Assignment 8

import seaborn as sns

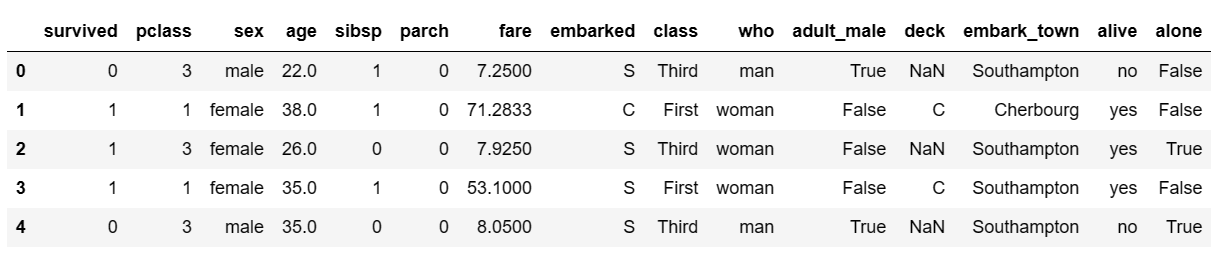
import pandas as pd

import numpy as np

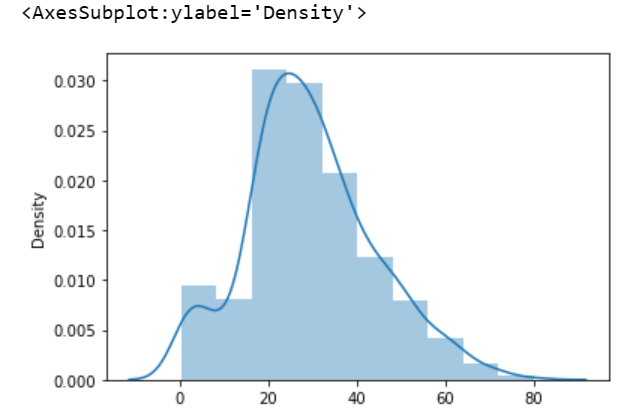
import matplotlib.pyplot as plt

dataset = sns.load\_dataset('titanic')

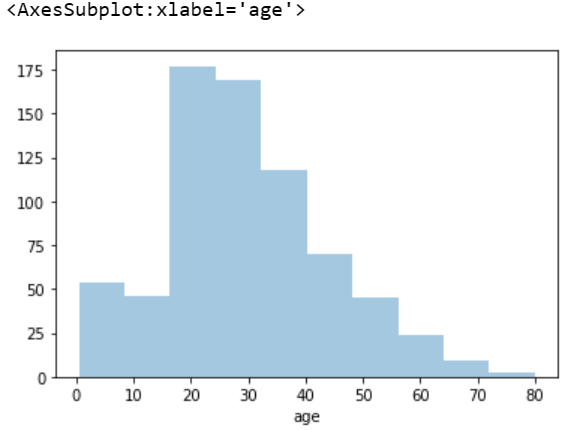
dataset.head()



sns.distplot(x = dataset['age'], bins = 10)



sns.distplot(dataset['age'], bins = 10,kde=False)



