```
In [1]:
           1 # ignore warnings
             import warnings
             # set the warninig filter to ignore futurewarning
           4 warnings.simplefilter(action="ignore",category=FutureWarning)
In [2]:
             import numpy as np
             import pandas as pd
           3 import matplotlib.pyplot as plt
             import seaborn as sns
In [3]:
           1 | df=sns.load dataset('titanic')
           2
             df
Out[3]:
              survived pclass
                                      age sibsp parch
                                                          fare embarked
                                                                           class
                                                                                   who adult_male deck embark_town alive alone
                                 sex
                    0
           0
                            3
                                male
                                     22.0
                                              1
                                                    0
                                                        7.2500
                                                                      S
                                                                           Third
                                                                                   man
                                                                                              True
                                                                                                   NaN
                                                                                                         Southampton
                                                                                                                       no
                                                                                                                           False
                    1
                            1 female
                                     38.0
                                                     0 71.2833
                                                                                             False
                                                                                                     С
                                                                            First woman
                                                                                                            Cherbourg
                                                                                                                           False
                                                                                                                      yes
            2
                    1
                                     26.0
                                                        7.9250
                            3 female
                                              0
                                                    0
                                                                      S
                                                                           Third woman
                                                                                             False
                                                                                                   NaN
                                                                                                         Southampton
                                                                                                                            True
                                                                                                                      yes
            3
                                                       53.1000
                                                                      S
                     1
                            1 female
                                     35.0
                                                                            First woman
                                                                                             False
                                                                                                          Southampton
                                                                                                                      yes
                                                                                                                           False
                    0
                                     35.0
                                                        8.0500
                                                                                                                            True
            4
                            3
                                male
                                              0
                                                                      S
                                                                           Third
                                                                                   man
                                                                                              True
                                                                                                   NaN
                                                                                                          Southampton
                                                                                                                       no
```

S Second

Third

First

Third

S

S

С

Q

man

woman

man

man

First woman

NaN

NaN

В

С

True

False

False

True

True NaN

Southampton

Southampton

Southampton

Queenstown

Cherbourg

no

yes

no

ves

no

True

True

False

True

True

0 13.0000

2 23.4500

0 30.0000

7.7500

30.0000

4

886

887

888

889

890

0

1

0

1

0

male 27.0

male 32.0

1 female

3 female NaN

male

19.0

26.0

0

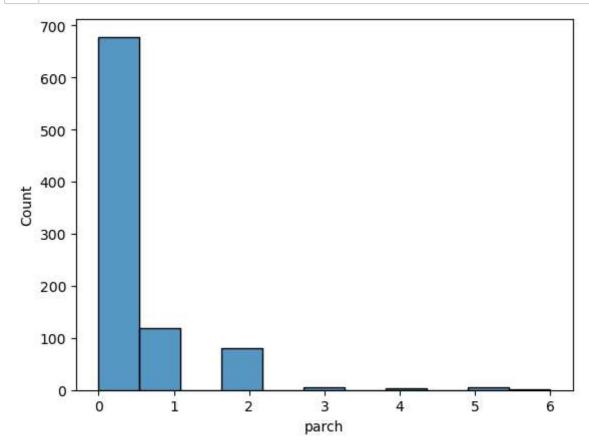
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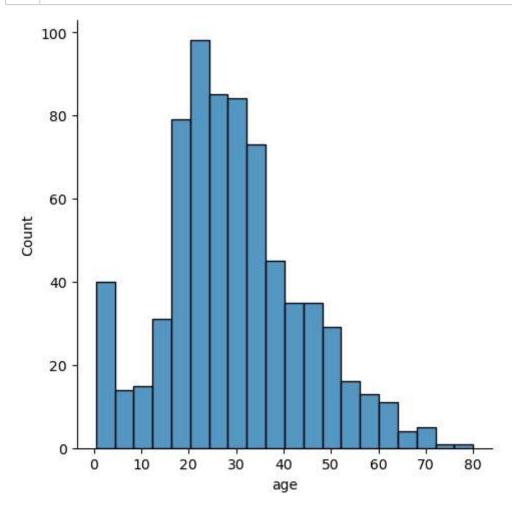
0

