seaborn

www.hbpatel.in

github.com/mwaskom/seaborn-data

dots.csv	Add dots dataset
dowjones.csv	Add dowjones dataset
exercise.csv	Add exercise dataset
flights.csv	Add flights dataset
fmri.csv	Change sorting of events

flights.csv

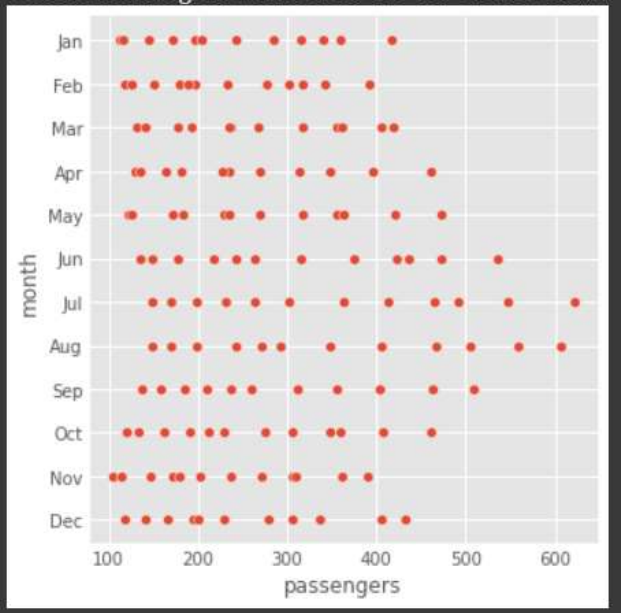
github.com/mwaskom/seaborn-data/blob/master/flights.csv

	year	month	passengers
2	1949	January	112
3	1949	February	118
4	1949	March	132
5	1949	April	129
6	1949	May	121
7	1949	June	135
8	1949	July	148
9	1949	August	148

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

a = sns.load_dataset("flights")
sns.relplot(x="passengers", y="month", data=a)
```

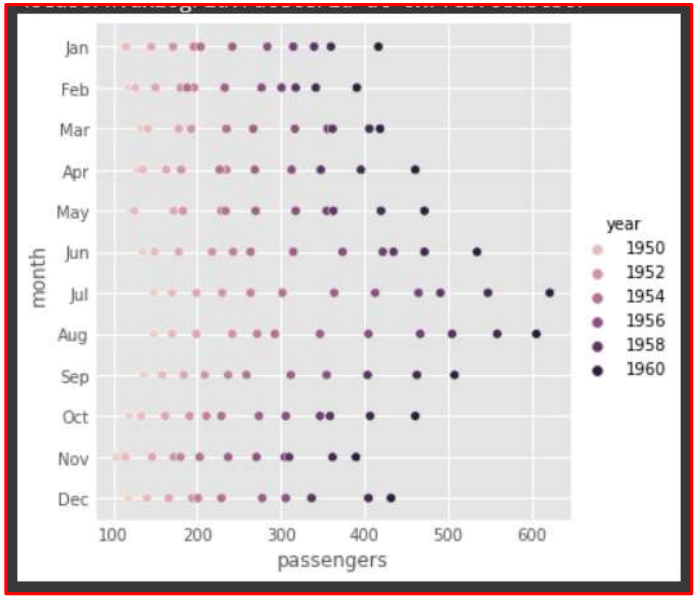
```
<seaborn.axisgrid.FacetGrid at 0x7fe56c0f11d0>
```



seaborn


```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

a = sns.load_dataset("flights")
sns.relplot(x="passengers", y="month", hue='year', data=a)
```



seaborn

github.com/mwaskom/seaborn-data/blob/master/tips.csv

245 lines (245 sloc) 9.5 KB Raw Blame

Search this file...

	total_bill	tip	sex	smoker	day	time	size
2	16.99	1.01	Female	No	Sun	Dinner	2
3	10.34	1.66	Male	No	Sun	Dinner	3


```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

b = sns.load_dataset("tips")
sns.relplot(x="time", y="tip", data=b, kind="line")
```

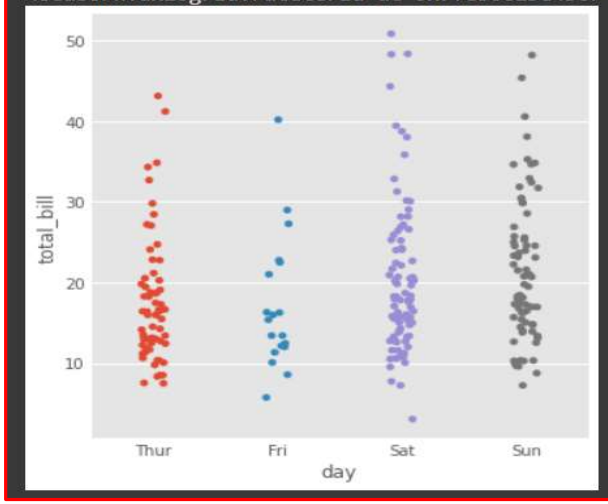
seaborn


```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

b = sns.load_dataset("tips")

sns.catplot(x="day", y="total_bill", data=b)
```

```
<seaborn.axisgrid.FacetGrid at 0x7fe56c15e450>
```

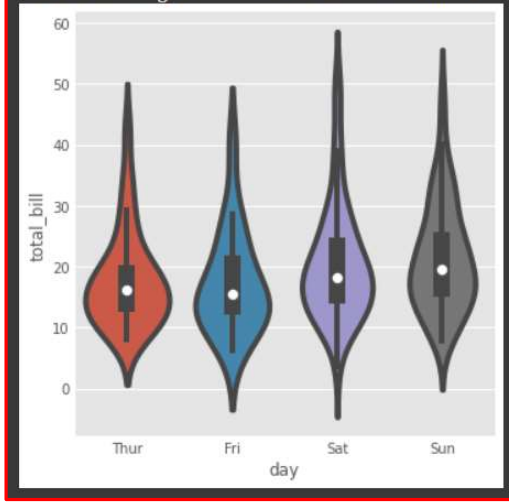



