In [3]:
```
import pandas as pd
```

In [4]:
```
df=pd.read_csv('train_and_test2.csv')
```

In [5]:
```
df
```

Out[5]:

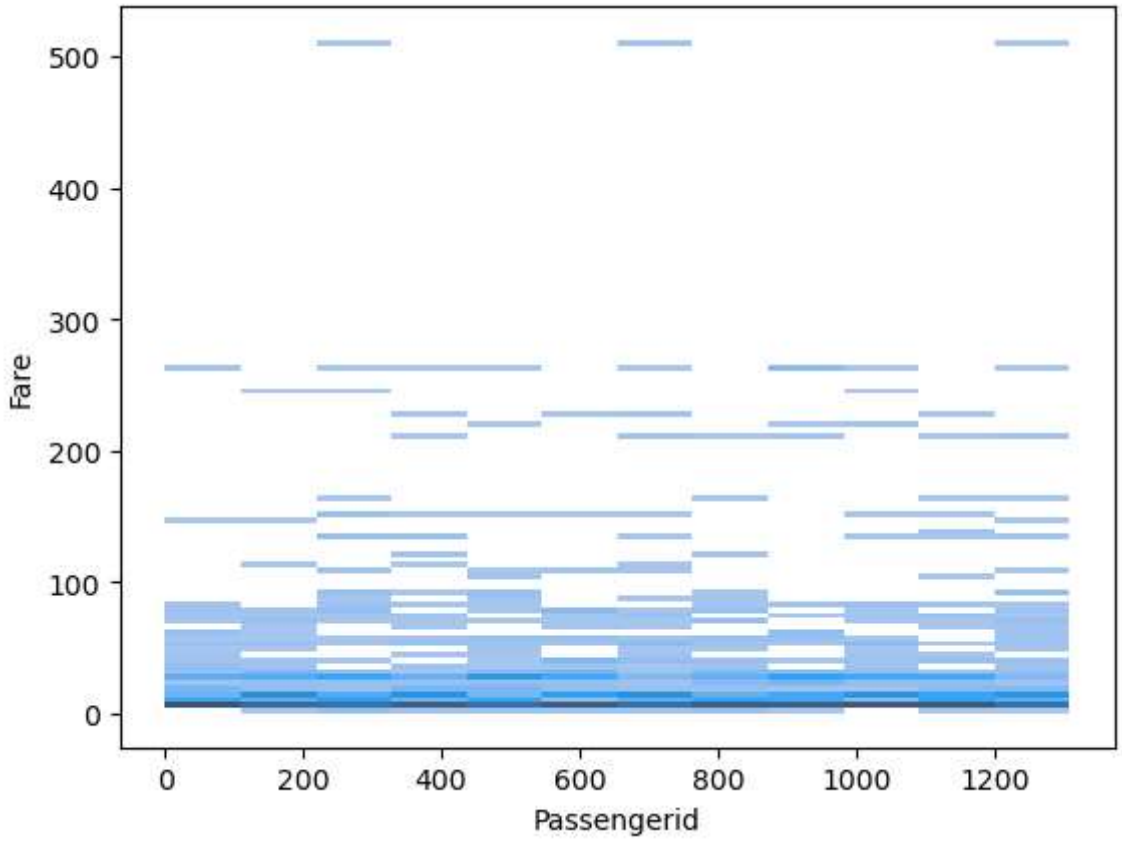
	Passengerid	Age	Fare	Sex	sibsp	zero	zero.1	zero.2	zero.3	zero.4	...	zero.12
0	1	22.0	7.2500	0	1	0	0	0	0	0	...	0
1	2	38.0	71.2833	1	1	0	0	0	0	0	...	0
2	3	26.0	7.9250	1	0	0	0	0	0	0	...	0
3	4	35.0	53.1000	1	1	0	0	0	0	0	...	0
4	5	35.0	8.0500	0	0	0	0	0	0	0	...	0
...	...	...	...	...	...	...	...	...	...	...	...	...
1304	1305	28.0	8.0500	0	0	0	0	0	0	0	...	0
1305	1306	39.0	108.9000	1	0	0	0	0	0	0	...	0
1306	1307	38.5	7.2500	0	0	0	0	0	0	0	...	0
1307	1308	28.0	8.0500	0	0	0	0	0	0	0	...	0
1308	1309	28.0	22.3583	0	1	0	0	0	0	0	...	0