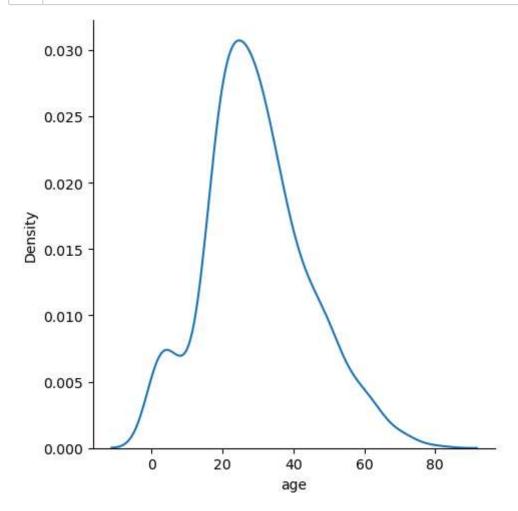


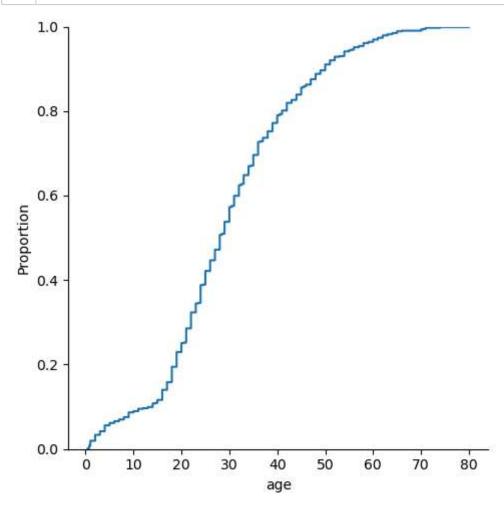


Displot

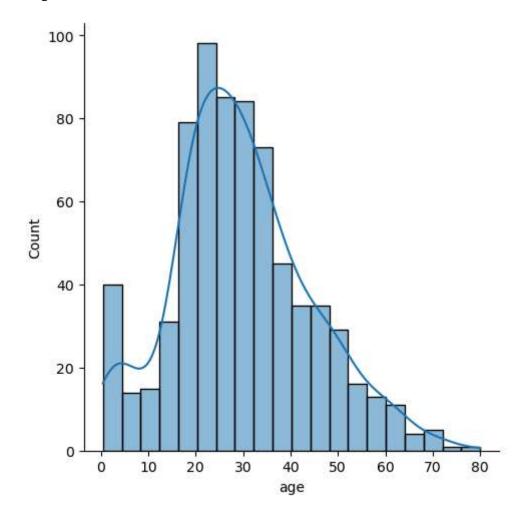






