

DATA WRANGLING LAB REPORT 2

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Section: 02G

Question 1

1. Explain what is a missing value?

Missing value is a data point that cannot be stored for a certain variable or participant and can occur due to various reasons such as incomplete data entry, equipment malfunctions and lost files which will appear as blank cells in a spreadsheet.

2. Name several missing value detection methods that you know.

a. Visual Inspection

- can use plots or tables to check for missing values in your data and can be feasible for large datasets or complex patterns of missingness.

b. Summary Statistics

- can use descriptive statistics such as mean, median, standard deviation, or frequency to summarize your data and identify variables with missing values

c. Missing Value Indicators

- can create a binary variable that indicates whether a value is missing or not for each variable in your data

d. Correlation Analysis

- can use correlation coefficients or matrices to measure the linear association between variables in your data

3. What are the disadvantages of outliers?

The disadvantages of outliers are:

- can affect the results of statistical tests and models such as t-tests, ANOVA and linear regression by reducing their power and accuracy.
- can distort the mean and standard deviation of the data to make them less representative of central tendency and variability of the data.

- can obscure the true relationship between variables and mask the effect of other important factors.

Question 2

```
In [1]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.preprocessing import *
```

```
In [2]: pd.set_option('display.max_rows', 900)
df = pd.read_csv('titanic.csv')
df
```

Out[2]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
0	1	0	3	Braund, Mr. Owen Harris	male	22.00	1	0
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th... er)	female	38.00	1	0
2	3	1	3	Heikkinen, Miss. Laina	female	26.00	0	0
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.00	1	0
4	5	0	3	Allen, Mr. William Henry	male	35.00	0	0
5	6	0	3	Moran, Mr. James	male	NaN	0	0
6	7	0	1	McCarthy, Mr. Timothy J	male	54.00	0	0
7	8	0	3	Palsson, Master. Gosta Leonard	male	2.00	3	1
8	9	1	3	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)	female	27.00	0	2
9	10	1	2	Nasser, Mrs. Nicholas (Adele Achem)	female	14.00	1	0
10	11	1	3	Sandstrom, Miss. Marguerite Rut	female	4.00	1	1
11	12	1	1	Bonnell, Miss. Elizabeth	female	58.00	0	0
12	13	0	3	Saundercock, Mr. William Henry	male	20.00	0	0
13	14	0	3	Andersson, Mr. Anders Johan	male	39.00	1	5
14	15	0	3	Vestrom, Miss. Hulda Amanda Adolfina	female	14.00	0	0
15	16	1	2	Hewlett, Mrs. (Mary D Kingcome)	female	55.00	0	0
16	17	0	3	Rice, Master. Eugene	male	2.00	4	1

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
17	18	1	2	Williams, Mr. Charles Eugene	male	NaN	0	0	C.
18	19	0	3	Vander Planke, Mrs. Julius (Emelia Maria Vande...)	female	31.00	1	0	C.
19	20	1	3	Masselmani, Mrs. Fatima	female	NaN	0	0	C.
20	21	0	2	Fynney, Mr. Joseph J	male	35.00	0	0	C.
21	22	1	2	Beesley, Mr. Lawrence	male	34.00	0	0	C.
22	23	1	3	McGowan, Miss. Anna "Annie"	female	15.00	0	0	C.
23	24	1	1	Sloper, Mr. William Thompson	male	28.00	0	0	C.
24	25	0	3	Palsson, Miss. Torborg Danira	female	8.00	3	1	C.
25	26	1	3	Asplund, Mrs. Carl Oscar (Selma Augusta Emilia...)	female	38.00	1	5	C.
26	27	0	3	Emir, Mr. Farred Chehab	male	NaN	0	0	C.
27	28	0	1	Fortune, Mr. Charles Alexander	male	19.00	3	2	C.
28	29	1	3	O'Dwyer, Miss. Ellen "Nellie"	female	NaN	0	0	C.
29	30	0	3	Todoroff, Mr. Lallo	male	NaN	0	0	C.
30	31	0	1	Uruchurtu, Don. Manuel E	male	40.00	0	0	PC
31	32	1	1	Spencer, Mrs. William Augustus (Marie Eugenie)	female	NaN	1	0	PC
32	33	1	3	Glynn, Miss. Mary Agatha	female	NaN	0	0	C.
33	34	0	2	Wheadon, Mr. Edward H	male	66.00	0	0	C.A.
34	35	0	1	Meyer, Mr. Edgar Joseph	male	28.00	1	0	PC