1309 rows × 28 columns

In [6]:
```
import seaborn as sns
```

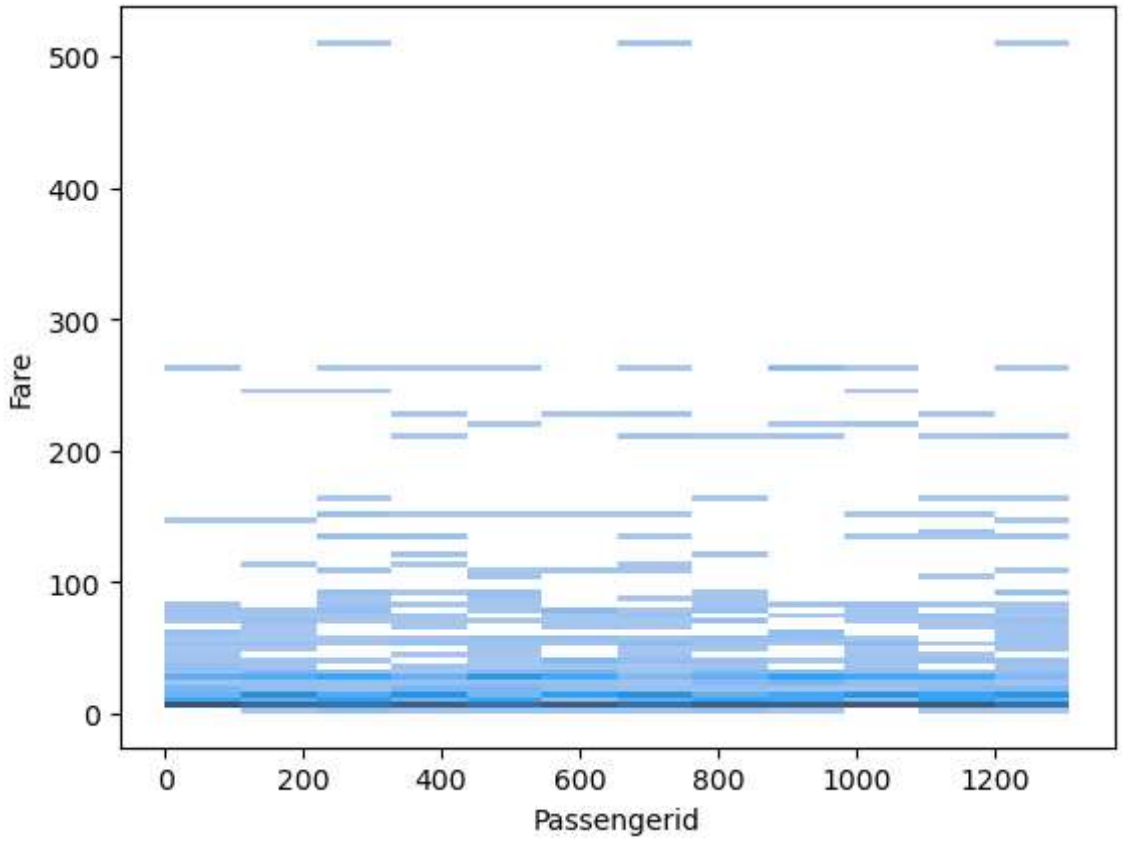
In [7]:
```
sns.histplot(data=df,x='Passengerid',y='Fare')
```

