The content of the	In [1]:	<pre>import pandas as pd df=pd.read_csv('train.csv') df.tail(2)</pre> Passengered Survived Polace Name Sex Age SibSp Parch Ticket Fare Cabin Embarked
The content of the	Out[1]:	
Part	In [2]:	target
Part	Out[2]:	1 1 2 1 3 1 4 0
The content of the co		886 0 887 1 888 0 889 1
Part	In [3]:	Name: Survived, Length: 891, dtype: int64 df.drop(['Survived'],axis=1,inplace=True)
The content of the	Out[3]:	0 1 3 Braund, Mr. Owen Harris male 22.0 1 0 A/5 21171 7.2500 NaN S
Part		2 3 3 Heikkinen, Miss. Laina female 26.0 0 0 STON/O2. 3101282 7.9250 NaN S 3 4 1 Futrelle, Mrs. Jacques Heath (Lily May Peel) female 35.0 1 0 113803 53.1000 C123 S
The content of the	In [4]:	<pre>df.drop(['PassengerId','Name','Ticket','Cabin','Embarked'],axis=1,inplace=True)</pre>
The content of the	Out[4]:	Pclass Sex Age SibSp Parch Fare
Part		2 3 female 26.0 0 0 7.9250 3 1 female 35.0 1 0 53.1000
Part	In [5]:	
Part	In [6]:	mmm=df['Sex']
Part	Out[6]:	<pre>female female female female female</pre>
Part		886 male 887 female 888 female
The content of the	In [7]:	890 male Name: Sex, Length: 891, dtype: object df.drop(['Sex'],axis=1,inplace=True)
The content of the	Out[7]:	Pclass Age SibSp Parch Fare
Part		2 3 26.0 0 0 7.9250
# 1		886 2 27.0 0 0 13.0000
Part		888 3 NaN 1 2 23.4500 889 1 26.0 0 0 30.0000
		891 rows × 5 columns
	<pre>In [8]: Out[8]:</pre>	sex array([1, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 1, 1,
		0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 0, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
		1, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
		1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 0, 1, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 1, 1, 0, 1, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
		1, 0, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 0, 1, 0, 1, 0, 0, 0, 0, 1,
Part		1, 1, 0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 0, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 0, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 0, 1, 1, 0,
Part		1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Martin		1, 1, 0, 1, 0, 1, 1, 0, 1, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
	In [9]:	sex=pd.DataFrame(sex)
Part	Out[9]:	0 1
Part		3 0
Part		886 1 887 0
		889 1
1	In [10]:	<pre>df=pd.concat([sex,df],axis=1)</pre>
	Out[10]:	0 Pclass Age SibSp Parch Fare
Maria 1		2 0 3 26.0 0 0 7.9250 3 0 1 35.0 1 0 53.1000
Mail		886 1 2 27.0 0 0 13.0000
		888 0 3 NaN 1 2 23.4500 889 1 1 26.0 0 0 30.0000
	In [11]:	<pre><class 'pandas.core.frame.dataframe'=""> RangeIndex: 891 entries, 0 to 890</class></pre>
		# Column Non-Null Count Dtype
Pass		4 Parch 891 non-null int64 5 Fare 891 non-null float64 dtypes: float64(2), int64(4)
Parameter Para	In [12]: Out[12]:	0 False
1		2 False 3 False 4 False 886 False
123 20.9691704705892		888 True 889 False 890 False
1511 Or Poles Age Self Age Self Port Face	In [13]: Out[13]:	m
	In [14]:	<pre>df['Age']=df.Age.fillna(m)</pre>
1	In [15]: Out[15]:	0 Pclass Age SibSp Parch Fare
4		1 0 1 38.000000 1 0 71.2833 2 0 3 26.000000 0 0 7.9250
88 0 1 1000000 0 0 0 300000 88 1 1 2600001 0 0 300000 88 1 1 2600000 0 0 0 300000 88 1 1 2600000 0 0 0 77500 88 1 rows × 6 columns 1 10 1		4 1 3 35.000000 0 0 8.0500
1891 rows × 6 columns Rows ×		887 0 1 19.000000 0 0 30.0000 888 0 3 29.699118 1 2 23.4500
Trim sktern.model_selection amport train_test_split(df, target, test_size=0.2) Trim sktern.model_selection.model_selection.model_selection. Trim sktern.model_selection.model_sel		890 1 3 32.000000 0 0 7.7500
[18]: len(X_train) [18]: len(X_train) [19]: len(X_test) [19]: len(X_test) [19]: from sklearn.neighbors import KNeighborsClassifier knn = KNeighborsClassifier(n_neighbors=8) [21]: knn.fit(X_train, y_train) [22]: knn.score(X_test, y_test) [22]: knn.score(X_test, y_test) [23]: knn.predict([[1,1,24,8,8,30]])	In [16]: In [17]:	
[19]: len(X_test) t[19]: 179 [20]: from sklearn.neighbors import KNeighborsClassifier knn = KNeighborsClassifier(n_neighbors=8) [21]: knn.fit(X_train, y_train) t[21]: KNeighborsClassifier(n_neighbors=8) [22]: knn.score(X_test, y_test) t[22]: 0.7597765363128491 [23]: knn.predict([[1,1,24,8,8,30]])	In [18]:	<pre>len(X_train)</pre>
from sklearn.neighbors import KNeighborsClassifier knn = KNeighborsClassifier(n_neighbors=8) [21]: knn.fit(X_train, y_train) tt[21]: KNeighborsClassifier(n_neighbors=8) [22]: knn.score(X_test, y_test) tt[22]: 0.7597765363128491 [23]: knn.predict([[1,1,24,0,0,30]])	Out[18]: In [19]:	
[21]: knn.fit(X_train, y_train) tt[21]: kNeighborsClassifier(n_neighbors=8) [22]: knn.score(X_test, y_test) tt[22]: 0.7597765363128491 [23]: knn.predict([[1,1,24,0,0,30]])	Out[19]: In [20]:	from sklearn.neighbors import KNeighborsClassifier
[22]: knn.score(X_test, y_test) ht[22]: 0.7597765363128491 [23]: knn.predict([[1,1,24,0,0,30]])	In [21]:	
[23]: knn.predict([[1,1,24,0,0,30]])	Out[21]: In [22]:	
	Out[22]: In [23]:	
	Out[23]:	