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
35	36	0	1	Holverson, Mr. Alexander Oskar	male	42.00	1	0	C. 113311
36	37	1	3	Mamee, Mr. Hanna	male	NaN	0	0	C. 113312
37	38	0	3	Cann, Mr. Ernest Charles	male	21.00	0	0	A./H. 113313
38	39	0	3	Vander Planke, Miss. Augusta Maria	female	18.00	2	0	C. 113314
39	40	1	3	Nicola-Yarred, Miss. Jamila	female	14.00	1	0	C. 113315
40	41	0	3	Ahlin, Mrs. Johan (Johanna Persdotter Larsson)	female	40.00	1	0	C. 113316
41	42	0	2	Turpin, Mrs. William John Robert (Dorothy Ann ...)	female	27.00	1	0	C. 113317
42	43	0	3	Kraeff, Mr. Theodor	male	NaN	0	0	C. 113318
43	44	1	2	Laroche, Miss. Simonne Marie Anne Andree	female	3.00	1	2	S. 113319
44	45	1	3	Devaney, Miss. Margaret Delia	female	19.00	0	0	C. 113320
45	46	0	3	Rogers, Mr. William John	male	NaN	0	0	S. 113321
46	47	0	3	Lennon, Mr. Denis	male	NaN	1	0	C. 113322
47	48	1	3	O'Driscoll, Miss. Bridget	female	NaN	0	0	C. 113323
48	49	0	3	Samaan, Mr. Youssef	male	NaN	2	0	C. 113324
49	50	0	3	Arnold-Franchi, Mrs. Josef (Josefine Franchi)	female	18.00	1	0	C. 113325
50	51	0	3	Panula, Master. Juha Niilo	male	7.00	4	1	C. 113326
51	52	0	3	Nosworthy, Mr. Richard Cater	male	21.00	0	0	A/4. 113327
52	53	1	1	Harper, Mrs. Henry Sleeper	female	49.00	1	0	PC. 113328

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
(Myna Haxtun)							
53	54	1	Faunthorpe, Mrs. Lizzie (Elizabeth Anne Wilkin...)	female	29.00	1	0
54	55	0	Ostby, Mr. Engelhart Cornelius	male	65.00	0	1
55	56	1	Woolner, Mr. Hugh	male	Nan	0	0
56	57	1	Rugg, Miss. Emily	female	21.00	0	0
57	58	0	Novel, Mr. Mansouer	male	28.50	0	0
58	59	1	West, Miss. Constance Mirium	female	5.00	1	2
59	60	0	Goodwin, Master. William Frederick	male	11.00	5	2
60	61	0	Sirayanian, Mr. Orsen	male	22.00	0	0
61	62	1	Icard, Miss. Amelie	female	38.00	0	0
62	63	0	Harris, Mr. Henry Birkhardt	male	45.00	1	0
63	64	0	Skoog, Master. Harald	male	4.00	3	2
64	65	0	Stewart, Mr. Albert A	male	Nan	0	0
65	66	1	Moubarek, Master. Gerios	male	Nan	1	1
66	67	1	Nye, Mrs. (Elizabeth Ramell)	female	29.00	0	0
67	68	0	Crease, Mr. Ernest James	male	19.00	0	0
68	69	1	Andersson, Miss. Erna Alexandra	female	17.00	4	2
69	70	0	Kink, Mr. Vincenz	male	26.00	2	0
70	71	0	Jenkin, Mr. Stephen Curnow	male	32.00	0	0