Out[7]:
```
<AxesSubplot:xlabel='Passengerid', ylabel='Fare'>
```



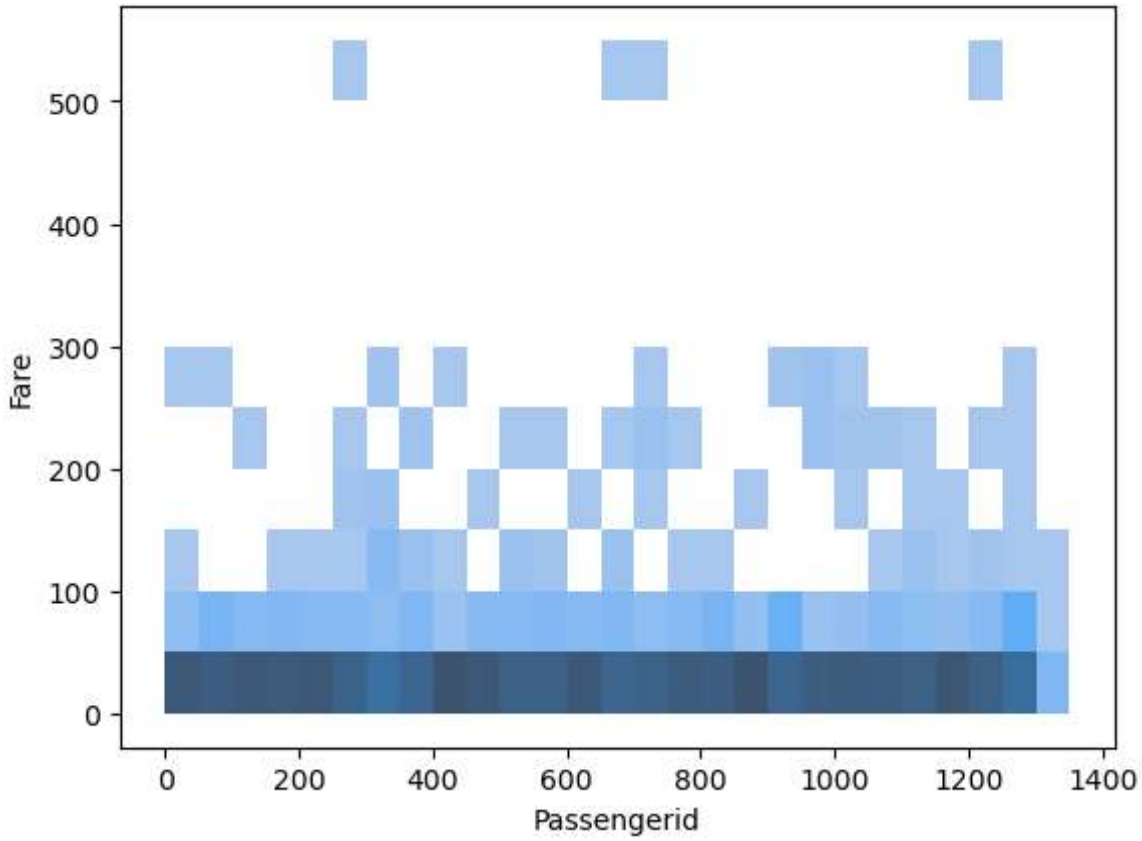
In [8]:
```
sns.histplot(data=df,x='Passengerid',y='Fare',bins='auto')
```

Out[8]: <AxesSubplot:xlabel='Passengerid', ylabel='Fare'>



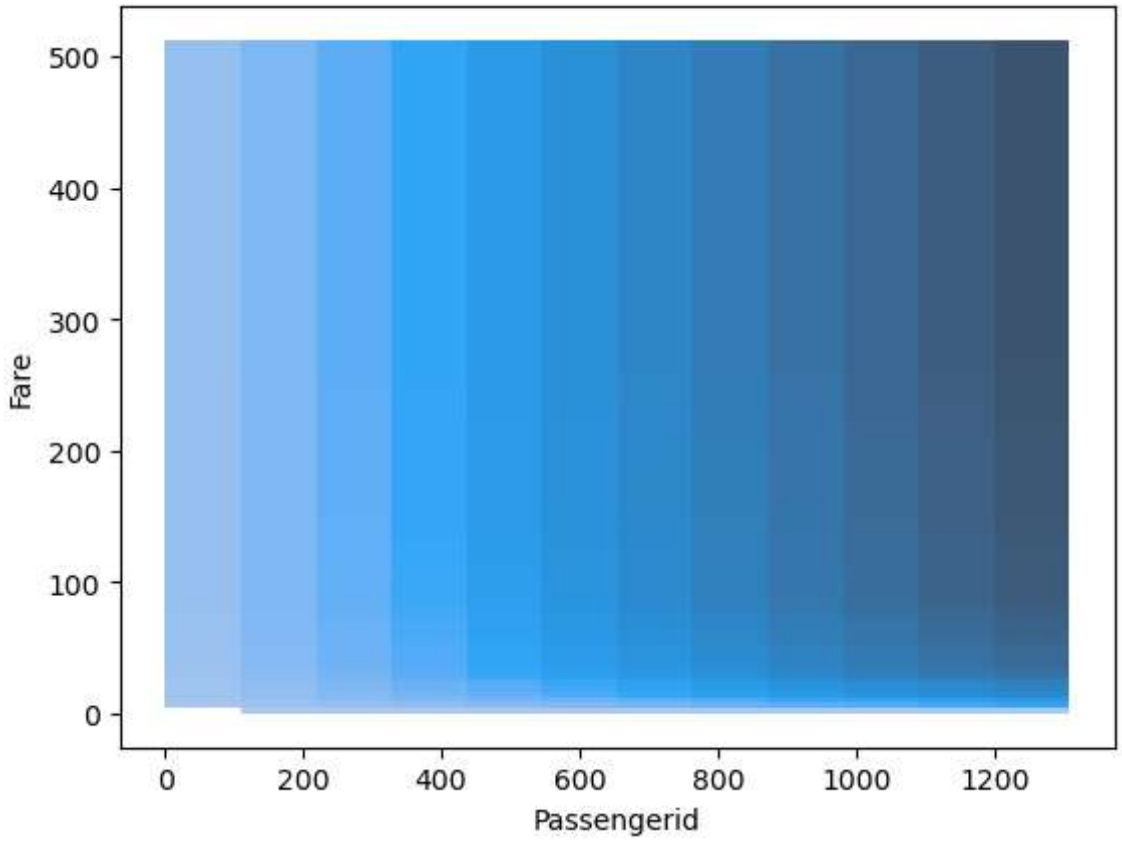
In [9]:
```
sns.histplot(data=df,x='Passengerid',y='Fare',binwidth=50)
```

