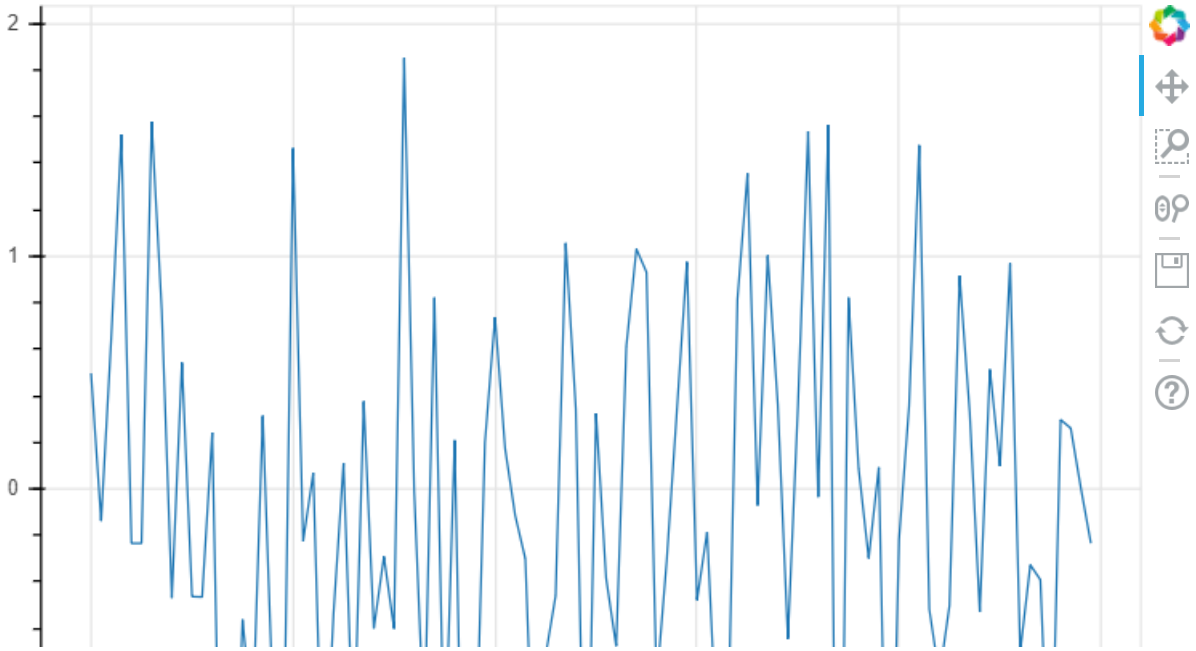
[1]
```
import bokeh
from bokeh.plotting import figure, output_file, show
```

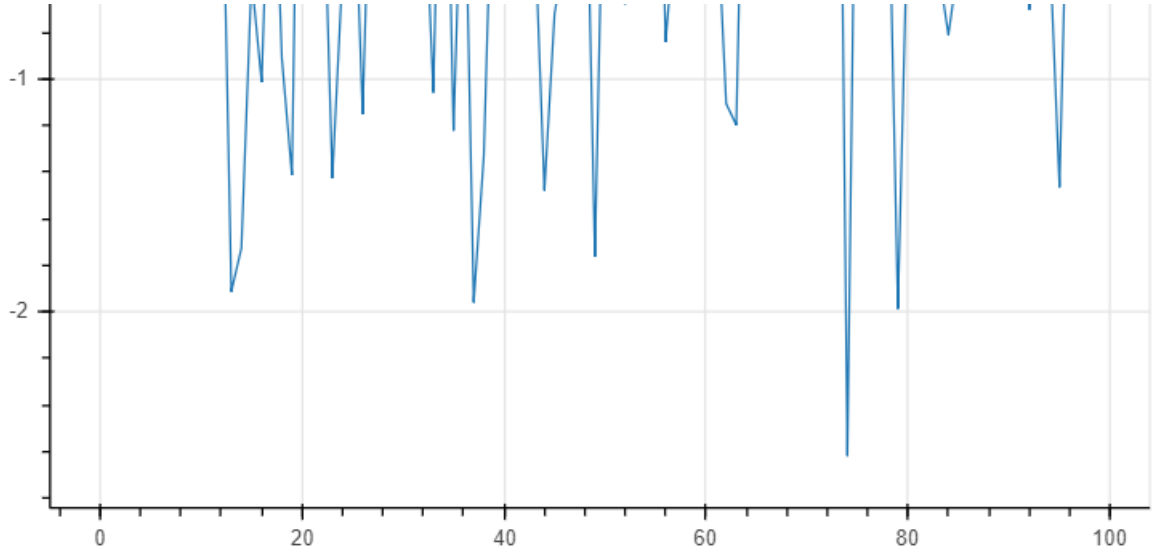
[2]
```
import bokeh
import numpy as np
from bokeh.models import Circle, ColumnDataSource, Line,
LinearAxis, Range1d
from bokeh.plotting import figure, output_notebook, show
from bokeh.core.properties import value

output_notebook()  # output bokeh plots to jupyter notebook
np.random.seed(42)
```

BokehJS 1.0.4 successfully loaded.