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
71	72	0	3	Goodwin, Miss. Lillian Amy	female	16.00	5	2	C.
72	73	0	2	Hood, Mr. Ambrose Jr	male	21.00	0	0	S.O.C.
73	74	0	3	Chronopoulos, Mr. Apostolos	male	26.00	1	0	
74	75	1	3	Bing, Mr. Lee	male	32.00	0	0	
75	76	0	3	Moen, Mr. Sigurd Hansen	male	25.00	0	0	E
76	77	0	3	Staneff, Mr. Ivan	male	NaN	0	0	E
77	78	0	3	Moutal, Mr. Rahamin Haim	male	NaN	0	0	E
78	79	1	2	Caldwell, Master. Alden Gates	male	0.83	0	2	2
79	80	1	3	Dowdell, Miss. Elizabeth	female	30.00	0	0	E
80	81	0	3	Waelens, Mr. Achille	male	22.00	0	0	E
81	82	1	3	Sheerlinck, Mr. Jan Baptist	male	29.00	0	0	E
82	83	1	3	McDermott, Miss. Brigdet Delia	female	NaN	0	0	E
83	84	0	1	Carrau, Mr. Francisco M	male	28.00	0	0	.
84	85	1	2	Illett, Miss. Bertha	female	17.00	0	0	SO/C
85	86	1	3	Backstrom, Mrs. Karl Alfred (Maria Mathilda Gu...)	female	33.00	3	0	3
86	87	0	3	Ford, Mr. William Neal	male	16.00	1	3	W/C
87	88	0	3	Slocovski, Mr. Selman Francis	male	NaN	0	0	SOTC
88	89	1	1	Fortune, Miss. Mabel Helen	female	23.00	3	2	
89	90	0	3	Celotti, Mr. Francesco	male	24.00	0	0	E
90	91	0	3	Christmann, Mr. Emil	male	29.00	0	0	E

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
91	92	0	3	Andreasson, Mr. Paul Edvin	male	20.00	0	0	C.3
92	93	0	1	Chaffee, Mr. Herbert Fuller	male	46.00	1	0	W.E.F.
93	94	0	3	Dean, Mr. Bertram Frank	male	26.00	1	2	C.A.
94	95	0	3	Coxon, Mr. Daniel	male	59.00	0	0	C.3
95	96	0	3	Shorney, Mr. Charles Joseph	male	Nan	0	0	C.3
96	97	0	1	Goldschmidt, Mr. George B	male	71.00	0	0	PC
97	98	1	1	Greenfield, Mr. William Bertram	male	23.00	0	1	PC
98	99	1	2	Doling, Mrs. John T (Ada Julia Bone)	female	34.00	0	1	C.2
99	100	0	2	Kantor, Mr. Sinai	male	34.00	1	0	C.2
100	101	0	3	Petranec, Miss. Matilda	female	28.00	0	0	C.3
101	102	0	3	Petroff, Mr. Pastcho ("Pentcho")	male	Nan	0	0	C.3
102	103	0	1	White, Mr. Richard Frasar	male	21.00	0	1	
103	104	0	3	Johansson, Mr. Gustaf Joel	male	33.00	0	0	
104	105	0	3	Gustafsson, Mr. Anders Vilhelm	male	37.00	2	0	31
105	106	0	3	Mionoff, Mr. Stoytcho	male	28.00	0	0	C.3
106	107	1	3	Salkjelsvik, Miss. Anna Kristine	female	21.00	0	0	C.3
107	108	1	3	Moss, Mr. Albert Johan	male	Nan	0	0	C.3
108	109	0	3	Rekic, Mr. Tido	male	38.00	0	0	C.3
109	110	1	3	Moran, Miss. Bertha	female	Nan	1	0	C.3
110	111	0	1	Porter, Mr. Walter Chamberlain	male	47.00	0	0	C.1