Out[9]: <AxesSubplot:xlabel='Passengerid', ylabel='Fare'>



In [10]:
```
sns.histplot(data=df,x='Passengerid',y='Fare',cumulative='true')
```

Out[10]: <AxesSubplot:xlabel='Passengerid', ylabel='Fare'>



In [11]:
```
import matplotlib.pyplot as plt
```

In [12]:
```
df=pd.read_csv('train_and_test2.csv')
```

In [13]:
```
df
```

Out[13]:

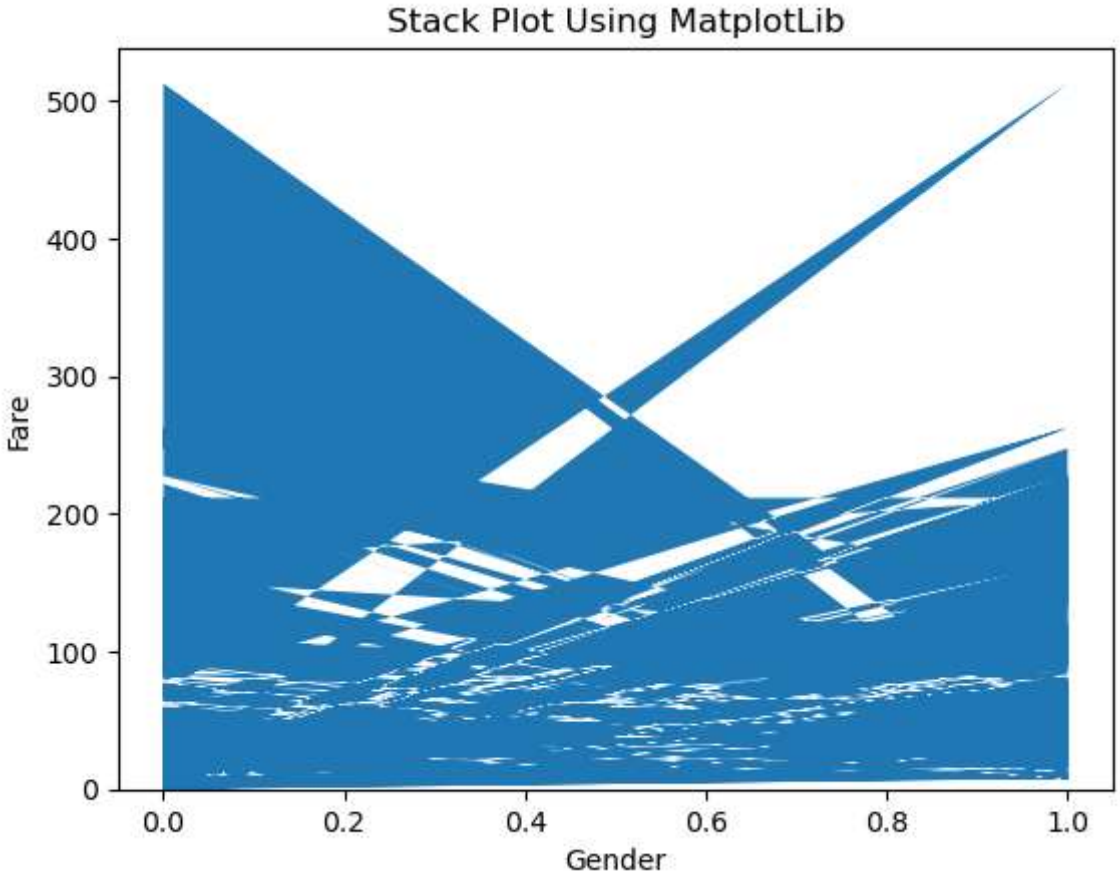
	Passengerid	Age	Fare	Sex	sibsp	zero	zero.1	zero.2	zero.3	zero.4	...	zero.12
0	1	22.0	7.2500	0	1	0	0	0	0	0	...	0
1	2	38.0	71.2833	1	1	0	0	0	0	0	...	0
2	3	26.0	7.9250	1	0	0	0	0	0	0	...	0
3	4	35.0	53.1000	1	1	0	0	0	0	0	...	0
4	5	35.0	8.0500	0	0	0	0	0	0	0	...	0
...	...	...	...	...	...	...	...	...	...	...	...	...
1304	1305	28.0	8.0500	0	0	0	0	0	0	0	...	0
1305	1306	39.0	108.9000	1	0	0	0	0	0	0	...	0
1306	1307	38.5	7.2500	0	0	0	0	0	0	0	...	0
1307	1308	28.0	8.0500	0	0	0	0	0	0	0	...	0
1308	1309	28.0	22.3583	0	1	0	0	0	0	0	...	0

