

# seaborn

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## 1 LUIZ HENRIQUE DOS SANTOS FALEIROS

## 2 GU 3003825

```
[ ]: import seaborn as sns
import matplotlib.pyplot as plt
```

```
[ ]: sns.set_style('whitegrid')
titanic = sns.load_dataset('titanic')
```

```
[ ]: titanic.head()
```

```
[ ]:      survived  pclass    sex  age  sibsp  parch    fare embarked  class \
0           0         3   male  22.0     1     0   7.2500          S  Third
1           1         1  female  38.0     1     0  71.2833          C  First
2           1         3  female  26.0     0     0   7.9250          S  Third
3           1         1  female  35.0     1     0  53.1000          S  First
4           0         3   male  35.0     0     0   8.0500          S  Third
```

```
      who  adult_male deck  embark_town  alive  alone
0   man         True  NaN  Southampton    no  False
1 woman        False   C   Cherbourg   yes  False
2 woman        False  NaN  Southampton   yes   True
3 woman        False   C   Southampton   yes  False
4   man         True  NaN  Southampton    no   True
```

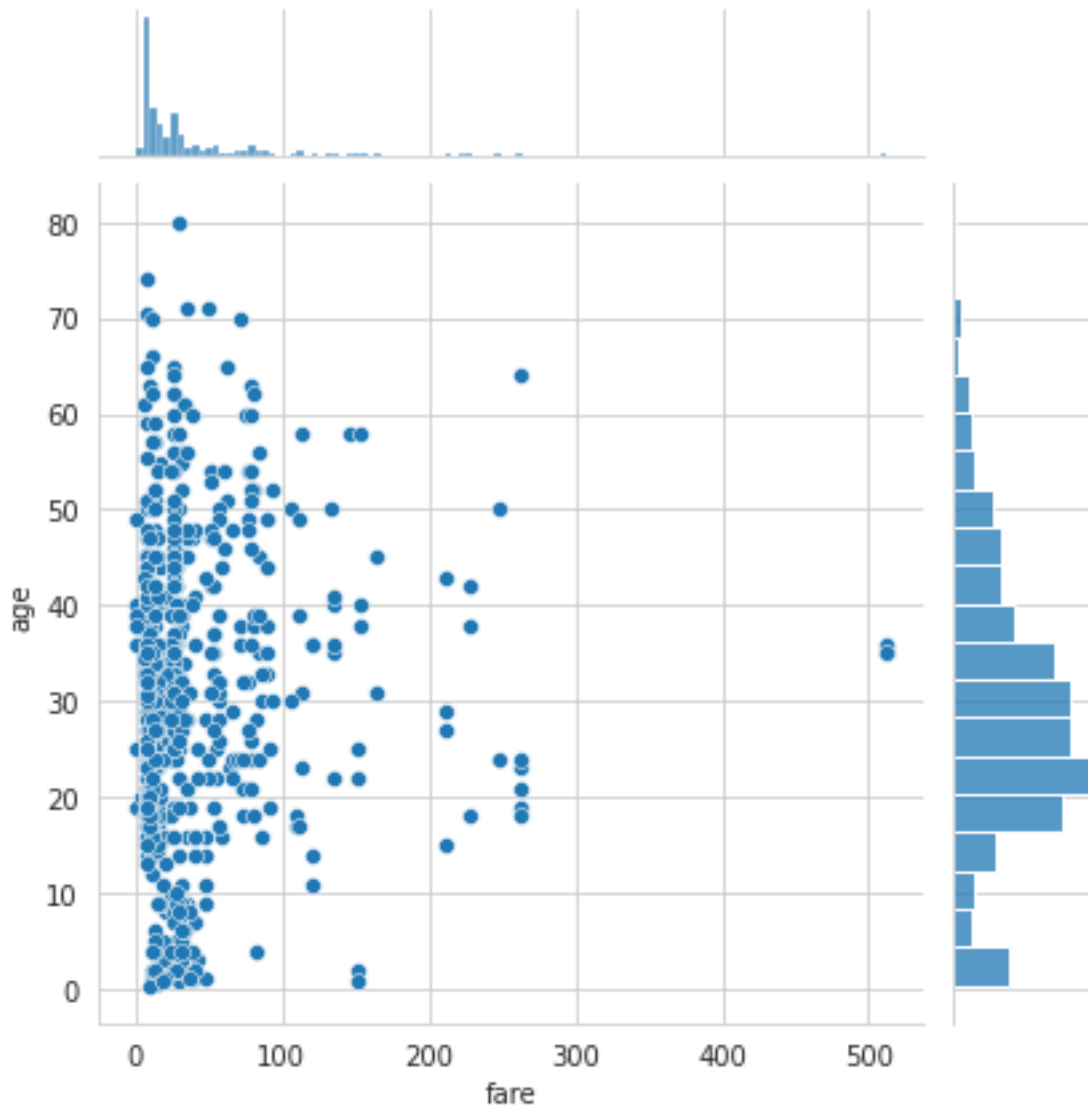
## 3 PONHA O SEU CÓDIGO AQUI,

## 4 POIS SE USASSE A LINHA DEBAIXO, PODERIA ACABAR APAGANDO O PLOT QUE DESEJAMOS

## 5 ENCONTRAR.

```
[ ]: sns.jointplot(x='fare',y='age',data=titanic)
```

```
[ ]: <seaborn.axisgrid.JointGrid at 0x7f38af525a60>
```

