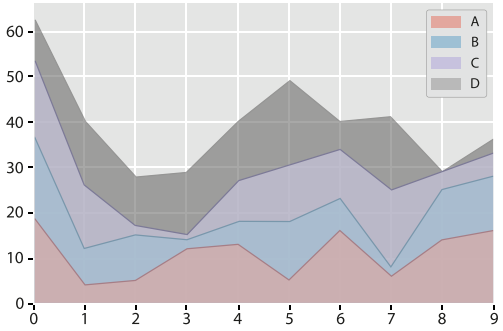
Pandas & Seaborn plots cheatsheet

V2 - feb. 2020

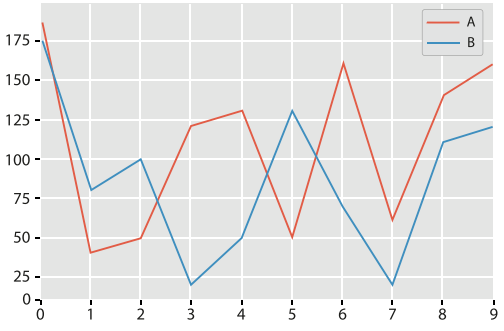
Paradigma

```
df1 = pd.DataFrame(np.random.randn(30,4),
      columns=list('ABCD'))

df2 = pd.DataFrame(np.random.randint(0,20,size=(10, 4)),
      columns=list('ABCD'))

df2["orden"] = ["primero", "primero", "primero",
                "primero", "primero", "segundo",
                "segundo", "segundo", "segundo",
                "segundo"]

df2["Mes"] = ["Enero", "Febrero", "Marzo", "Abril",
              "Mayo", "Junio", "Julio", "Agosto",
              "Septiembre", "Octubre"]

df3 = pd.DataFrame(np.random.randn(1000, 2),
      columns=['a', 'b'])
```