1309 rows × 28 columns

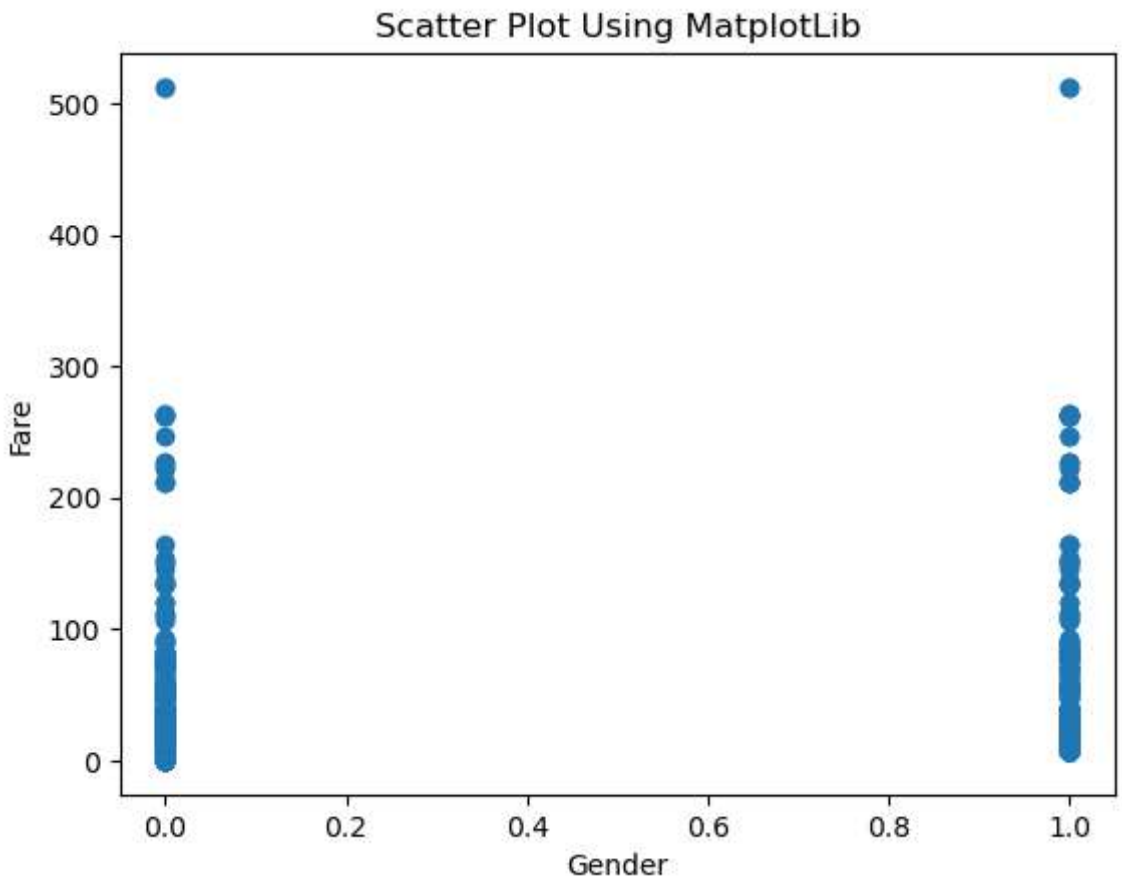
In [14]:
```
X=df['Sex']
Y=df['Fare']
```

