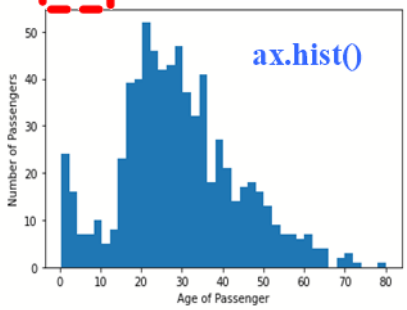
DataFrame

	Survived	Pclass	Sex	Age	Fare
0	0	3	male	22.0	7.2500
1	1	1	female	38.0	71.2833
2	1	3	female	26.0	7.9250
3	1	1	female	35.0	53.1000
4	0	3	male	35.0	8.0500
5	0	3	male	NaN	8.4583
6	0	1	r		
7	0	3	r		

ax.hist()

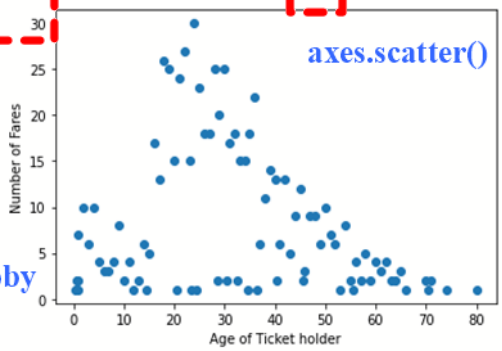


.groupby(['Age']).count()

Number of Records for:

Age	Survived	Pclass	Sex	Fare
20.0	15	15	15	15
20.5	1	1	1	1
21.0	24	24	24	24
22.0	27	27	27	27
23.0	15	15	15	15
23.5	1	1	1	1
24.0	30	30	30	30
24.5	1	1	1	1

axes.scatter()



.groupby(['Age']).mean()

Average Value of Records for:

Age	Survived	Pclass	Fare
20.0	0.200000	3.000000	8.624173
20.5	0.000000	3.000000	7.250000
21.0	0.208333	2.583333	31.565621
22.0	0.407407	2.555556	25.504781
23.0	0.333333	2.133333	37.994720
23.5	0.000000	3.000000	7.229200
24.0	0.500000	2.200000	43.035690
24.5	0.000000	3.000000	8.050000
25.0	0.260870	2.434783	24.415765

Now add another groupby column: 'Age' & 'Sex'

groupby(['Age','Sex']).count()

Number of Records for:

Age	Sex	Survived	Pclass	Fare
20.0	female	2	2	2
	male	13	13	13
20.5	male	1	1	1
21.0	female	7	7	7
	male	17	17	17
22.0	female	12	12	12
	male	15	15	15
23.0	female	5	5	5
	male	10	10	10

unstack()

same information but in column form for plotting

	Survived		Pclass		Fare	
Sex	female	male	female	male	female	male
Age						
20.0	2.0	13.0	2.0	13.0	2.0	13.0
20.5	NaN	1.0	NaN	1.0	NaN	1.0
21.0	7.0	17.0	7.0	17.0	7.0	17.0
22.0	12.0	15.0	12.0	15.0	12.0	15.0
23.0	5.0	10.0	5.0	10.0	5.0	10.0

.loc[:,'Fare'].loc[:,'female']
.loc[:,'Fare'].loc[:,'male']

axes.scatter()