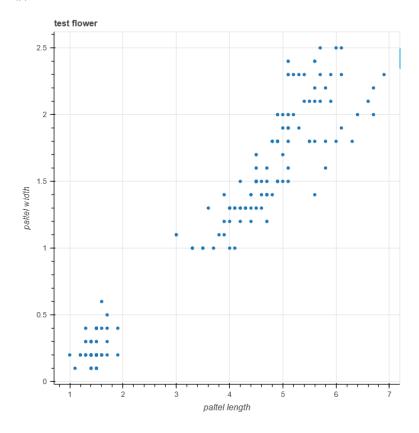
▼ Bokeh By Virat Tiwari -

With the help of Data visualization, We can find out the Trends of data and get the Insights of data as well for better understanding the Bussiness. All visualization libraries are same, almost all libraries provides the same features as well.

```
import bokeh.io
import bokeh.plotting
bokeh.io.output_notebook()
pip install bokeh
     Requirement already satisfied: bokeh in /usr/local/lib/python3.10/dist-packages (3.2.2)
     Requirement already satisfied: Jinja2>=2.9 in /usr/local/lib/python3.10/dist-packages (from bokeh) (3.1.2)
     Requirement already satisfied: contourpy>=1 in /usr/local/lib/python3.10/dist-packages (from bokeh) (1.1.1)
     Requirement already satisfied: numpy>=1.16 in /usr/local/lib/python3.10/dist-packages (from bokeh) (1.23.5)
     Requirement already satisfied: packaging>=16.8 in /usr/local/lib/python3.10/dist-packages (from bokeh) (23.2)
     Requirement already satisfied: pandas>=1.2 in /usr/local/lib/python3.10/dist-packages (from bokeh) (1.5.3)
     Requirement already satisfied: pillow>=7.1.0 in /usr/local/lib/python3.10/dist-packages (from bokeh) (9.4.0)
     Requirement already satisfied: PyYAML>=3.10 in /usr/local/lib/python3.10/dist-packages (from bokeh) (6.0.1)
     Requirement already satisfied: tornado>=5.1 in /usr/local/lib/python3.10/dist-packages (from bokeh) (6.3.2)
     Requirement already satisfied: xyzservices>=2021.09.1 in /usr/local/lib/python3.10/dist-packages (from bokeh) (2023.10.0)
     Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.10/dist-packages (from Jinja2>=2.9->bokeh) (2.1.3)
     Requirement already satisfied: python-dateutil>=2.8.1 in /usr/local/lib/python3.10/dist-packages (from pandas>=1.2->bokeh) (2.8.2)
     Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.10/dist-packages (from pandas>=1.2->bokeh) (2023.3.post1)
     Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-packages (from python-dateutil>=2.8.1->pandas>=1.2->bokeh) (1.
```

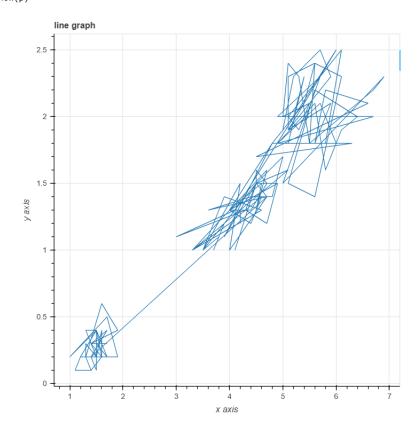
```
from bokeh.plotting import figure,output_file,show
from bokeh.sampledata.iris import flowers
output_file("test.html")
p=figure(title="test flower")
p.xaxis.axis_label="paltel length"
p.yaxis.axis_label="paltel width"
p.circle(flowers["petal_length"],flowers["petal_width"])
show(n)
```



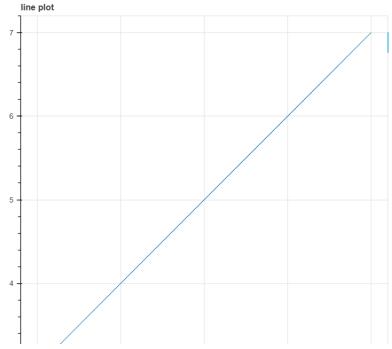
	sepal_length	sepal_width	petal_length	petal_width	species	
0	5.1	3.5	1.4	0.2	setosa	ılı
1	4.9	3.0	1.4	0.2	setosa	
2	4.7	3.2	1.3	0.2	setosa	
3	4.6	3.1	1.5	0.2	setosa	
4	5.0	3.6	1.4	0.2	setosa	
145	6.7	3.0	5.2	2.3	virginica	
146	6.3	2.5	5.0	1.9	virginica	
147	6.5	3.0	5.2	2.0	virginica	
148	6.2	3.4	5.4	2.3	virginica	
149	5.9	3.0	5.1	1.8	virginica	

150 rows × 5 columns

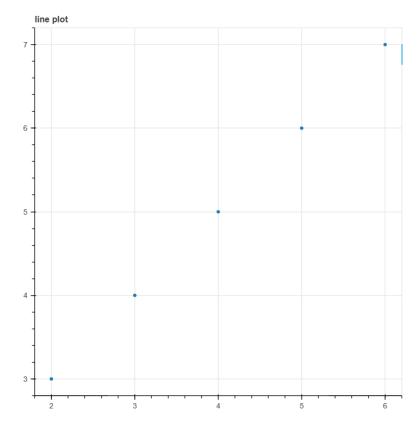
from bokeh.plotting import figure,output_file,show
from bokeh.sampledata.iris import flowers
output_file("line.html")
p=figure(title="line graph")
p.xaxis.axis_label="x axis"
p.yaxis.axis_label="y axis"
p.line(flowers["petal_length"],flowers["petal_width"])
show(p)



x=[2,3,4,5,6]
y=[3,4,5,6,7]
output_file("line.html")
p=figure(title="line plot")
p.line(x,y)
show(p)



x=[2,3,4,5,6]
y=[3,4,5,6,7]
output_file("line.html")
p=figure(title="line plot")
p.scatter(x,y)
show(p)



x=[2,3,4,5,6]
y=[3,4,5,6,7]
output_file("line.html")
p=figure(title="line plot")
p.scatter(x,y)
show(p)

THANK YOU SO MUCH!!

YOURS VIRAT TIWARI :)