[3]
```
N = 100
data_source = ColumnDataSource(
    data=dict(
        x0=np.arange(N),
        x1=np.random.standard_normal(size=N),
        x2=np.arange(10, N + 10),
        x3=np.random.standard_normal(size=N),
    )
)
```

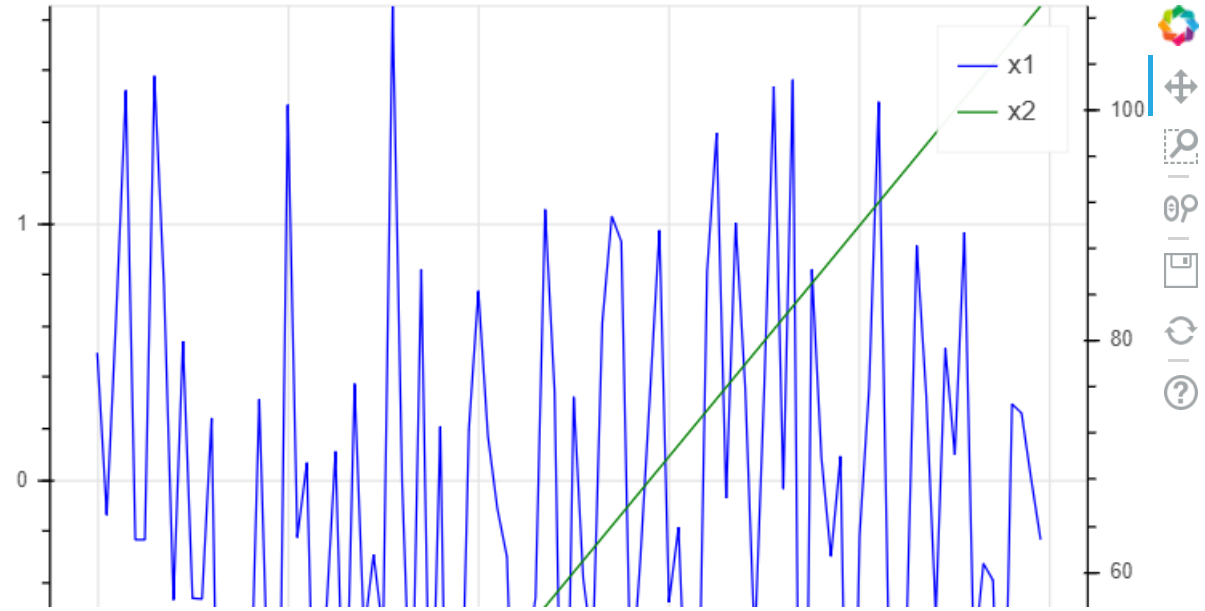
[4]
```
p = figure()
p.line("x0", "x1", source=data_source)
show(p)
```