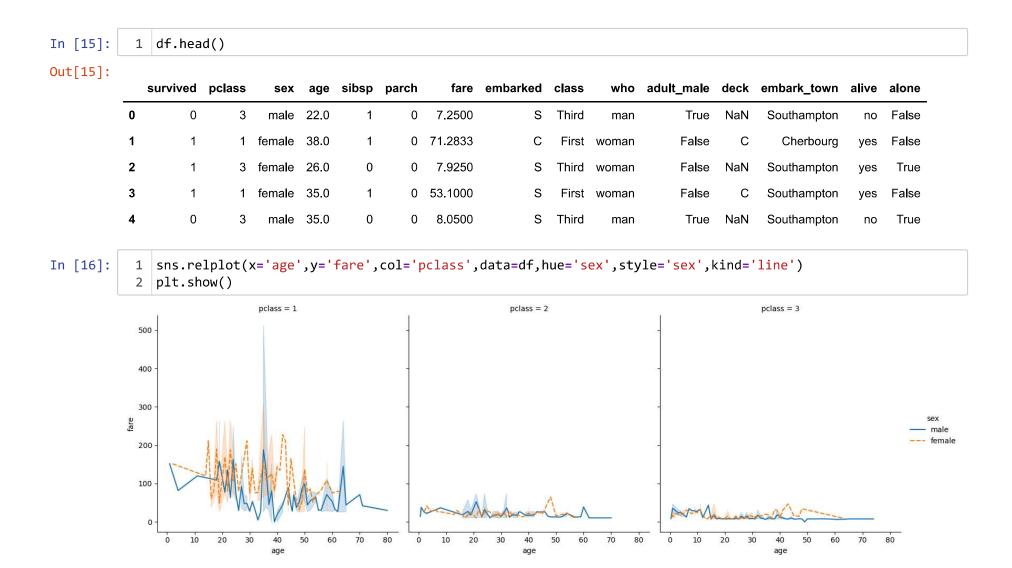


<Figure size 1500x1500 with 0 Axes>

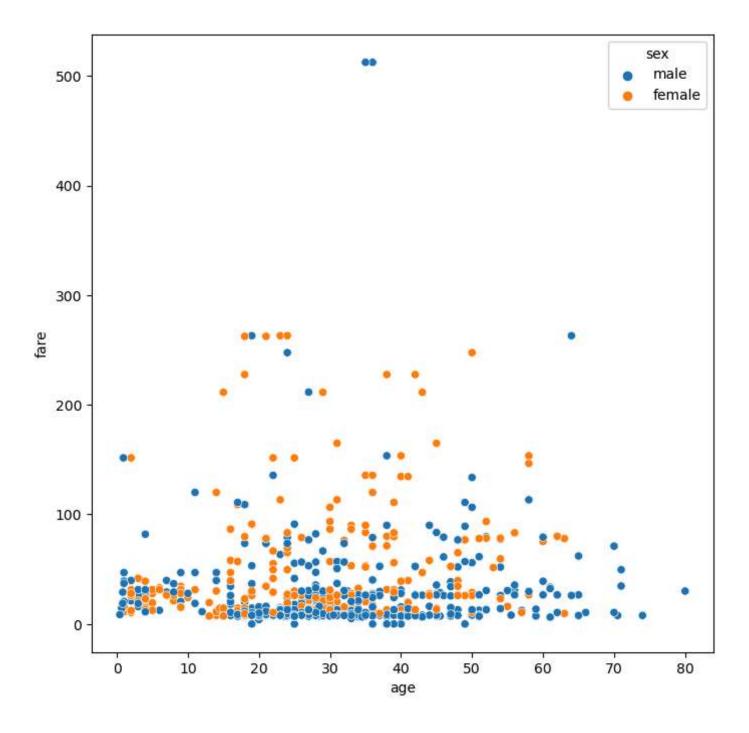


2# Relational plots

relplot()