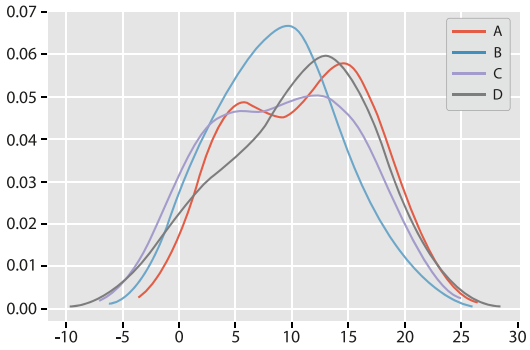
```
df2.plot.area(alpha=0.4)
```



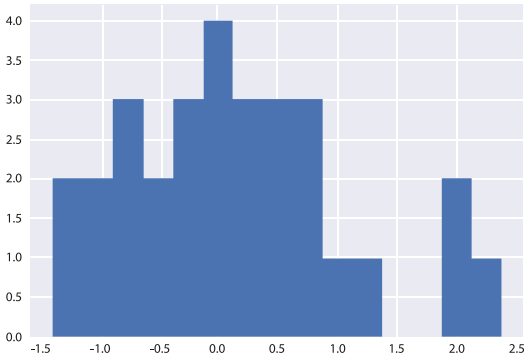

```
df2.plot.line(y = ['A','B'])
```



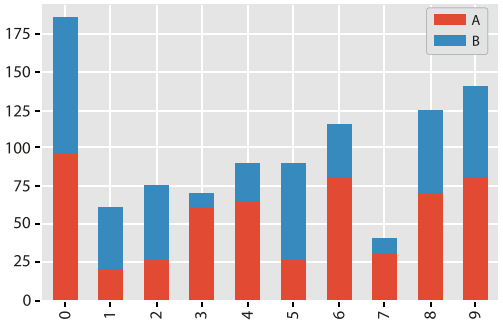

```
df2.plot.kde()
```



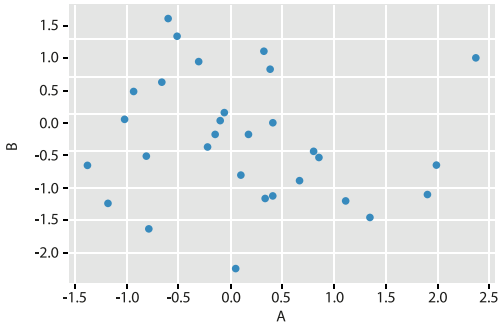

```
df1.A.hist(bins=15)
```



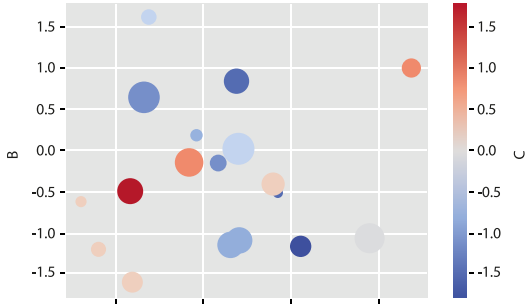
```
df2[["A","B"]].plot.bar(stacked=True)
```



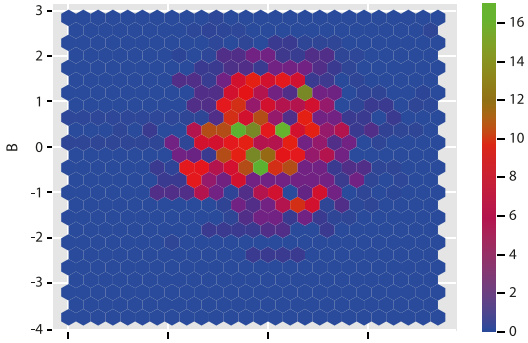

```
df1.plot.scatter(x="A", y="B")
```



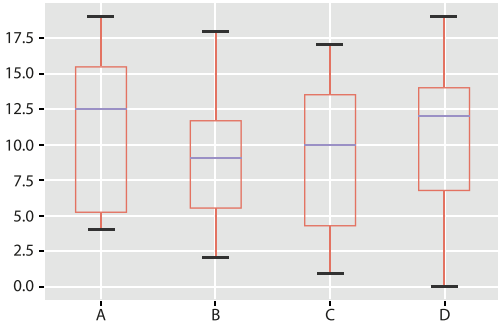

```
df1.plot.scatter(x="A", y="B", c = "C",cmap='coolwarm',
s=df1["D"]*300)
```



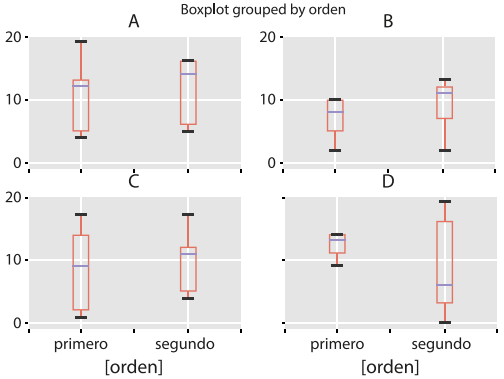

```
columns=['a', 'b'])
df3.plot.hexbin(x='a',y='b',gridsize=25,cmap='brg')
```



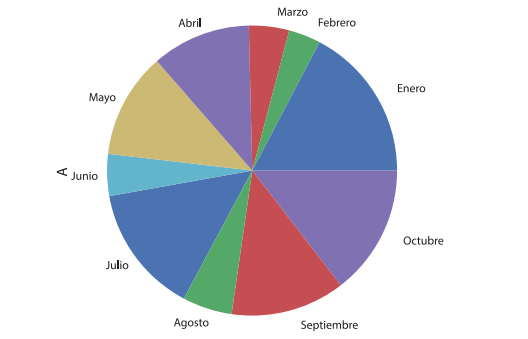

```
df2.plot.box()
```




```
df2.boxplot(by="orden")
```




```
df_2.set_index("Mes",inplace=True)
df_2.A.plot.pie()
```