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
111	112	0	3	Zabour, Miss. Hileni	female	14.50	1	0	
112	113	0	3	Barton, Mr. David John	male	22.00	0	0	
113	114	0	3	Jussila, Miss. Katriina	female	20.00	1	0	
114	115	0	3	Attalah, Miss. Malake	female	17.00	0	0	
115	116	0	3	Pekoniemi, Mr. Edvard	male	21.00	0	0	STO 3.
116	117	0	3	Connors, Mr. Patrick	male	70.50	0	0	
117	118	0	2	Turpin, Mr. William John Robert	male	29.00	1	0	
118	119	0	1	Baxter, Mr. Quigg Edmond	male	24.00	0	1	PC
119	120	0	3	Andersson, Miss. Ellis Anna Maria	female	2.00	4	2	
120	121	0	2	Hickman, Mr. Stanley George	male	21.00	2	0	S.O.C.
121	122	0	3	Moore, Mr. Leonard Charles	male	NaN	0	0	A4.
122	123	0	2	Nasser, Mr. Nicholas	male	32.50	1	0	
123	124	1	2	Webber, Miss. Susan	female	32.50	0	0	
124	125	0	1	White, Mr. Percival Wayland	male	54.00	0	1	
125	126	1	3	Nicola-Yarred, Master. Elias	male	12.00	1	0	
126	127	0	3	McMahon, Mr. Martin	male	NaN	0	0	
127	128	1	3	Madsen, Mr. Fridtjof Arne	male	24.00	0	0	C
128	129	1	3	Peter, Miss. Anna	female	NaN	1	1	
129	130	0	3	Ekstrom, Mr. Johan	male	45.00	0	0	
130	131	0	3	Drazenovic, Mr. Jozef	male	33.00	0	0	

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
131	132	0	3	Coelho, Mr. Domingos Fernando	male	20.00	0	0	SOTO 3.
132	133	0	3	Robins, Mrs. Alexander A (Grace Charity Laury)	female	47.00	1	0	A/
133	134	1	2	Weisz, Mrs. Leopold (Mathilde Francoise Pede)	female	29.00	1	0	2
134	135	0	2	Sobey, Mr. Samuel James Hayden	male	25.00	0	0	C.A.
135	136	0	2	Richard, Mr. Emile	male	23.00	0	0	SC
136	137	1	1	Newsom, Miss. Helen Monypeny	female	19.00	0	2	
137	138	0	1	Futrelle, Mr. Jacques Heath	male	37.00	1	0	
138	139	0	3	Osen, Mr. Olaf Elon	male	16.00	0	0	
139	140	0	1	Giglio, Mr. Victor	male	24.00	0	0	PC
140	141	0	3	Boulos, Mrs. Joseph (Sultana)	female	Nan	0	2	
141	142	1	3	Nysten, Miss. Anna Sofia	female	22.00	0	0	3
142	143	1	3	Hakkarainen, Mrs. Pekka Pietari (Elin Matilda ...)	female	24.00	1	0	STC 3.
143	144	0	3	Burke, Mr. Jeremiah	male	19.00	0	0	3
144	145	0	2	Andrew, Mr. Edgardo Samuel	male	18.00	0	0	2
145	146	0	2	Nicholls, Mr. Joseph Charles	male	19.00	1	1	C.A.
146	147	1	3	Andersson, Mr. August Edvard ("Wennerstrom")	male	27.00	0	0	3
147	148	0	3	Ford, Miss. Robina Maggie "Ruby"	female	9.00	2	2	W./C

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
148	149	0	2	Navratil, Mr. Michel ("Louis M Hoffman")	male	36.50	0	2	2
149	150	0	2	Byles, Rev. Thomas Roussel Davids	male	42.00	0	0	2
150	151	0	2	Bateman, Rev. Robert James	male	51.00	0	0	S.O.I.
151	152	1	1	Pears, Mrs. Thomas (Edith Wearne)	female	22.00	1	0	.
152	153	0	3	Meo, Mr. Alfonzo	male	55.50	0	0	A.5.
153	154	0	3	van Billiard, Mr. Austin Blyler	male	40.50	0	2	A.
154	155	0	3	Olsen, Mr. Ole Martin	male	NaN	0	0	Fa 2
155	156	0	1	Williams, Mr. Charles Duane	male	51.00	0	1	PC
156	157	1	3	Gilnagh, Miss. Katherine "Katie"	female	16.00	0	0	
157	158	0	3	Corn, Mr. Harry	male	30.00	0	0	SOTC
158	159	0	3	Smiljanic, Mr. Mile	male	NaN	0	0	3
159	160	0	3	Sage, Master. Thomas Henry	male	NaN	8	2	C.A.
160	161	0	3	Cribb, Mr. John Hatfield	male	44.00	0	1	3
161	162	1	2	Watt, Mrs. James (Elizabeth "Bessie" Inglis Mi...)	female	40.00	0	0	C.A.
162	163	0	3	Bengtsson, Mr. John Viktor	male	26.00	0	0	3
163	164	0	3	Calic, Mr. Jovo	male	17.00	0	0	3
164	165	0	3	Panula, Master. Eino Viljami	male	1.00	4	1	3
165	166	1	3	Goldsmith, Master. Frank John William "Frankie"	male	9.00	0	2	3