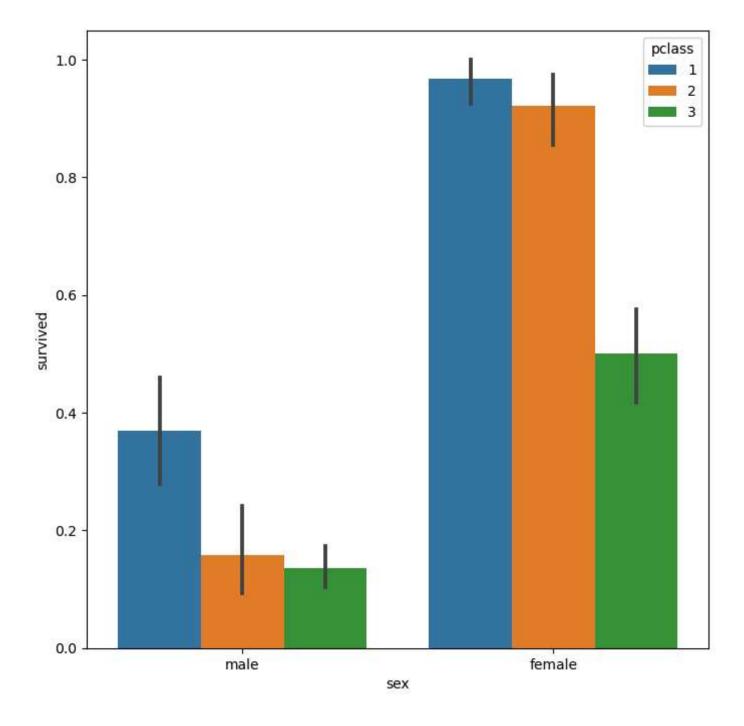


scatter plot

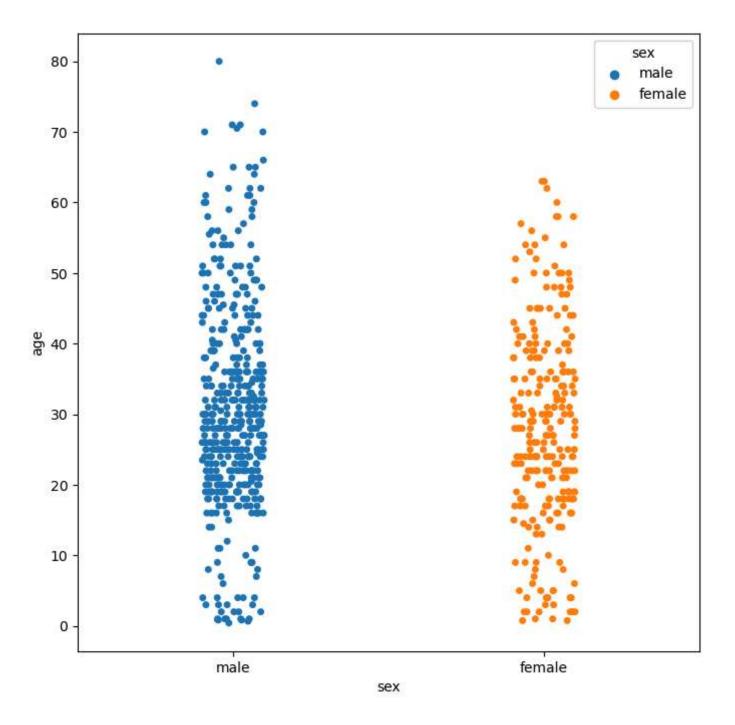


3 categorical plot

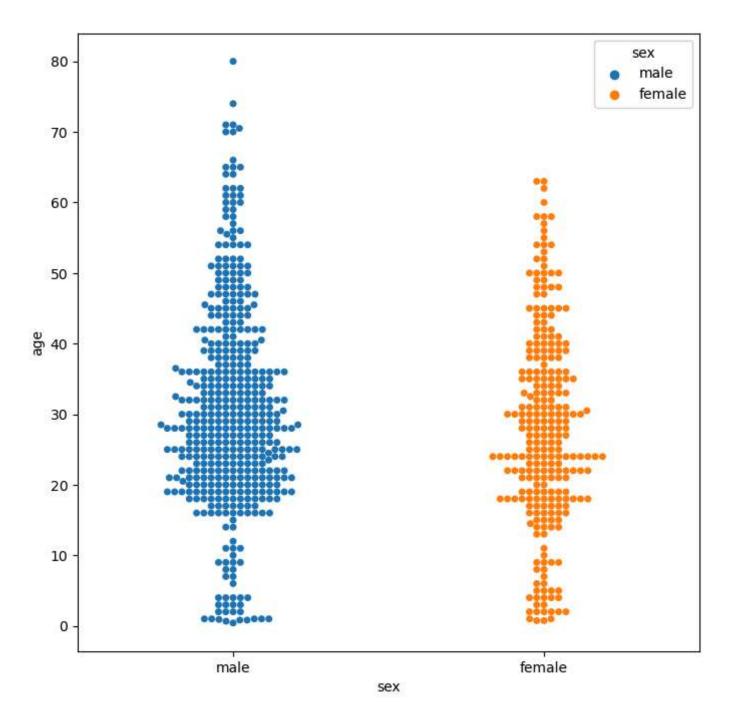