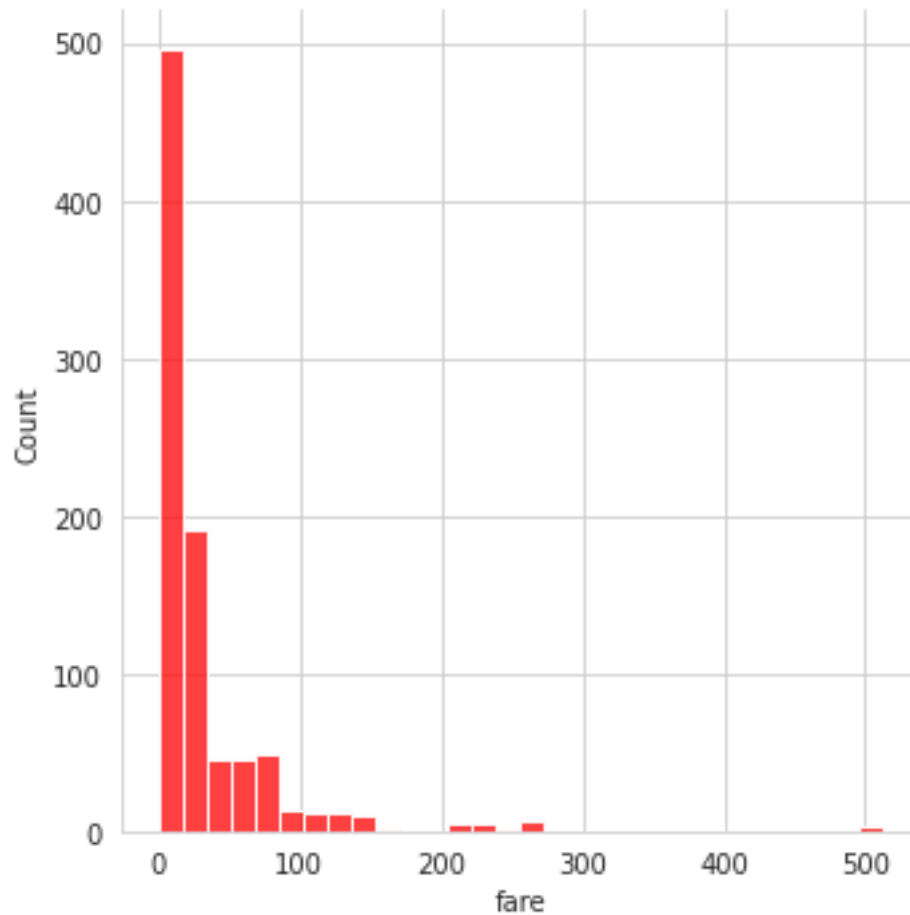


6 PONHA O SEU CÓDIGO AQUI,

7 POIS SE USASSE A LINHA DEBAIXO, PODERIA ACABAR APAGANDO O PLOT QUE DESEJAMOS ENCONTRAR

```
[ ]: sns.displot(titanic['fare'],bins=30,kde=False,color='red')
```

```
[ ]: <seaborn.axisgrid.FacetGrid at 0x7f38ad0eee80>
```

