.719634	-0.671505
21	-0.758625	-0.361070
22	0.048127	-0.906239
23	0.384882	1.114505
24	0.214521	0.066243
25	0.706960	1.455102
26	-0.123205	-1.032824
27	-0.628898	2.311104
28	-0.946593	-0.283232
29	1.510149	1.198215
30	0.768640	-0.648202
31	-0.240269	-1.257509
32	0.002568	0.078458
33	1.040947	-0.275676
34	0.118294	1.397301
35	0.083123	-0.056178
36	-0.166070	0.737873
37	-2.033256	-0.809032
38	-1.353180	-0.531245
39	0.482244	-0.586964
40	1.833092	-1.550236
41	-0.335957	-0.872937
42	-0.814715	-0.498687
43	0.044828	-0.220484
44	0.121279	1.415182
45	-0.835660	-0.334038
46	-0.037970	0.174119
47	-0.595457	-0.059375
48	0.534186	-0.908227
49	-0.424619	-0.456553

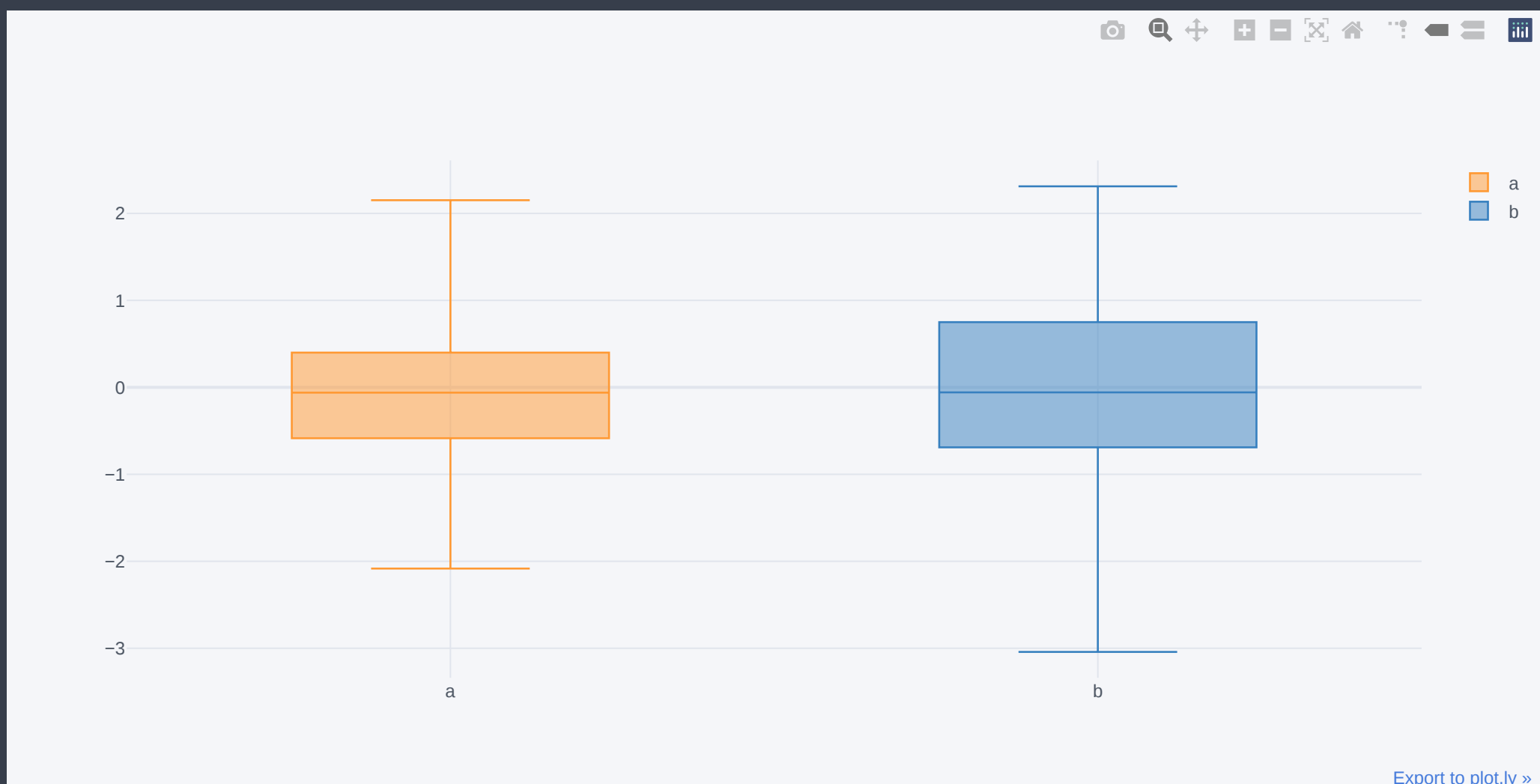
```
df.iplot() #
```



```
df.iplot(kind="scatter",x="a",y="b", mode="markers")
```



```
df.iplot(kind='box')
```



```
df.iplot(kind="surface")
```

