Seaborn

- *Presented by,*

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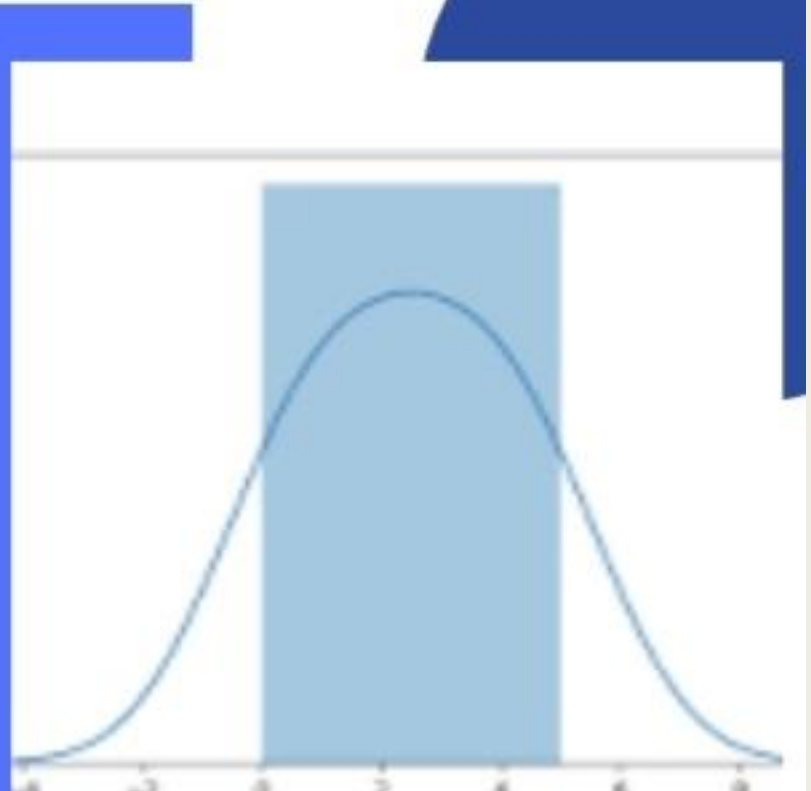
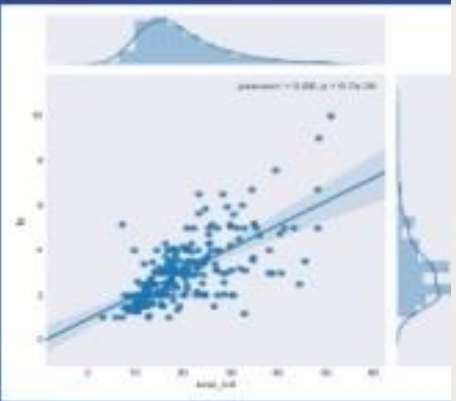
WHAT IS SEABORN

SEABORN IS A PYTHON DATA VISUALIZATION LIBRARY THAT PROVIDES A HIGH-LEVEL INTERFACE FOR CREATING STATISTICAL GRAPHICS WITH EASE, OFFERING BEAUTIFUL AND CUSTOMIZABLE PLOTS, AND PROVIDING TOOLS FOR VISUALIZING RELATIONSHIPS BETWEEN VARIABLES.



IMPORTANCE OF SEABORN

Seaborn is important because it provides a range of statistical visualizations and plot types, has a simple and intuitive syntax, integrates well with other Python libraries, offers streamlined creation of visually appealing plots, and allows for easy communication of results to others. It is a valuable tool for data exploration and analysis.



Head function

- Head function in python Displays the first five row.
- It builds on top of matplotlib and integrates closely with pandas data structures.
- Seaborn helps you explore and understand your data.

In:import seabron as sns

a=dmd.head()

a

Out:

Roll No:	Class	Name	Percentage
1	1-BBA	Ram	87%
2	1-BBA	Janu	65%
3	1-BBA	Rambo	67%
4	1-BBA	Kayal	54%
5	1-BBA	Kani	96%

Tail function

- The tail function in Python displays the last five rows of the dataframe by default.
- It takes in a single parameter and the number of rows.

In:import Seaborn as sns

a=dmd.tail()

a

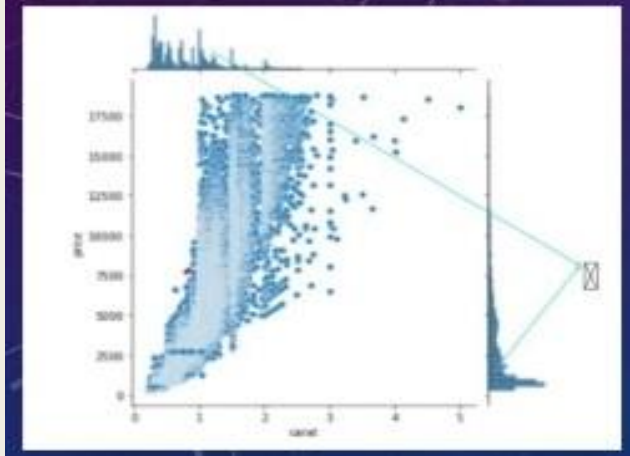
Out:

Rol No:	Class	Name	Percentage
46	1-BBA	Kamali	81%
47	1-BBA	Suriya	78%
48	1-BBA	Vijay	93%
49	1-BBA	Yuvan	72%
50	1-BBA	Zara	67%

Scatter kind

SCATTER KIND

```
In[46]:sns.jointplot(x='carat',y='price',data=dmd,kind='scatter')
Out[46]:<seaborne.axisgrid.jointGrid at 0x25d201654c0>
```



- THE SCATTERPLOT IS A PLOT WITH MANY DATA POINTS.
- IT IS ONE OF THE MANY PLOTS SEABORN CAN CREATE.
- SEABORN IS A PYTHON MODULE FOR STATISTICAL DATA VISUALIZATION.
- SEABORN CAN CREATE THIS PLOT WITH THE SCATTERPLOT() METHOD.
- THE DATA POINTS ARE PASSED WITH THE PARAMETER DATA.