Más información y comentarios: paradig.ma/pandas-seaborn

Referencias: https://matplotlib.org/3.1.0/contents.html | https://seaborn.pydata.org/

Pandas & Seaborn plots cheatsheet

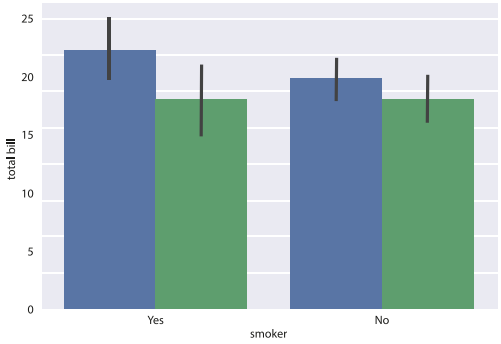
V2 - feb. 2020

Paradigma

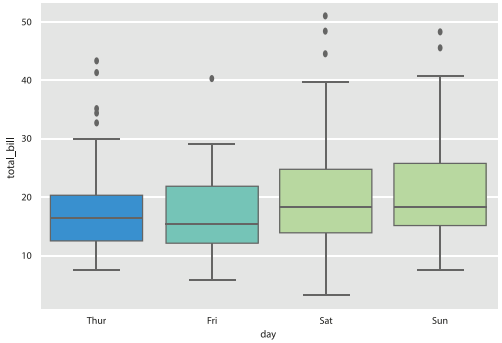
```
import seaborn as sns
tips = sns.load_dataset('tips')
```

	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	3.63	Female	No	Sun	Dinner	4

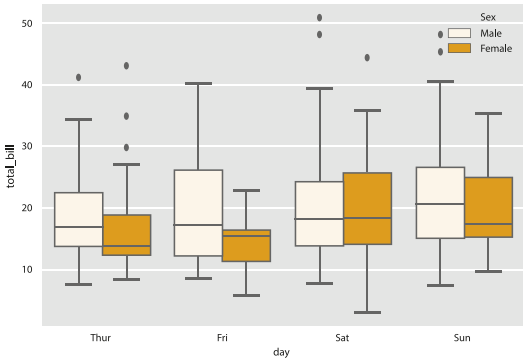
```
sns.barplot(x='smoker',y='total_bill',data=tips
hue="sex")
```



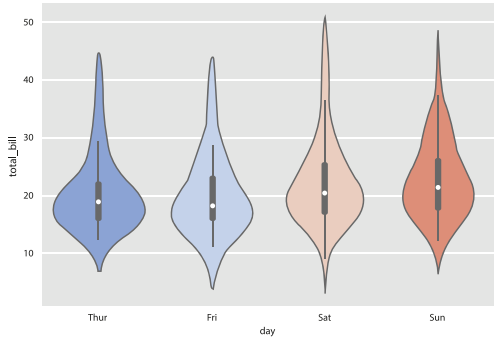

```
sns.boxplot(x="day", y="total_bill", data=tips,
palette='rainbow')
```



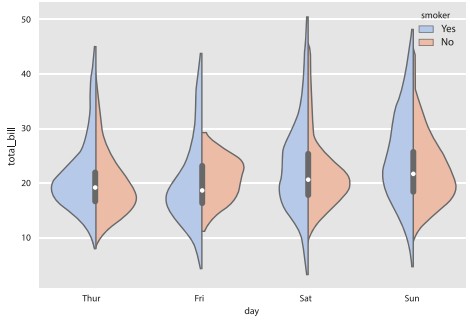

```
sns.boxplot(x="day", y="total_bill", data=tips,hue="sex",
color="orange")
```