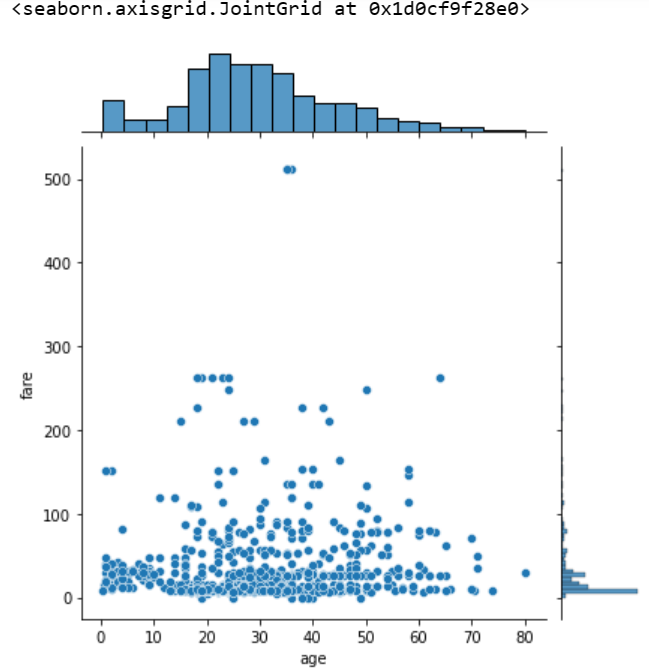
# For Plot 1

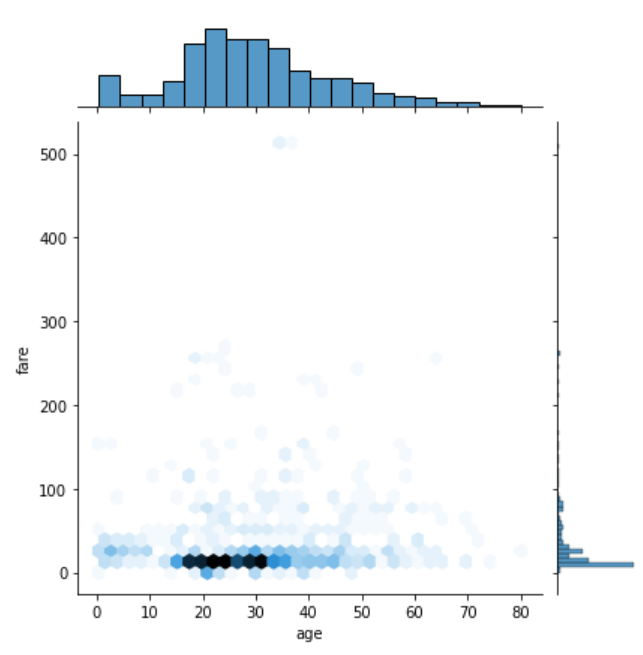
sns.jointplot(x = dataset['age'], y = dataset['fare'], kind =

'scatter')

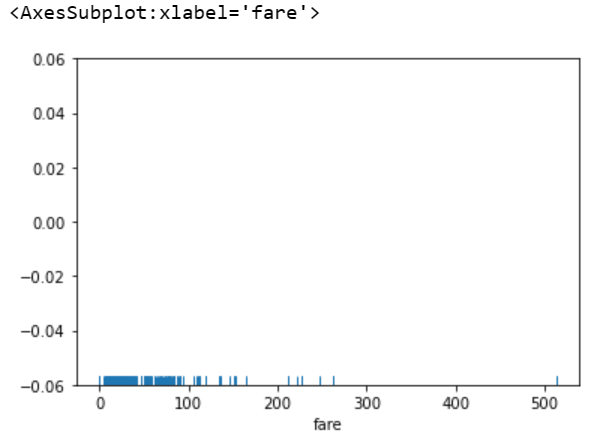
# For Plot 2

sns.jointplot(x = dataset['age'], y = dataset['fare'], kind = 'hex')

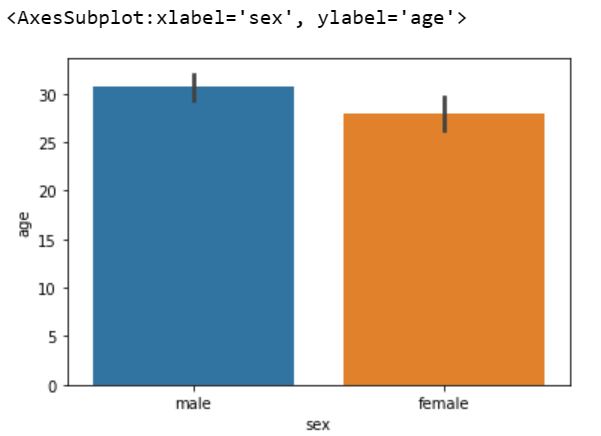




sns.rugplot(dataset['fare'])

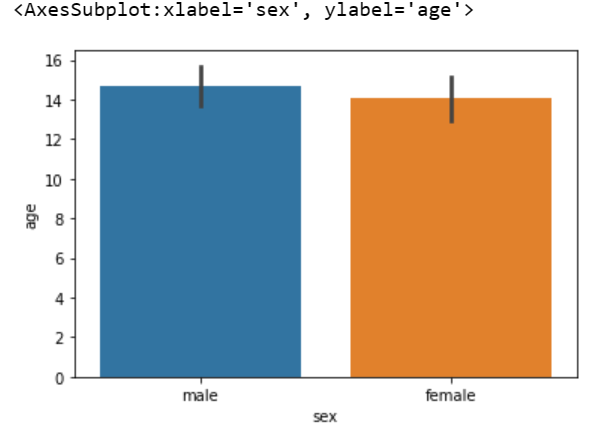


sns.barplot(x='sex',y='age', data=dataset)

