

plotly

April 23, 2023

```
[ ]: import plotly.express as px
df=px.data.tips()
df.head()
```

```
[ ]:      total_bill  tip    sex smoker  day    time  size
0         16.99   1.01  Female     No  Sun  Dinner     2
1         10.34   1.66    Male     No  Sun  Dinner     3
2         21.01   3.50    Male     No  Sun  Dinner     3
3         23.68   3.31    Male     No  Sun  Dinner     2
4         24.59   3.61  Female     No  Sun  Dinner     4
```

```
[ ]: fig = px.scatter(df, x="total_bill", y="tip", color="sex", facet_col="smoker" )
fig.show()
```

```
[ ]: import statsmodels.api as sm
fig = px.scatter(df, x="total_bill", y="tip", color="sex", facet_col="smoker",
    ↪trendline="ols")
fig.show()
```

```
[ ]: fig = px.scatter(df, x="total_bill", y="tip", facet_col="day", facet_row="time",
    ↪)
fig.show()
```

```
[ ]: fig = px.histogram(df, x="tip", nbins=20)
fig.show()
```

```
[ ]: fig = px.box(df, x="smoker", y="tip", color="smoker")
fig.show()
```