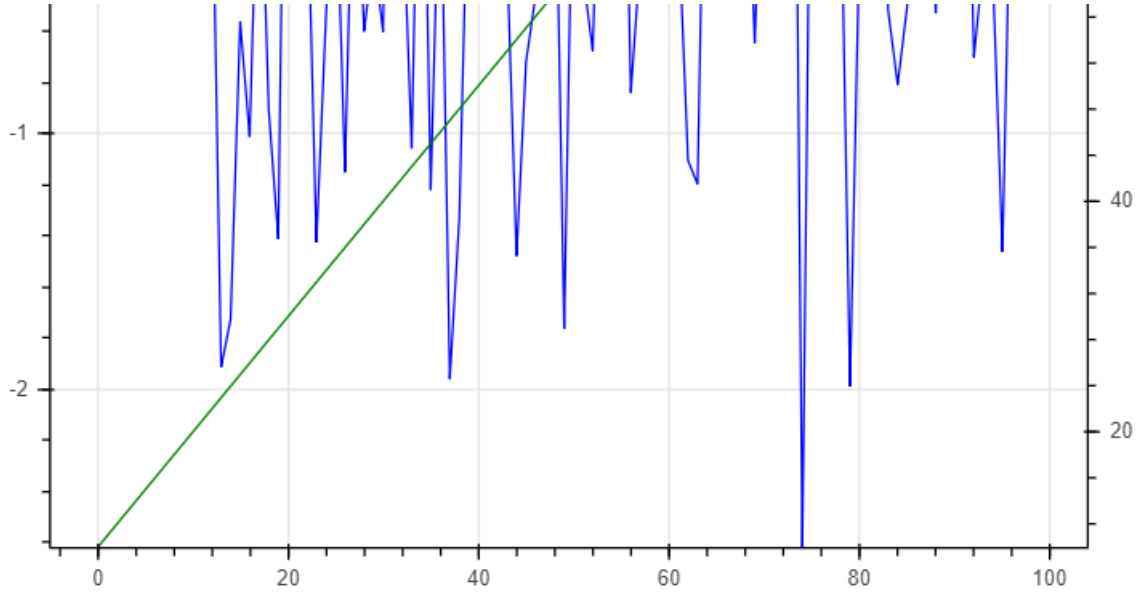




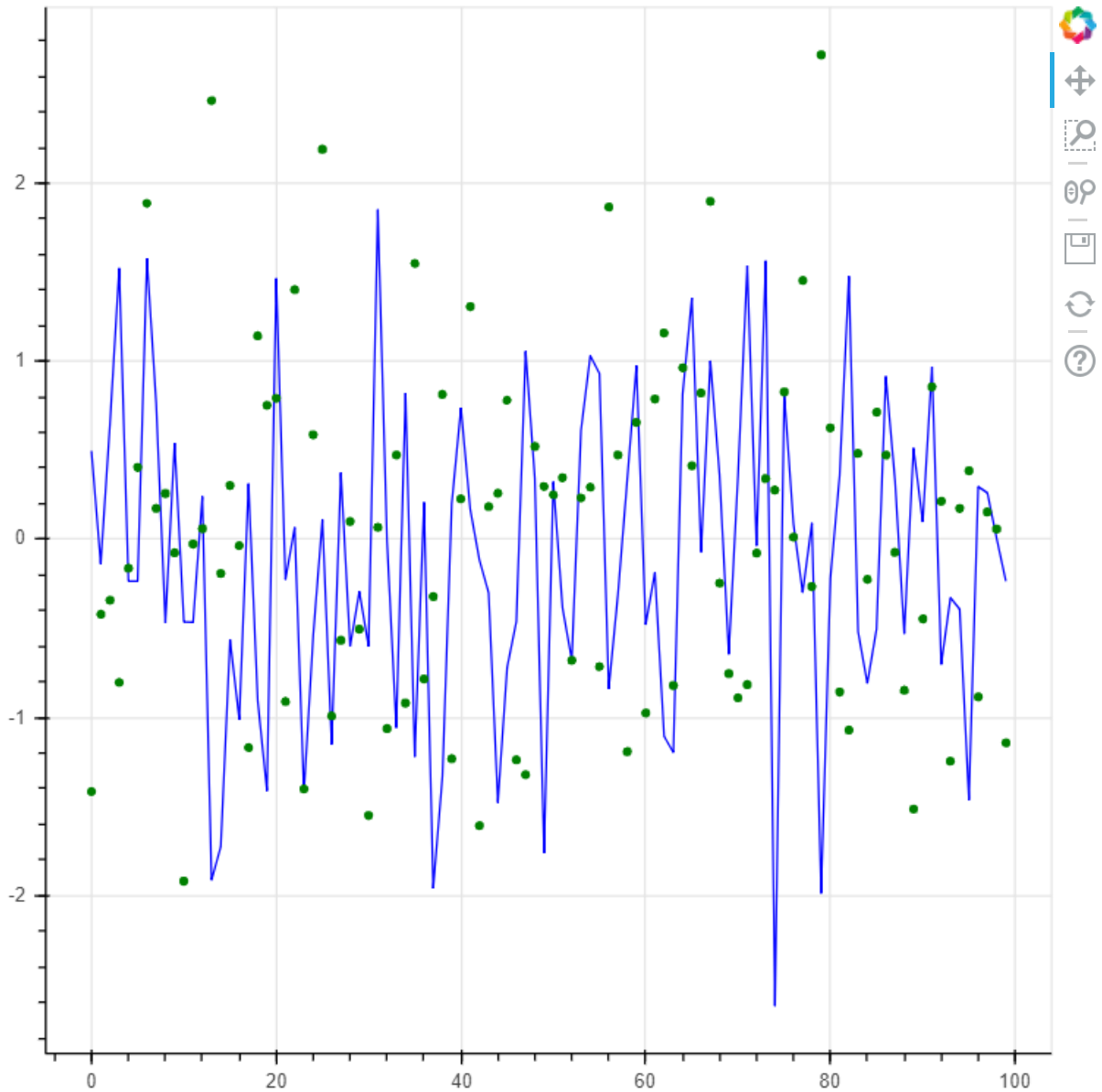
[5]

```
p = figure()
column1 = "x1"
column2 = "x2"
# FIRST AXIS
p.line("x0", column1, legend=value(column1), color="blue",
source=data_source)
p.y_range = Range1d(data_source.data[column1].min(),
data_source.data[column1].max())
# SECOND AXIS
column2_range = column2 + "_range"
p.extra_y_ranges = {
    column2_range: Range1d(
        data_source.data[column2].min(),
data_source.data[column2].max()
    )
}
p.add_layout(LinearAxis(y_range_name=column2_range), "right")
p.line("x0", column2, legend=value(column2),
y_range_name=column2_range, color="green",source=data_source)
show(p)
```





[6]
```
p = figure()
p.line(x="x0", y="x1",color="blue", source=data_source )
p.circle(x="x0", y="x3",color='green', source=data_source)
show(p)
```



```
[ ]
```