

Working with Seaborn

Seaborn

- Seaborn is a popular Python data visualization library that is built on top of the matplotlib library.
- Seaborn offers a variety of functions to generate different types of visualizations, such as scatter plots, bar plots, heatmaps, violin plots, and many others.
- It provides a high-level interface for creating informative and visually attractive statistical graphics.

Installation



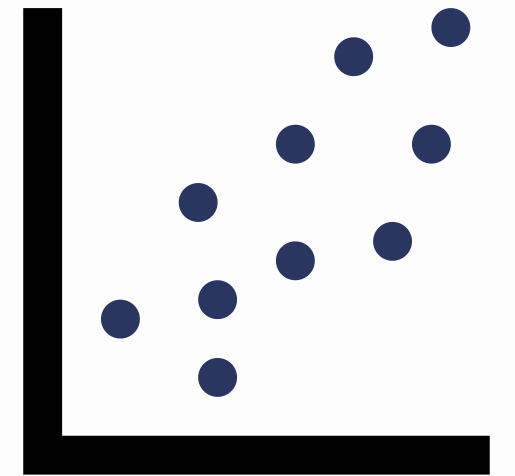
```
pip install seaborn
```

Import Seaborn



```
import seaborn as sns
```

Scatter plot



Scatter plot



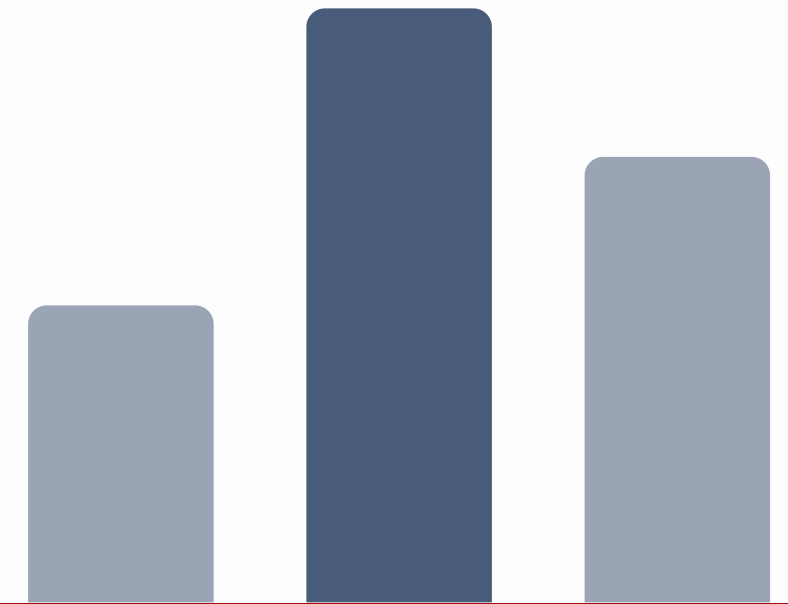
```
sns.scatterplot(x, y, data)
```

Scatter plot



```
sns.scatterplot(x, y, data, hue, size)
```

Bar plot

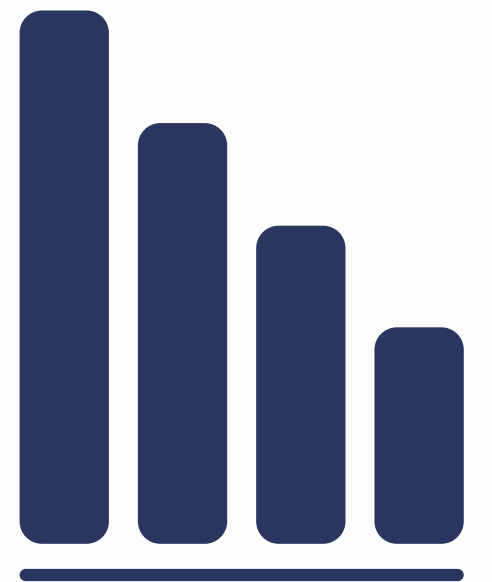


Bar plot



```
sns.barplot(x,y,hue,data,palette)
```

Count plot

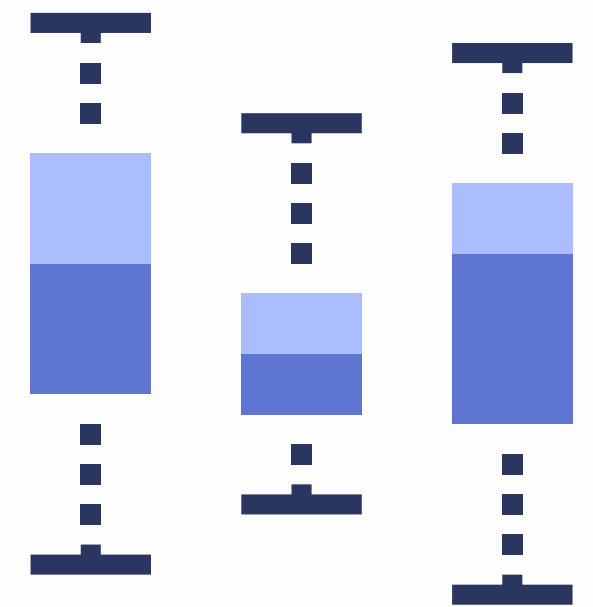


Count plot



```
sns.countplot(x, data)
```

Box plot



Box plot



```
sns.boxplot(x,y,data)
```

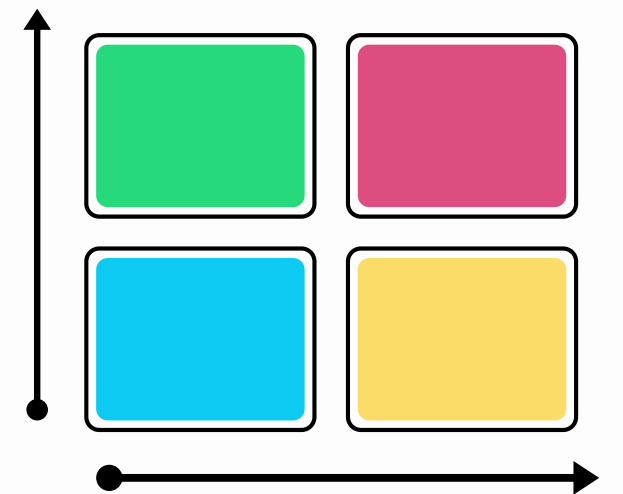
Pair plot

Pair plot



```
sns.pairplot(data, hue)
```

Heat maps



Heat maps



```
dataset.corr()
```

```
sns.heatmap(corr, cbar, linewidth, annot, fmt, cmap)
```

Dist plot



Dist plot



```
sns.distplot(x)
```

Violin plot



Violin plot



```
sns.violinplot(x,y,data)
```