

```
In [1]: 1 # Create a pie chart presenting the male/female proportion
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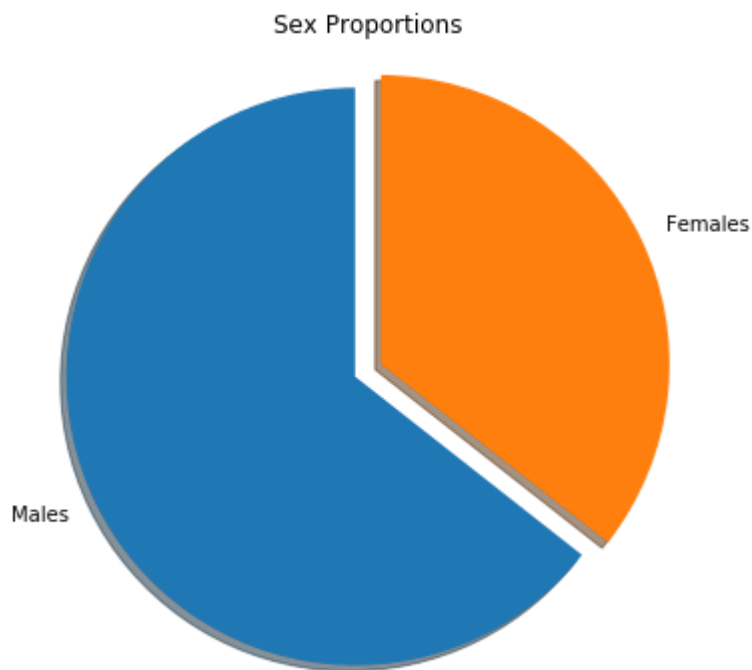
```
In [2]: 1 import pandas as pd
        2 import numpy as np
        3 import matplotlib.pyplot as plt
```

```
In [3]: 1 titanic=pd.read_csv('https://raw.githubusercontent.com/Geoyi/Cleaning-Titanic
```

```
In [4]: 1 titanic.info()
```

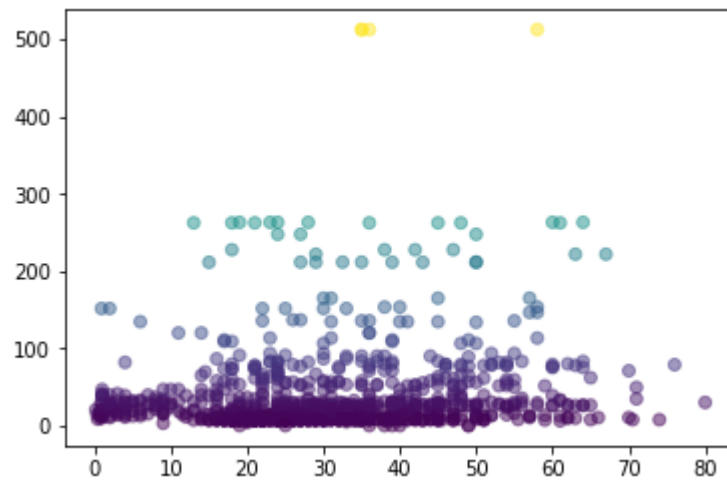
```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1310 entries, 0 to 1309
Data columns (total 14 columns):
pclass      1309 non-null float64
survived     1309 non-null float64
name        1309 non-null object
sex          1309 non-null object
age         1046 non-null float64
sibsp       1309 non-null float64
parch       1309 non-null float64
ticket      1309 non-null object
fare        1308 non-null float64
cabin       295 non-null object
embarked    1307 non-null object
boat        486 non-null object
body        121 non-null float64
home.dest   745 non-null object
dtypes: float64(7), object(7)
memory usage: 143.4+ KB
```

```
In [5]: 1 proportions = []
2 sum_instances = titanic['sex'].value_counts()
3 length = len(titanic['sex'])
4 proportions = list(sum_instances)
5 labels = ['Males', 'Females']
6 explode = (0,0.1)
7 sizes = proportions
8 fig, ax1 = plt.subplots(figsize = (6,6))
9 ax1.pie(sizes, explode = explode, labels = labels, shadow = True, startangle=
10 ax1.axis('equal')
11 ax1.set_title("Sex Proportions")
12 plt.show()
13
```



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In [6]: 1 #Create a scatterplot with the Fare paid and the Age, differ the plot color b
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```
In [8]: 1 scatter_plot = plt.scatter(titanic['age'], titanic['fare'], alpha=0.5, c=tita  
2      plt.show()
```



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In [ ]: 1
```