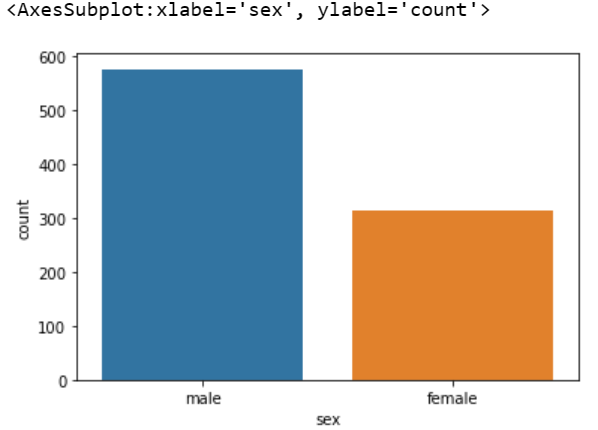


import matplotlib.pyplot as plt

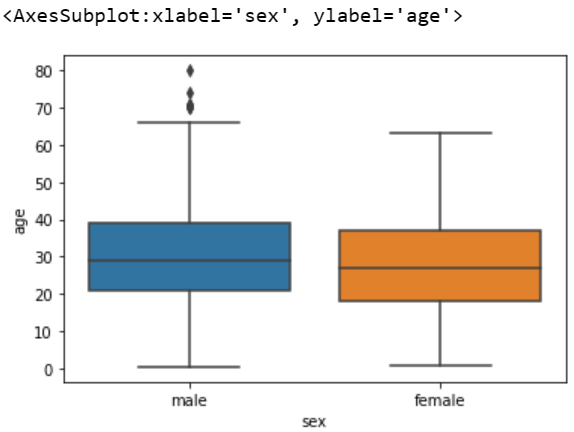
sns.barplot(x='sex', y='age', data=dataset, estimator=np.std)



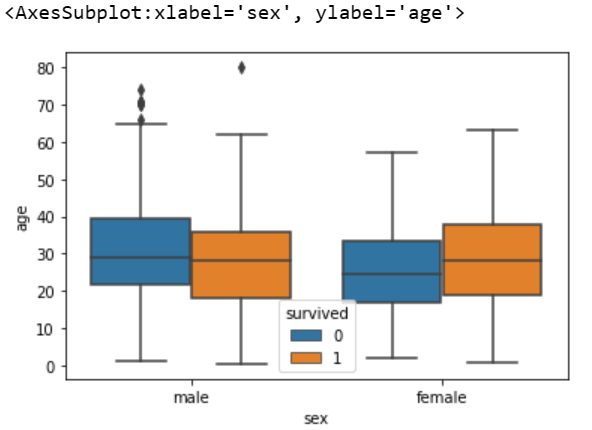
sns.countplot(x='sex', data=dataset)



sns.boxplot(x='sex', y='age', data=dataset)



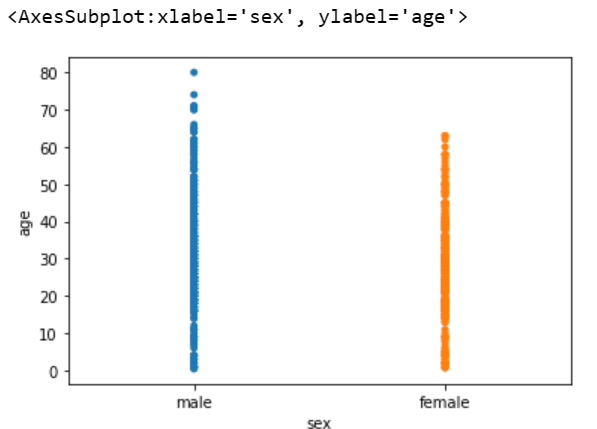
sns.boxplot(x='sex', y='age', data=dataset, hue="survived")



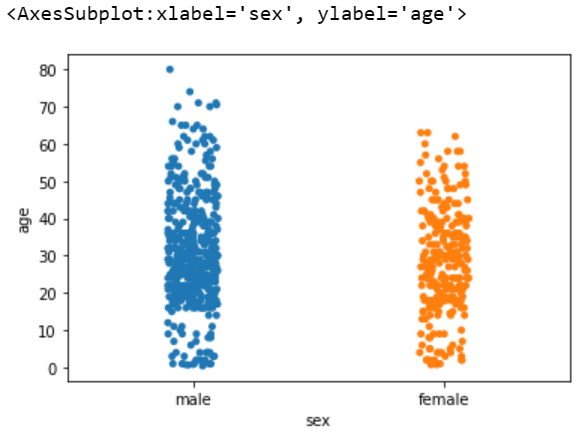
sns.violinplot(x='sex', y='age', data=dataset)



sns.stripplot(x='sex', y='age', data=dataset, jitter=False)