In [15]:
```
data=[X,Y]
```

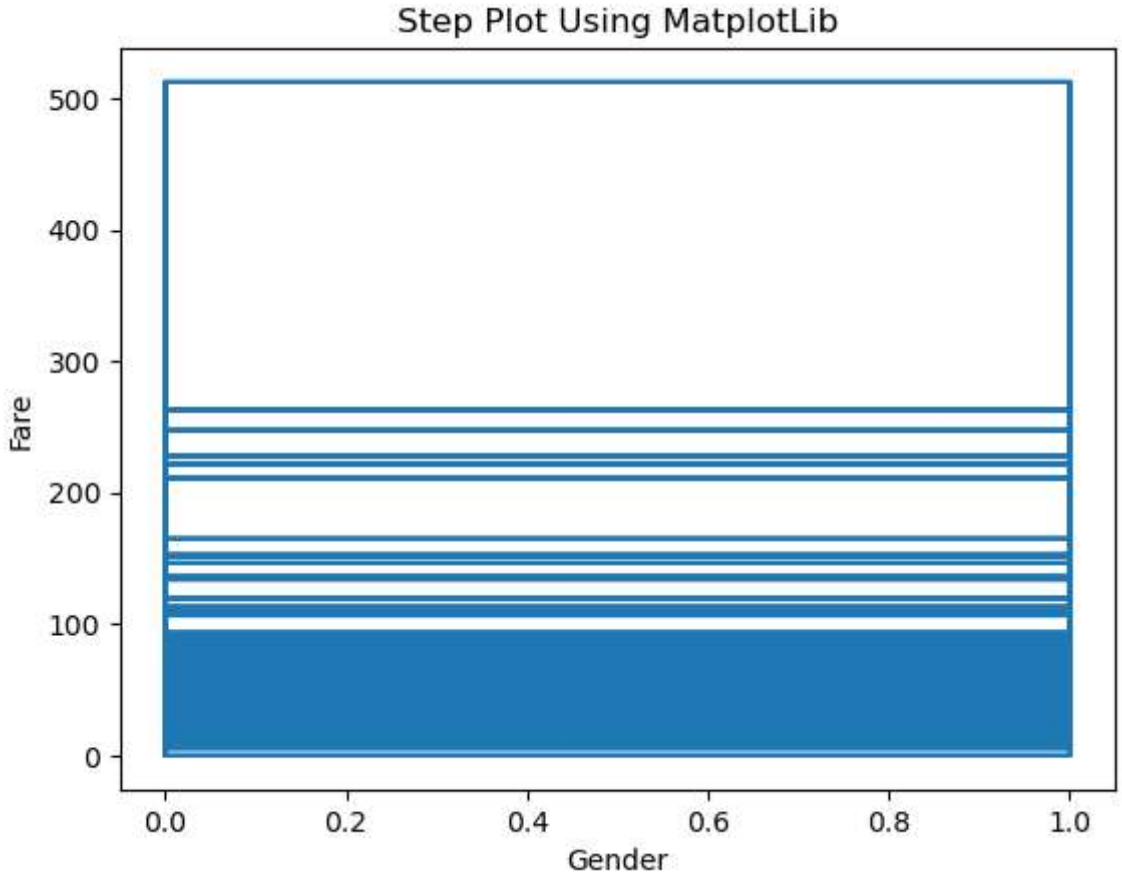
In [16]:
```
plt.stackplot(X,Y)
plt.title('Stack Plot Using MatplotLib')
plt.xlabel("Gender")
plt.ylabel("Fare")
plt.show()
```



In [17]:
```
plt.scatter(X,Y)
plt.title('Scatter Plot Using MatplotLib')
plt.xlabel("Gender")
plt.ylabel("Fare")
plt.show()
```



In [18]:
```
plt.step(X,Y)
plt.title('Step Plot Using MatplotLib')
plt.xlabel("Gender")
plt.ylabel("Fare")
plt.show()
```



In [26]:
```
df["Age"].astype("int")
```

Out[26]:
```
0       22
1       38
2       26
3       35
4       35
        ..
1304    28
1305    39
1306    38
1307    28
1308    28
Name: Age, Length: 1309, dtype: int32
```

In [ ]:
```

```