Task 14: Seaborn library

→ import seaborn as sns

To get automatic dataset

sns.get_dataset_names()

tips = sns.load_dataset("tips")
iris = sns.load_dataset("iris")
titanic = // // /// (" ")
Planets = // // // (" ")

sns.scatterplot(x="tip", y="totalbill", data=tips, hue="day", size="size", palette="YIGnBu")

scatter plot is the most simple plot

② sns.hisplot(tips['tip'], kde=True, bins=15)
To make a curve over results

histplot = distplot (duplicated)
displot مختلف شكل في النهائي

③ sns.barplot(x="sex", y="tip", data=tips, pallete="YIGnBu")

④ sns.boxplot(x="day", y="tip", data=tips, hue="sex")

⑤ sns.stripplot(x="day", y="tip", data=tips, hue="sex", dodge=True)

Mix between (Scatter Plot and 4 features)

⑥ sns.jointplot(x="tip", y="total_bill", data=tips, shade=True, kind="reg" / "kde")

→ Seaborn make it easy to plot we want in way easier than matplot

⑦ sns.pairplot(titanic.select_dtypes(['number']), hue='Pclass')

⑧ titanic.corr()
sns.heatmap(titanic.corr(), annot = True)

⑨ sns.clustermap(iris.drop("species", axis=1))