3.1 Barplot



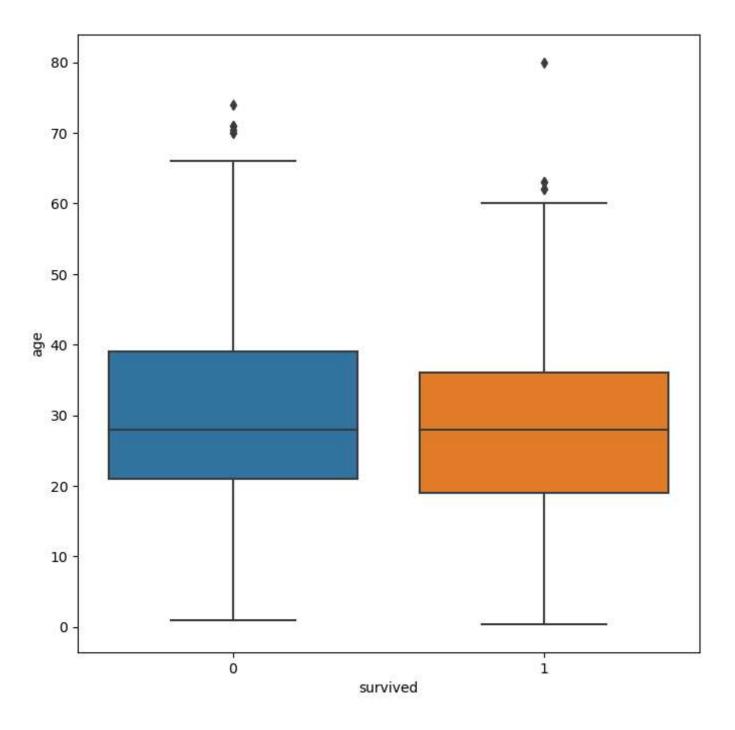
3.2 stripplot

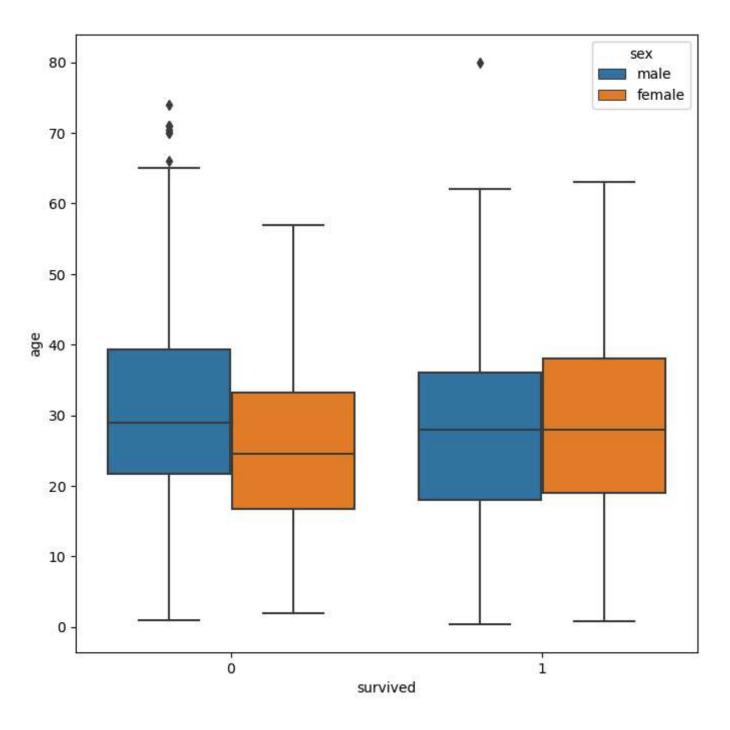


3.3 Swarmplot

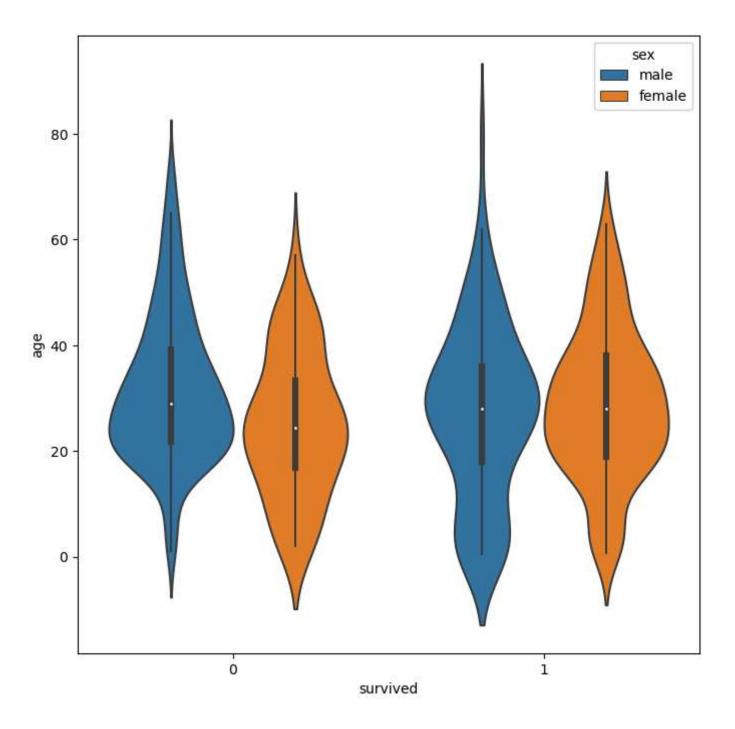