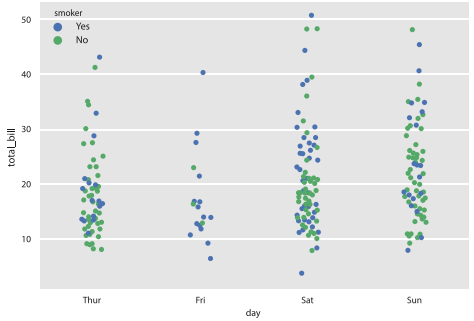

```
sns.violinplot(x="day", y="total_bill", data=tips,
palette="coolwarm")
```



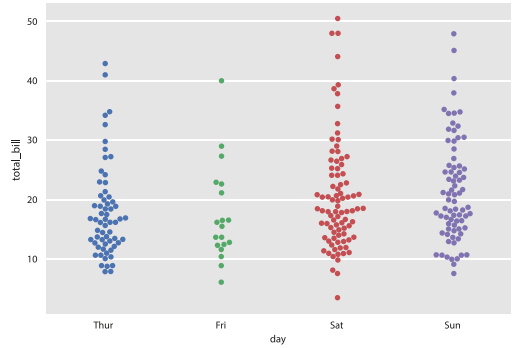

```
sns.violinplot(x="day", y="total_bill", data=tips,
palette="coolwarm",hue="smoker",split=True)
```



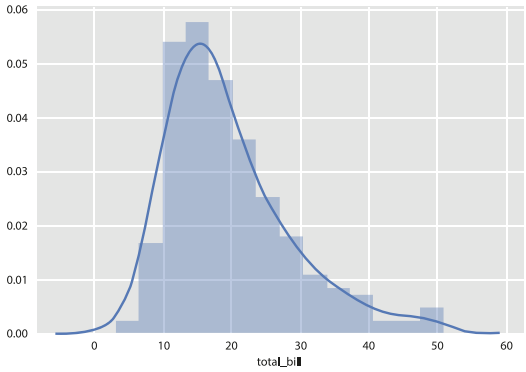

```
sns.stripplot(x="day", y="total_bill",
data=tips,hue="smoker")
```



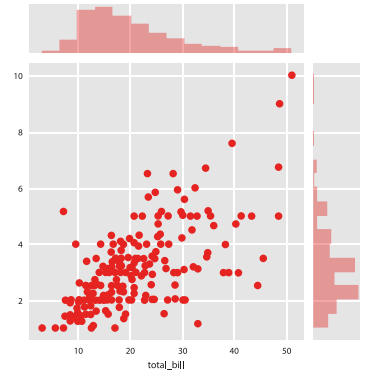

```
sns.swarmplot(x="day", y="total_bill", data=tips)
```



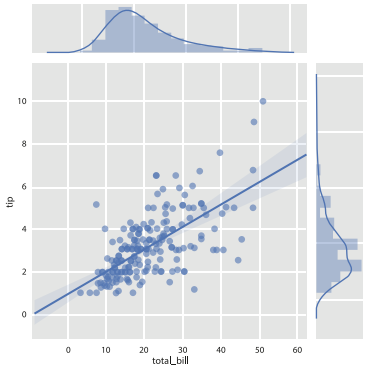

```
sns.distplot(tips['total_bill'])
```



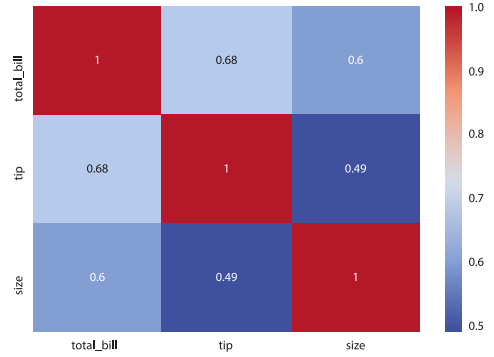

```
sns.jointplot(x='total_bill',y='tip',data=tips,
kind='scatter', color="red")
```




```
sns.jointplot(x='total_bill',y='tip',data=tips,
kind='reg')
```




```
sns.heatmap(tips.corr(),cmap='coolwarm',annot=True)
```



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Referencias: https://matplotlib.org/3.1.0/contents.html | https://seaborn.pydata.org/