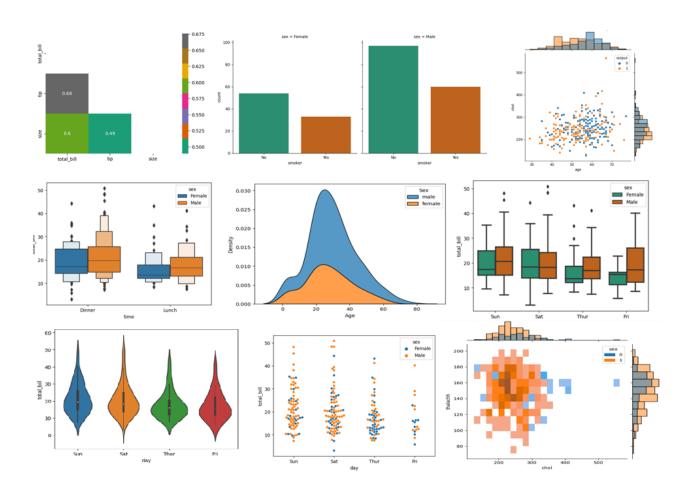
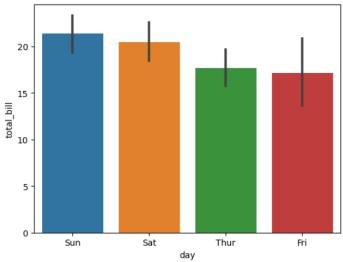
# Machine Learning Visualization: Part 1



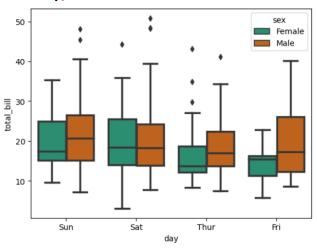
### Barplot:

#### sns.barplot(x='day', y='total\_bill', data=tips, palette='tab10');



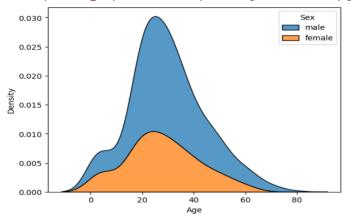
## Boxplot

sns.boxplot(x='day', y='total\_bill', hue='sex', data=tips, linewidth
=2.5, palette='Dark2');



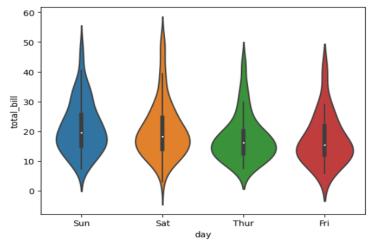
## Kdeplot

sns.kdeplot(data=df, x='Age', hue='Sex', multiple='stack', palette='tab10');



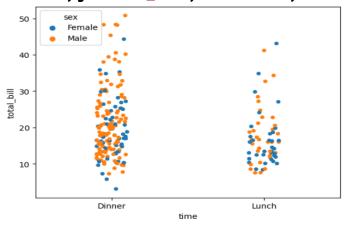
## Violinplot

sns.violinplot(x="day", y="total\_bill", data=tips);



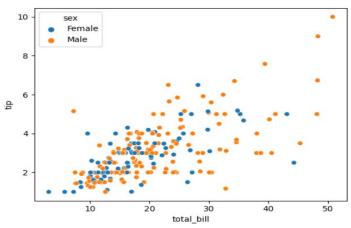
## Stripplot

sns.stripplot(x="time", y="total\_bill", hue="sex", data=tips);



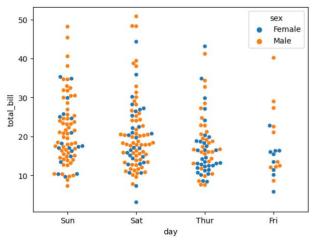
#### Scatterplot

sns.scatterplot(x = 'total\_bill', y = 'tip', hue = 'sex', data = tips);



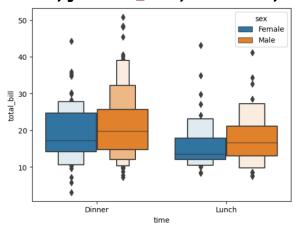
### Swarmplot

sns.swarmplot(x="day", y="total\_bill", hue="sex", data=tips);



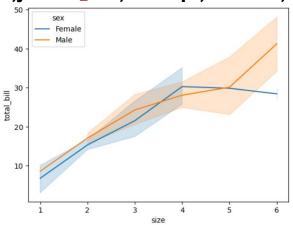
### Boxenplot

sns.boxenplot( x='time', y="total\_bill", hue='sex', data=tips);



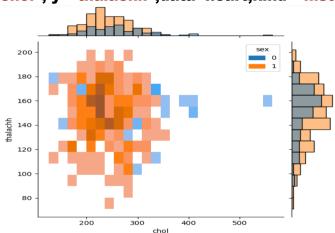
## Lineplot

sns.lineplot(x="size",y="total\_bill",data=tips,hue='sex',markers=True);



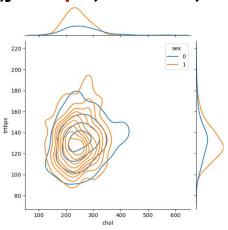
## Jointplot

sns.jointplot(x="chol", y="thalachh",data=heart,kind="hist",hue='sex');



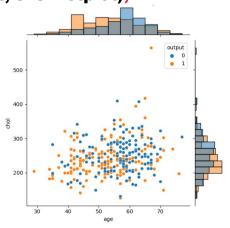
#### Jointplot

sns.jointplot(x="chol",y="trtbps",data=heart,kind="kde",hue='sex');



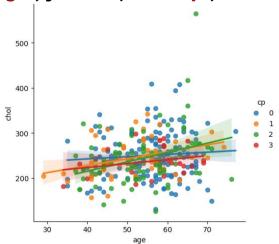
#### JointGrid

g = sns.JointGrid(data=heart, x="age", y="chol", hue="output")
g.plot(sns.scatterplot, sns.histplot);



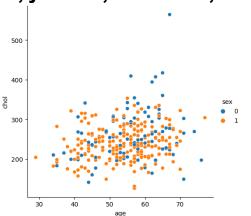
#### **Lmplot**

g= sns.lmplot(x="age", y="chol", hue="cp", data=heart)



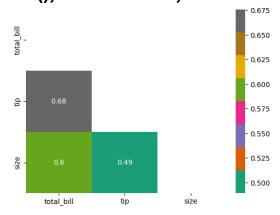
## Relplot

g = sns.relplot(x="age", y="chol", data=heart,hue='sex')



## Heatmap

mask = np.triu(np.ones\_like(tips.corr(), dtype=bool))
sns.heatmap(tips.corr(), mask = mask, annot=True, cmap='Dark2');



#### Catplot

sns.catplot(x='smoker', col='sex', kind='count', data=tips
,palette="Dark2");