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
166	167	1	1	Chibnall, Mrs. (Edith Martha Bowerman)	female	NaN	0	1	.
167	168	0	3	Skoog, Mrs. William (Anna Bernhardina Karlsson)	female	45.00	1	4	E
168	169	0	1	Baumann, Mr. John D	male	NaN	0	0	PC
169	170	0	3	Ling, Mr. Lee	male	28.00	0	0	.
170	171	0	1	Van der hoef, Mr. Wyckoff	male	61.00	0	0	.
171	172	0	3	Rice, Master. Arthur	male	4.00	4	1	E
172	173	1	3	Johnson, Miss. Eleanor Ileen	female	1.00	1	1	E
173	174	0	3	Sivola, Mr. Antti Wilhelm	male	21.00	0	0	STO 3
174	175	0	1	Smith, Mr. James Clinch	male	56.00	0	0	.
175	176	0	3	Klasen, Mr. Klas Albin	male	18.00	1	1	E
176	177	0	3	Lefebre, Master. Henry Forbes	male	NaN	3	1	.
177	178	0	1	Isham, Miss. Ann Elizabeth	female	50.00	0	0	PC
178	179	0	2	Hale, Mr. Reginald	male	30.00	0	0	2
179	180	0	3	Leonard, Mr. Lionel	male	36.00	0	0	.
180	181	0	3	Sage, Miss. Constance Gladys	female	NaN	8	2	CA
181	182	0	2	Pernot, Mr. Rene	male	NaN	0	0	SC
182	183	0	3	Asplund, Master. Clarence Gustaf Hugo	male	9.00	4	2	E
183	184	1	2	Becker, Master. Richard F	male	1.00	2	1	2
184	185	1	3	Kink-Heilmann, Miss. Luise Gretchen	female	4.00	0	2	E

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
185	186	0	1	Rood, Mr. Hugh Roscoe	male	NaN	0	0	C
186	187	1	3	O'Brien, Mrs. Thomas (Johanna "Hannah" Godfrey)	female	NaN	1	0	C
187	188	1	1	Romaine, Mr. Charles Hallace ("Mr C Rolmane")	male	45.00	0	0	C
188	189	0	3	Bourke, Mr. John	male	40.00	1	1	C
189	190	0	3	Turcin, Mr. Stjepan	male	36.00	0	0	C
190	191	1	2	Pinsky, Mrs. (Rosa)	female	32.00	0	0	C
191	192	0	2	Carbines, Mr. William	male	19.00	0	0	C
192	193	1	3	Andersen-Jensen, Miss. Carla Christine Nielsine	female	19.00	1	0	C
193	194	1	2	Navratil, Master. Michel M	male	3.00	1	1	C
194	195	1	1	Brown, Mrs. James Joseph (Margaret Tobin)	female	44.00	0	0	PC
195	196	1	1	Lurette, Miss. Elise	female	58.00	0	0	PC
196	197	0	3	Mernagh, Mr. Robert	male	NaN	0	0	C
197	198	0	3	Olsen, Mr. Karl Siegwart Andreas	male	42.00	0	1	C
198	199	1	3	Madigan, Miss. Margaret "Maggie"	female	NaN	0	0	C
199	200	0	2	Yrois, Miss. Henriette ("Mrs Harbeck")	female	24.00	0	0	C
200	201	0	3	Vande Walle, Mr. Nestor Cyriel	male	28.00	0	0	C

