DATA VISUALIZATION

STEP-1 IMPORT LIBRARIES

```
import seaborn as sns
import matplotlib.pyplot as plt
```

STEP-2 LOAD DATASET

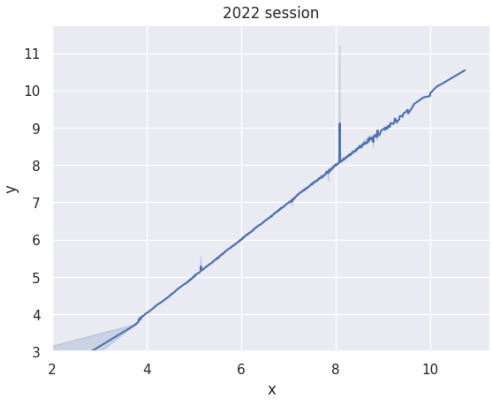
```
diamonds=sns.load_dataset("diamonds")
diamonds.head()
```

	carat	cut	color	clarity	depth	table	price	x	y	z
0	0.23	Ideal	E	SI2	61.5	55.0	326	3.95	3.98	2.43
1	0.21	Premium	E	SI1	59.8	61.0	326	3.89	3.84	2.31
2	0.23	Good	E	VS1	56.9	65.0	327	4.05	4.07	2.31
3	0.29	Premium	I	VS2	62.4	58.0	334	4.20	4.23	2.63
4	0.31	Good	J	SI2	63.3	58.0	335	4.34	4.35	2.75

To undo cell deletion use Ctrl+M Z or the Undo option in the Edit menu

```
sns.lineplot(x="x", y="y", data=diamonds)
plt.xlim(2)
plt.ylim(3)
plt.title("2022 session")
```

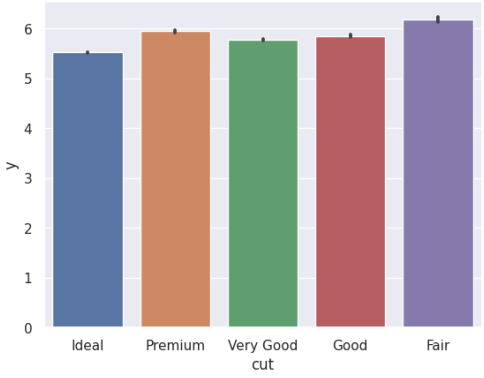
```
Text(0.5, 1.0, '2022 session')
```



BAR PLOT

```
sns.barplot(x="cut", y="y", data=diamonds)
```

```
<Axes: xlabel='cut', ylabel='y'>
```



BOX PLOT

```
sns.boxplot(x="cut", y="y", data=diamonds)
```

```
<Axes: xlabel='cut', ylabel='y'>
```

SCATTER PLOT

```
sns.scatterplot(x="cut", y="price", data=diamonds)
```

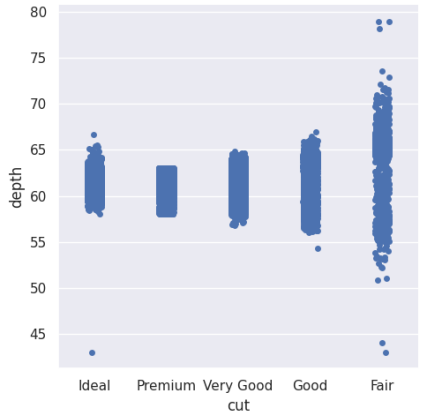
```
<Axes: xlabel='cut', ylabel='price'>
```

To undo cell deletion use Ctrl+M Z or the Undo option in the Edit menu

CAT PLOT

```
sns.catplot(x="cut", y="depth", data=diamonds)
```

```
<seaborn.axisgrid.FacetGrid at 0x7ff75e77a320>
```



Colab paid products - Cancel contracts here

✓ 2s completed at 11:57 AM