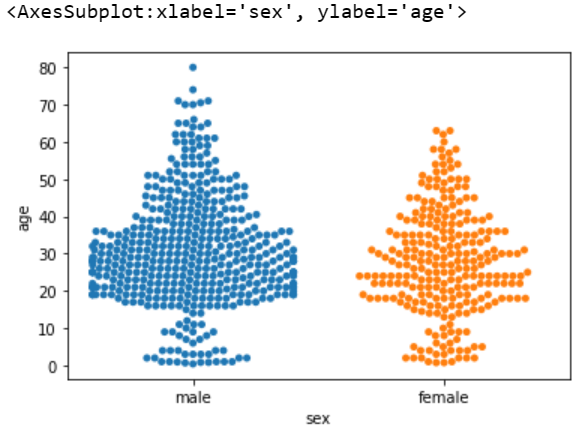
sns.stripplot(x='sex', y='age', data=dataset, jitter=True)



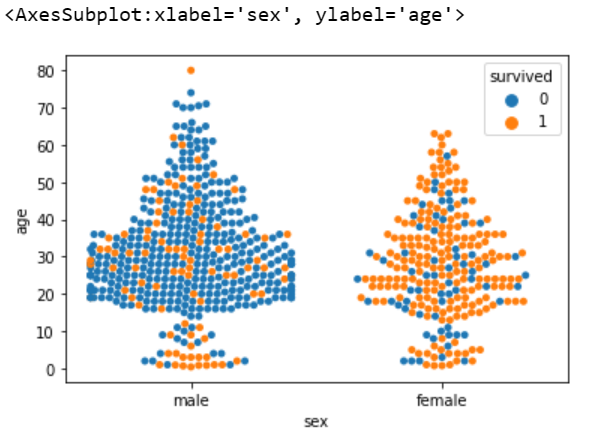
sns.stripplot(x='sex', y='age', data=dataset, jitter=True, hue='survived')



sns.swarmplot(x='sex', y='age', data=dataset)



sns.swarmplot(x='sex', y='age', data=dataset,hue='survived')

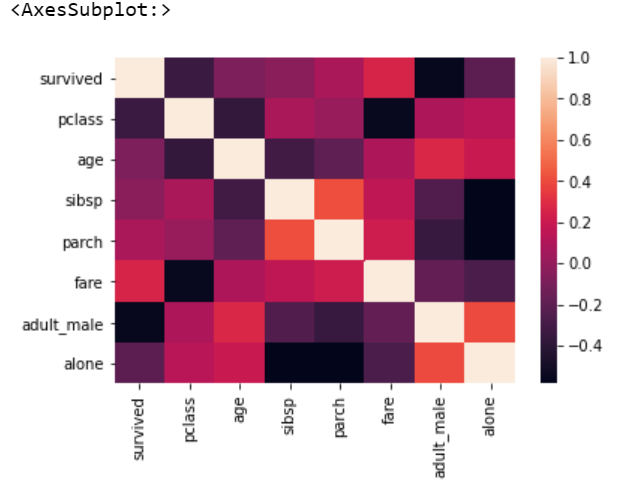


dataset.corr()



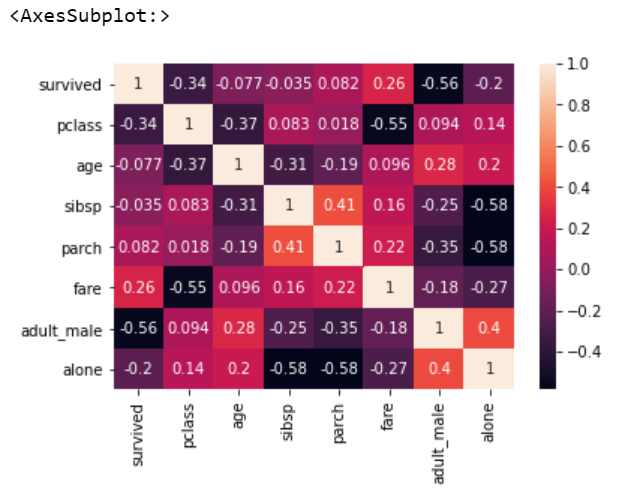
corr = dataset.corr()

sns.heatmap(corr)



corr = dataset.corr()

sns.heatmap(corr, annot=True)



sns.histplot(dataset['fare'], kde=False, bins=10)

