Python Visualization Project

Data used: inbuilt dataset in python ‘titanic’ and ‘tips’

Library: seaborne and matplotlib

Source: Udemy online (Python Data science and Machine leaning)

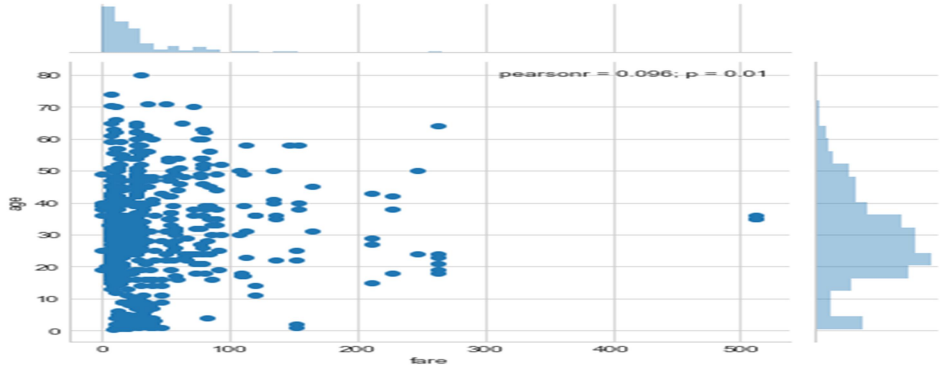
Below is the head of dataset call “titanic”

Out[3]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	Southampton	no	False
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	Southampton	yes	True
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	Southampton	no	True

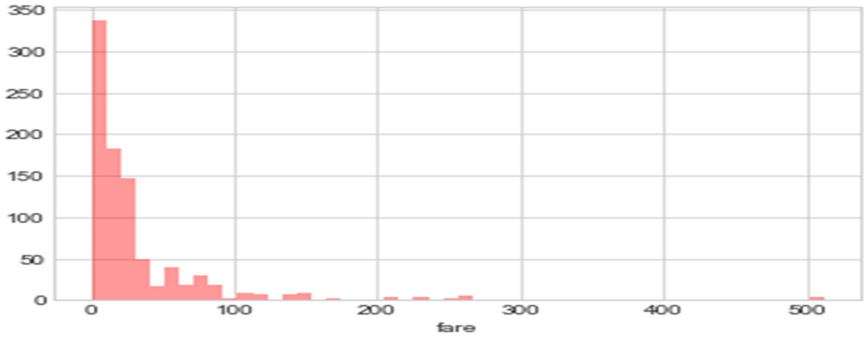
1-Plot type: “ joint grid plot” kind=’scatter’

Out[20]: <seaborn.axisgrid.JointGrid at 0x13724229e80>



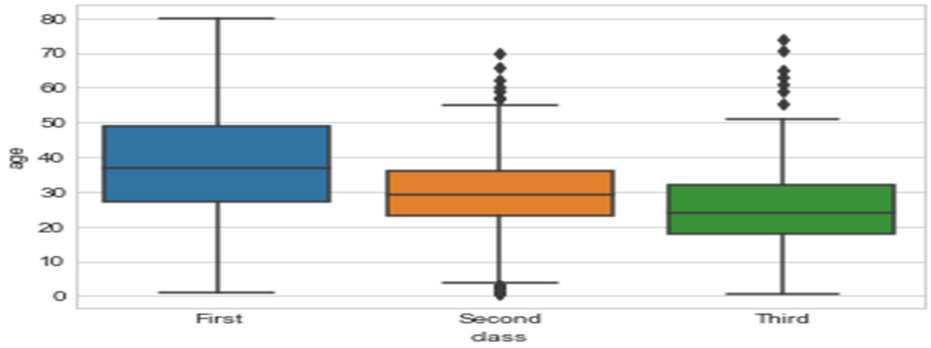
2-Plot type: “ Distribution plot”

Out[32]: <matplotlib.axes._subplots.AxesSubplot at 0x137259d2940>



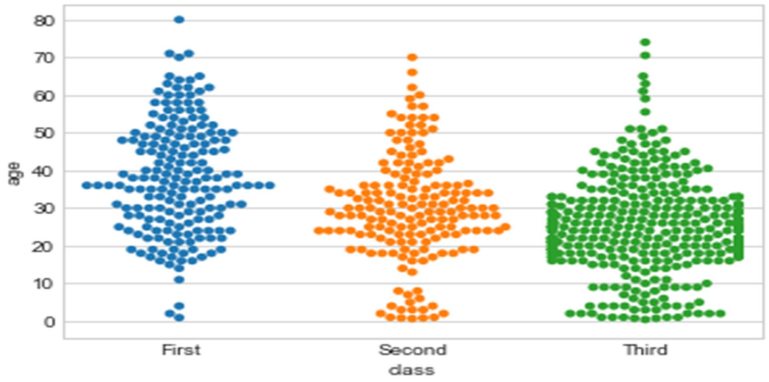
3-Plot type: “ Box plot”

```
In [39]: p=sns.boxplot(x='class', y='age', data=df)
```

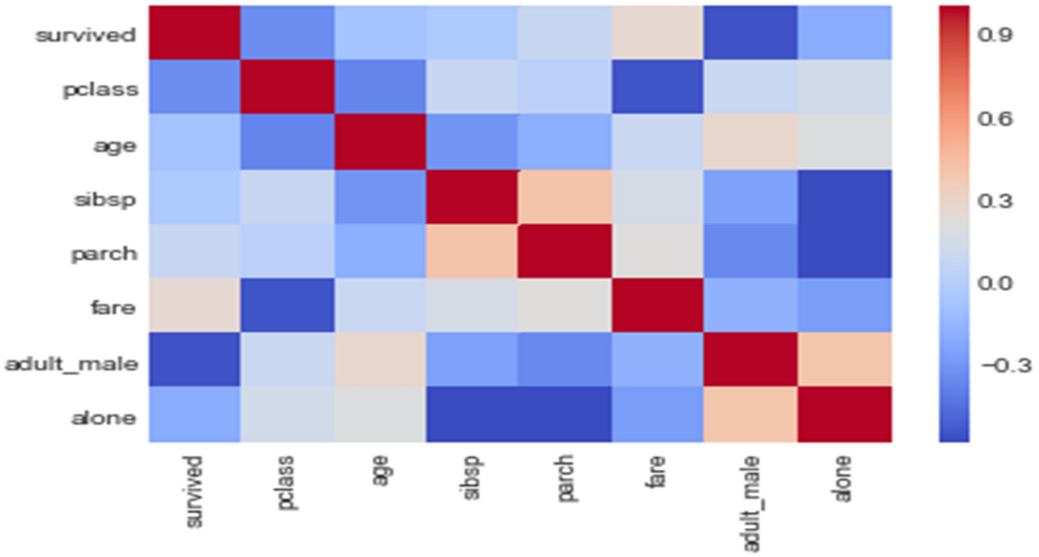


4-Plot type: “ swamplot”

```
Out[40]: <matplotlib.axes._subplots.AxesSubplot at 0x13725dd7e10>
```



4-Plot type: “ Heat map with corr”



4-Plot type: “ FaceGrid”(its create multiple Row and Col based plot so we can see huge info in single shot)

```
Out[92]: <seaborn.axisgrid.FacetGrid at 0x1374112d1d0>
```