3.4 Boxplot

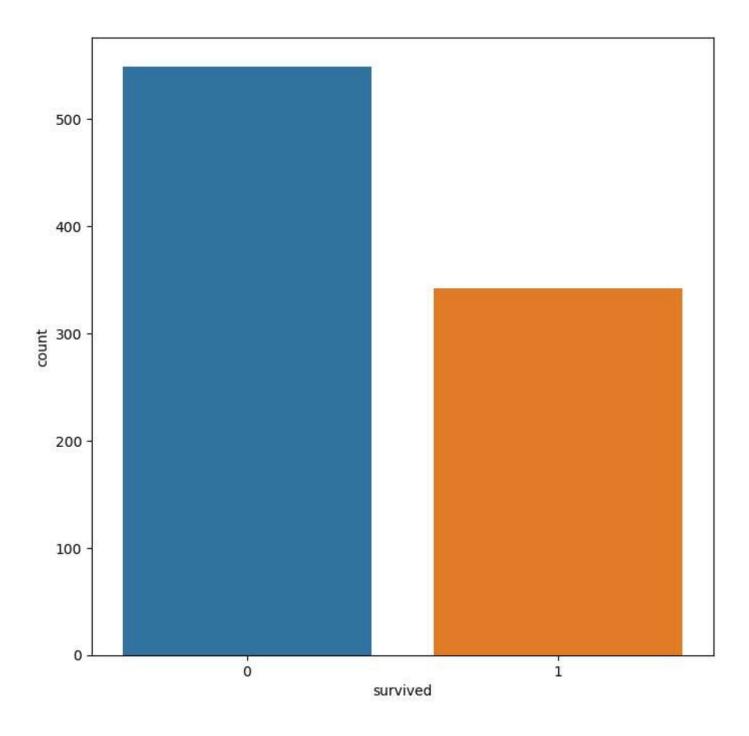


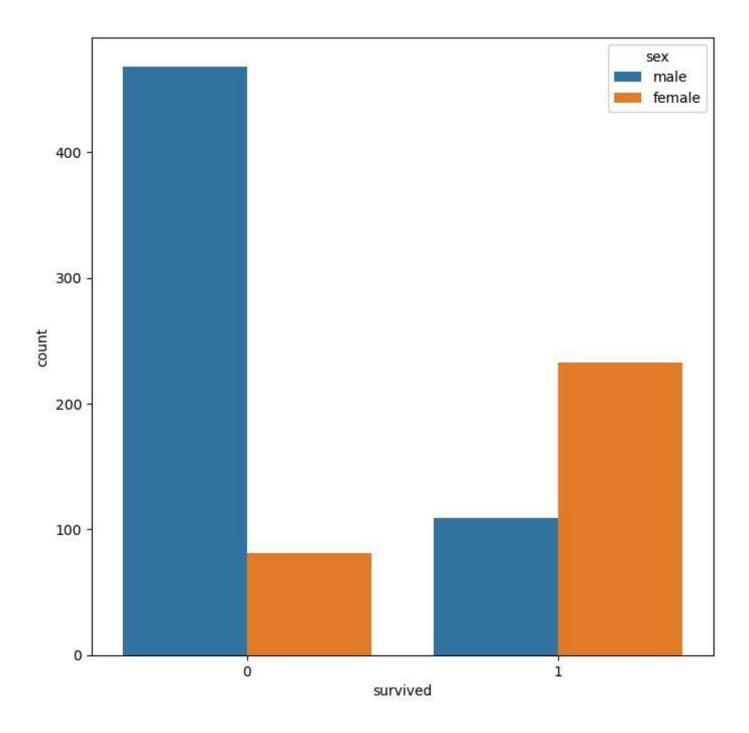


3.5 Violinplot

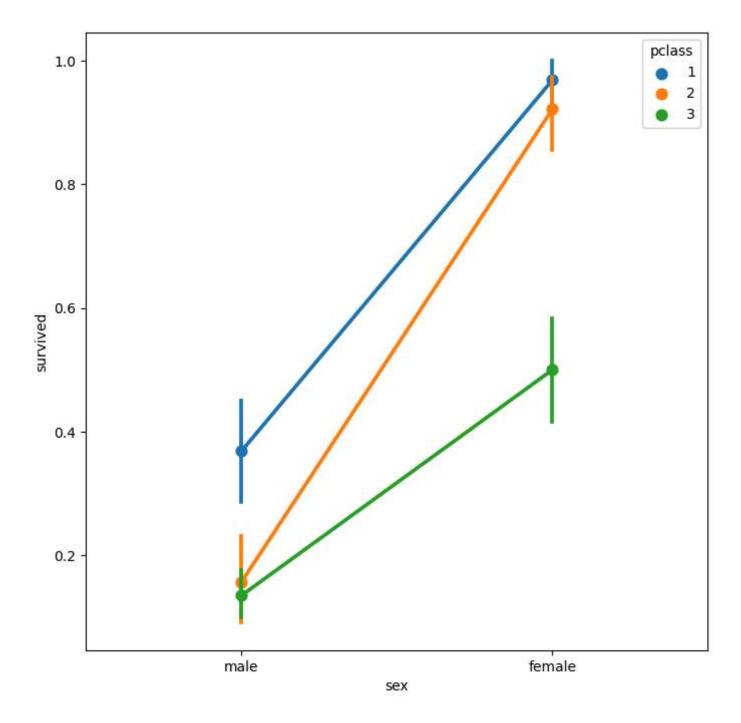