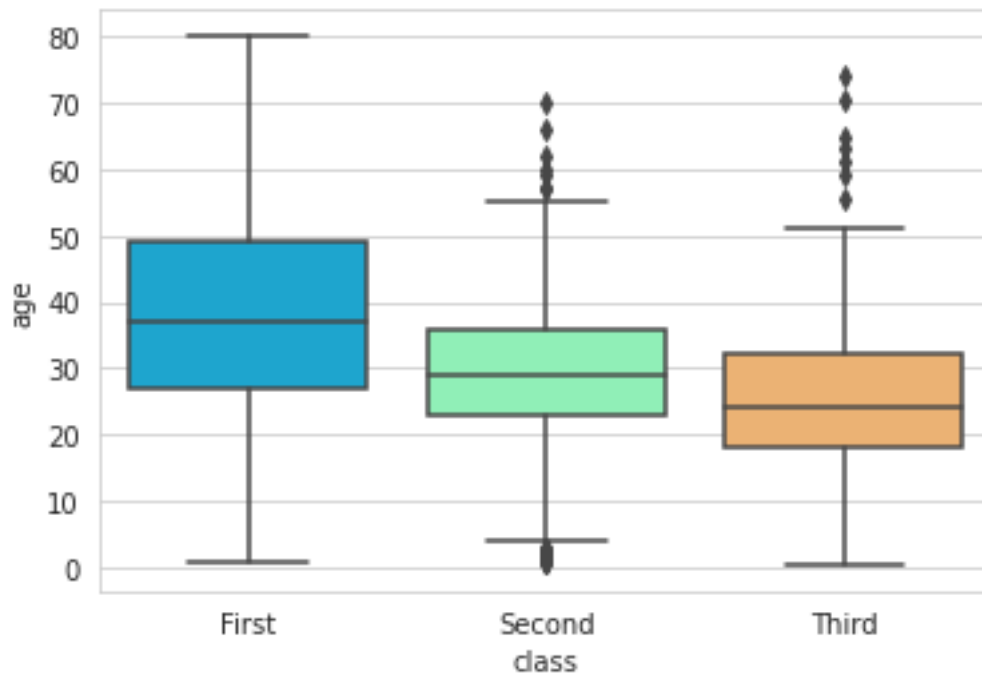


8 PONHA O SEU CÓDIGO AQUI,

9 POIS SE USASSE A LINHA DEBAIXO, PODERIA ACABAR APAGANDO O PLOT QUE DESEJAMOS ENCONTRAR.

```
[ ]: sns.boxplot(x='class',y='age',data=titanic,palette='rainbow')
```

```
[ ]: <AxesSubplot:xlabel='class', ylabel='age'>
```