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
201	202	0	3	Sage, Mr. Frederick	male	NaN	8	2	C/
202	203	0	3	Johanson, Mr. Jakob Alfred	male	34.00	0	0	3
203	204	0	3	Youseff, Mr. Gerious	male	45.50	0	0	
204	205	1	3	Cohen, Mr. Gurshon "Gus"	male	18.00	0	0	A/
205	206	0	3	Strom, Miss. Telma Matilda	female	2.00	0	1	3
206	207	0	3	Backstrom, Mr. Karl Alfred	male	32.00	1	0	3
207	208	1	3	Albimona, Mr. Nassef Cassem	male	26.00	0	0	
208	209	1	3	Carr, Miss. Helen "Ellen"	female	16.00	0	0	3
209	210	1	1	Blank, Mr. Henry	male	40.00	0	0	
210	211	0	3	Ali, Mr. Ahmed	male	24.00	0	0	SOTO 3
211	212	1	2	Cameron, Miss. Clear Annie	female	35.00	0	0	F.C.C.
212	213	0	3	Perkin, Mr. John Henry	male	22.00	0	0	A/5
213	214	0	2	Givard, Mr. Hans Kristensen	male	30.00	0	0	2
214	215	0	3	Kiernan, Mr. Philip	male	NaN	1	0	3
215	216	1	1	Newell, Miss. Madeleine	female	31.00	1	0	
216	217	1	3	Honkanen, Miss. Eliina	female	27.00	0	0	STC 3
217	218	0	2	Jacobsohn, Mr. Sidney Samuel	male	42.00	1	0	2
218	219	1	1	Bazzani, Miss. Albina	female	32.00	0	0	
219	220	0	2	Harris, Mr. Walter	male	30.00	0	0	W/C
220	221	1	3	Sunderland, Mr. Victor Francis	male	16.00	0	0	SOTC 3
221	222	0	2	Bracken, Mr. James H	male	27.00	0	0	2

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
222	223	0	3	Green, Mr. George Henry	male	51.00	0	0
223	224	0	3	Nenkoff, Mr. Christo	male	NaN	0	0
224	225	1	1	Hoyt, Mr. Frederick Maxfield	male	38.00	1	0
225	226	0	3	Berglund, Mr. Karl Ivar Sven	male	22.00	0	0
226	227	1	2	Mellors, Mr. William John	male	19.00	0	0
227	228	0	3	Lovell, Mr. John Hall ("Henry")	male	20.50	0	0
228	229	0	2	Fahlstrom, Mr. Arne Jonas	male	18.00	0	0
229	230	0	3	Lefebre, Miss. Mathilde	female	NaN	3	1
230	231	1	1	Harris, Mrs. Henry Birkhardt (Irene Wallach)	female	35.00	1	0
231	232	0	3	Larsson, Mr. Bengt Edvin	male	29.00	0	0
232	233	0	2	Sjostedt, Mr. Ernst Adolf	male	59.00	0	0
233	234	1	3	Asplund, Miss. Lillian Gertrud	female	5.00	4	2
234	235	0	2	Leyson, Mr. Robert William Norman	male	24.00	0	0
235	236	0	3	Harknett, Miss. Alice Phoebe	female	NaN	0	0
236	237	0	2	Hold, Mr. Stephen	male	44.00	1	0
237	238	1	2	Collyer, Miss. Marjorie "Lottie"	female	8.00	0	2
238	239	0	2	Pengelly, Mr. Frederick William	male	19.00	0	0
239	240	0	2	Hunt, Mr. George Henry	male	33.00	0	0
240	241	0	3	Zabour, Miss. Thamine	female	NaN	1	0

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
241	242	1	3	Murphy, Miss. Katherine "Kate"	female	NaN	1	0	C
242	243	0	2	Coleridge, Mr. Reginald Charles	male	29.00	0	0	W.C.
243	244	0	3	Maenpaa, Mr. Matti Alexanteri	male	22.00	0	0	STO 3
244	245	0	3	Attalah, Mr. Sleiman	male	30.00	0	0	
245	246	0	1	Minahan, Dr. William Edward	male	44.00	2	0	
246	247	0	3	Lindahl, Miss. Agda Thorilda Viktoria	female	25.00	0	0	C
247	248	1	2	Hamalainen, Mrs. William (Anna)	female	24.00	0	2	C
248	249	1	1	Beckwith, Mr. Richard Leonard	male	37.00	1	1	
249	250	0	2	Carter, Rev. Ernest Courtenay	male	54.00	1	0	C
250	251	0	3	Reed, Mr. James George	male	NaN	0	0	C
251	252	0	3	Strom, Mrs. Wilhelm (Elna Matilda Persson)	female	29.00	1	1	C
252	253	0	1	Stead, Mr. William Thomas	male	62.00	0	0	
253	254	0	3	Lobb, Mr. William Arthur	male	30.00	1	0	A/
254	255	0	3	Rosblom, Mrs. Viktor (Helena Wilhelmina)	female	41.00	0	2	C
255	256	1	3	Touma, Mrs. Darwis (Hanne Youssef Razi)	female	29.00	0	2	
256	257	1	1	Thorne, Mrs. Gertrude Maybelle	female	NaN	0	0	PC
257	258	1	1	Cherry, Miss. Gladys	female	30.00	0	0	
258	259	1	1	Ward, Miss. Anna	female	35.00	0	0	PC