3.6 Countplot



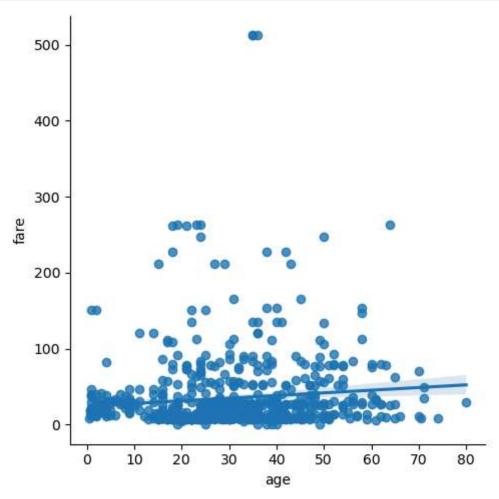


3.7 pointplot

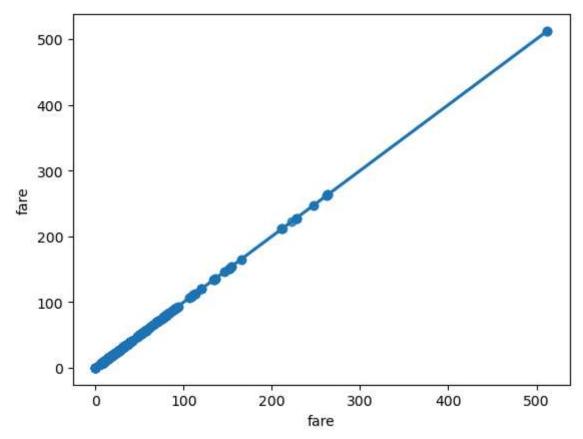


4 Regression plots