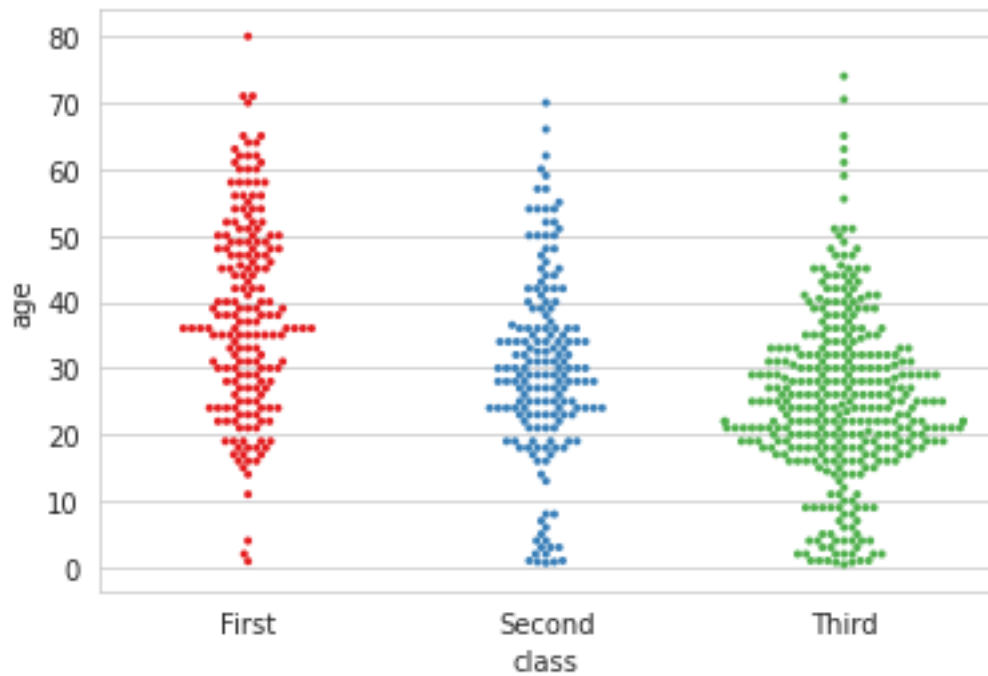


10 PONHA O SEU CÓDIGO AQUI,

11 POIS SE USASSE A LINHA DEBAIXO, PODERIA ACABAR APAGANDO O PLOT QUE DESEJAMOS ENCONTRAR.

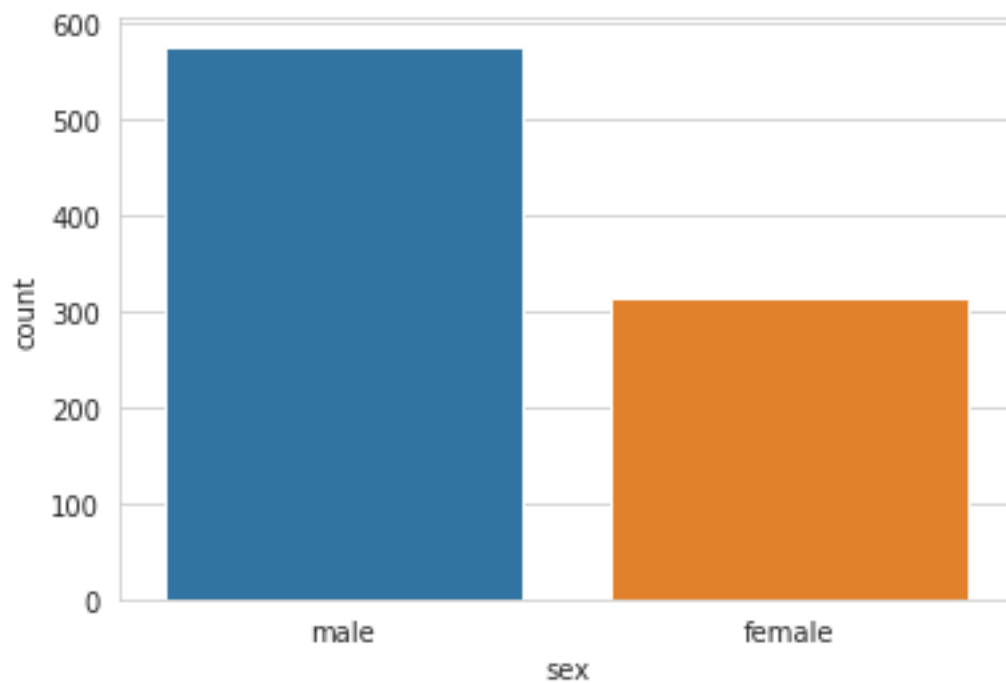
```
[ ]: sns.swarmplot(x='class',y='age',s= 3,data=titanic,palette='Set1')
```

```
[ ]: <AxesSubplot:xlabel='class', ylabel='age'>
```