```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

b = sns.load_dataset("tips")

sns.catplot(x="day", y="total_bill", kind="violin", data=b)
```

```
<seaborn.axisgrid.FacetGrid at 0x7fe56a6e6250>
```

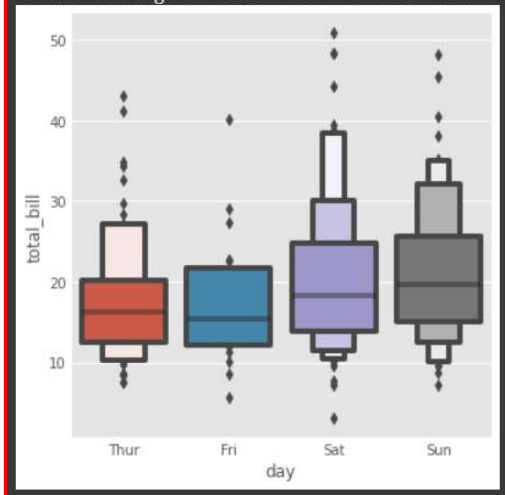



```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

b = sns.load_dataset("tips")

sns.catplot(x="day", y="total_bill", kind="boxen", data=b)
```

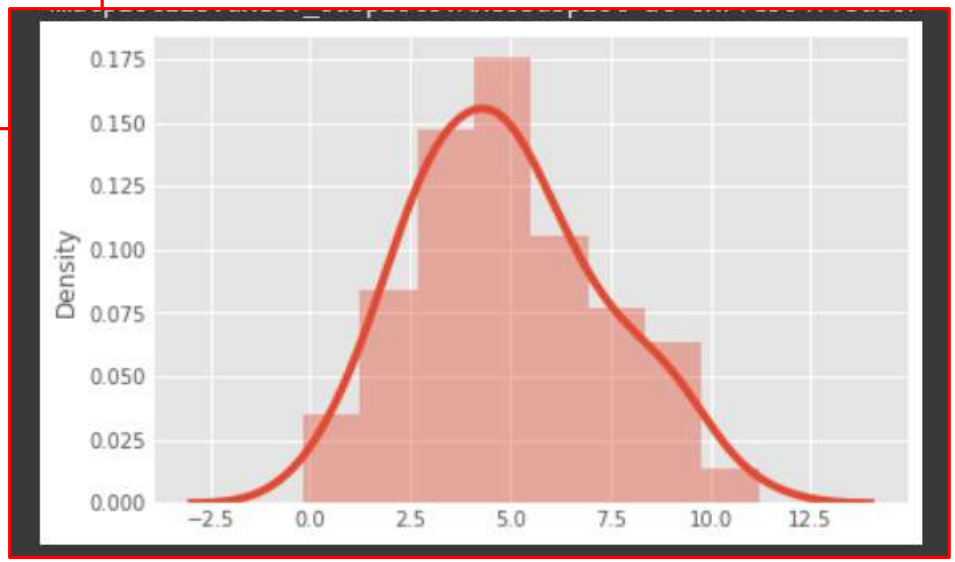
```
<seaborn.axisgrid.FacetGrid at 0x7fe56bfa5350>
```



seaborn


```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from scipy import stats

c=sns.load_dataset("tips")
c = np.random.normal(loc=5, size=100, scale=2)
sns.distplot (c)
```



Multi-Plot Grids using seaborn

github.com/mwaskom/seaborn-data/blob/master/iris.csv

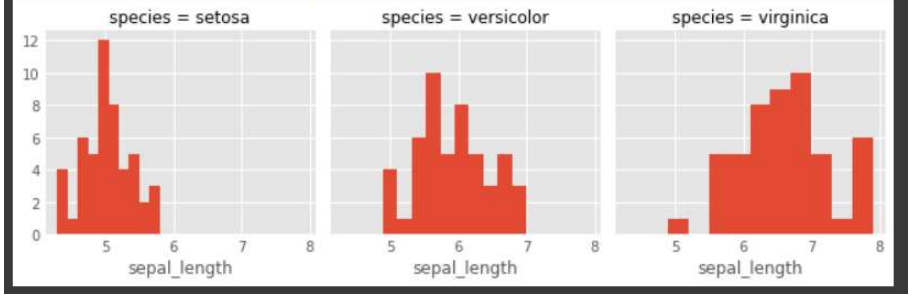
Search this file...

	sepal_length	sepal_width	petal_length	petal_width	species
2	5.1	3.5	1.4	0.2	setosa
3	4.9	3.0	1.4	0.2	setosa
4	4.7	3.2	1.3	0.2	setosa
5	4.6	3.1	1.5	0.2	setosa

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from scipy import stats

a = sns.load_dataset("iris")
b = sns.FacetGrid(a, col="species")
b.map(plt.hist, "sepal_length")
```

```
<seaborn.axisgrid.FacetGrid at 0x7fe565043110>
```




```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from scipy import stats

a = sns.load_dataset("iris")
b = sns.FacetGrid(a, col="species")
b.map(plt.hist, "sepal_length")
```

Multi-Plot Grids using seaborn


```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from scipy import stats

a = sns.load_dataset("flights")
b = sns.PairGrid(a)
b.map(plt.scatter)
```