4.1 Implot()

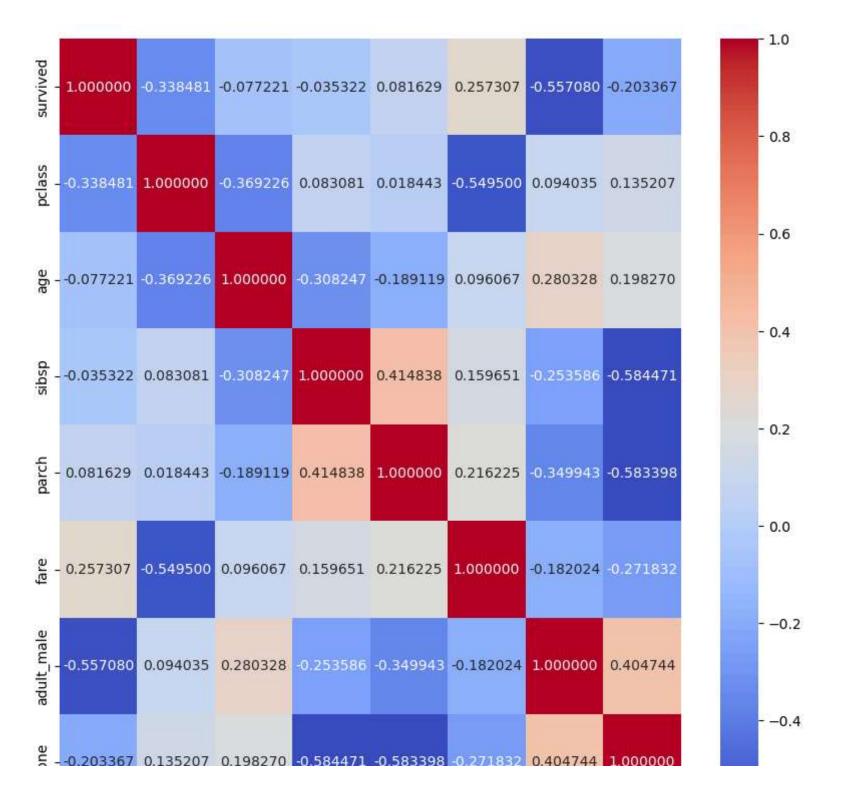


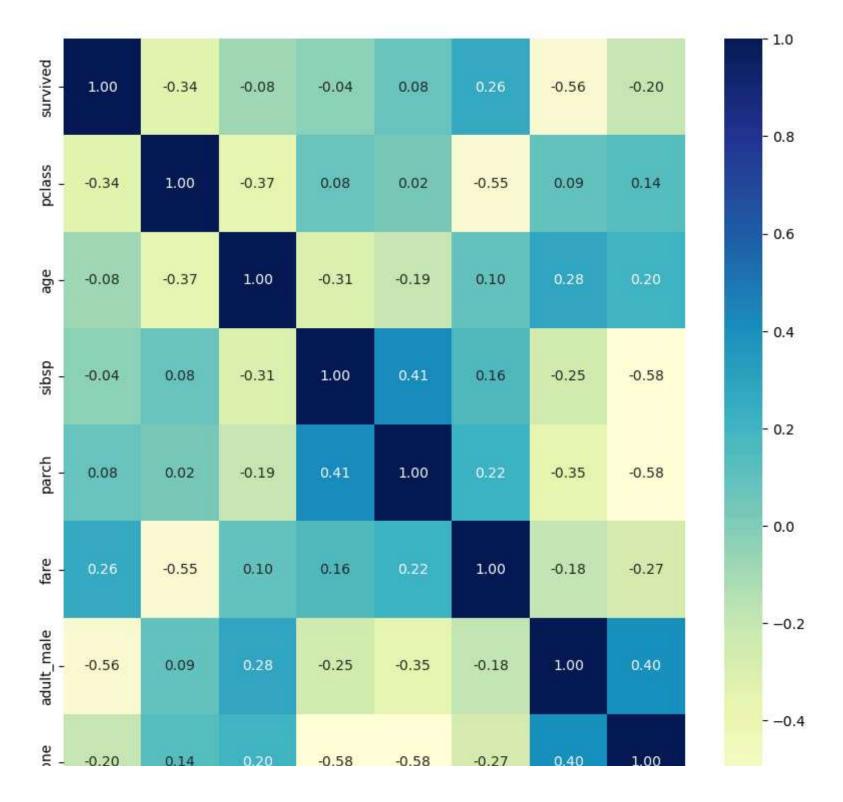
4.2 Regplot



5 Matrix plots

5.1 Heatmap





In []: 1