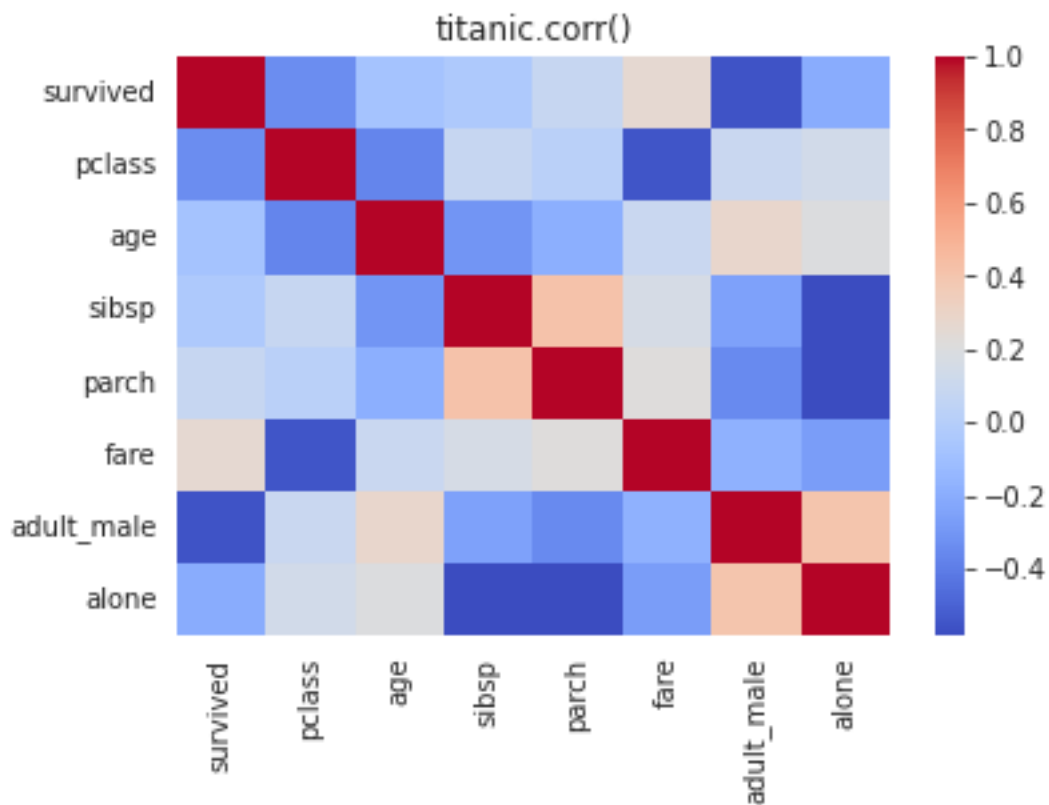
```
[ ]: sns.countplot(x='sex',data=titanic)
```

```
[ ]: <AxesSubplot:xlabel='sex', ylabel='count'>
```



```
[ ]: sns.heatmap(titanic.corr(),cmap='coolwarm')
plt.title('titanic.corr()')
```

```
[ ]: Text(0.5, 1.0, 'titanic.corr()')
```



```
[ ]: g = sns.FacetGrid(data=titanic,col='sex')
g.map(plt.hist,'age')
```

```
[ ]: <seaborn.axisgrid.FacetGrid at 0x7f38a6b36f40>
```