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
259	260	1	2	Parrish, Mrs. (Lutie Davis)	female	50.00	0	1	2
260	261	0	3	Smith, Mr. Thomas	male	NaN	0	0	3
261	262	1	3	Asplund, Master. Edvin Rojj Felix	male	3.00	4	2	3
262	263	0	1	Taussig, Mr. Emil	male	52.00	1	1	-
263	264	0	1	Harrison, Mr. William	male	40.00	0	0	-
264	265	0	3	Henry, Miss. Delia	female	NaN	0	0	3
265	266	0	2	Reeves, Mr. David	male	36.00	0	0	C.A.
266	267	0	3	Panula, Mr. Ernesti Arvid	male	16.00	4	1	3
267	268	1	3	Persson, Mr. Ernst Ulrik	male	25.00	1	0	3
268	269	1	1	Graham, Mrs. William Thompson (Edith Junkins)	female	58.00	0	1	PC
269	270	1	1	Bissette, Miss. Amelia	female	35.00	0	0	PC
270	271	0	1	Cairns, Mr. Alexander	male	NaN	0	0	-
271	272	1	3	Tornquist, Mr. William Henry	male	25.00	0	0	-
272	273	1	2	Mellinger, Mrs. (Elizabeth Anne Maidment)	female	41.00	0	1	2
273	274	0	1	Natsch, Mr. Charles H	male	37.00	0	1	PC
274	275	1	3	Healy, Miss. Hanora "Nora"	female	NaN	0	0	3
275	276	1	1	Andrews, Miss. Kornelia Theodosia	female	63.00	1	0	-
276	277	0	3	Lindblom, Miss. Augusta Charlotta	female	45.00	0	0	3
277	278	0	2	Parkes, Mr. Francis "Frank"	male	NaN	0	0	2

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
278	279	0	3	Rice, Master. Eric	male	7.00	4	1	3
279	280	1	3	Abbott, Mrs. Stanton (Rosa Hunt)	female	35.00	1	1	C.A.
280	281	0	3	Duane, Mr. Frank	male	65.00	0	0	3
281	282	0	3	Olsson, Mr. Nils Johan Goransson	male	28.00	0	0	3
282	283	0	3	de Pelsmaeker, Mr. Alfons	male	16.00	0	0	3
283	284	1	3	Dorking, Mr. Edward Arthur	male	19.00	0	0	A/5.
284	285	0	1	Smith, Mr. Richard William	male	NaN	0	0	.
285	286	0	3	Stankovic, Mr. Ivan	male	33.00	0	0	3
286	287	1	3	de Mulder, Mr. Theodore	male	30.00	0	0	3
287	288	0	3	Naidenoff, Mr. Penko	male	22.00	0	0	3
288	289	1	2	Hosono, Mr. Masabumi	male	42.00	0	0	2
289	290	1	3	Connolly, Miss. Kate	female	22.00	0	0	3
290	291	1	1	Barber, Miss. Ellen "Nellie"	female	26.00	0	0	.
291	292	1	1	Bishop, Mrs. Dickinson H (Helen Walton)	female	19.00	1	0	.
292	293	0	2	Levy, Mr. Rene Jacques	male	36.00	0	0	S
293	294	0	3	Haas, Miss. Aloisia	female	24.00	0	0	3
294	295	0	3	Mineff, Mr. Ivan	male	24.00	0	0	3
295	296	0	1	Lewy, Mr. Ervin G	male	NaN	0	0	PC
296	297	0	3	Hanna, Mr. Mansour	male	23.50	0	0	.
297	298	0	1	Allison, Miss. Helen Loraine	female	2.00	1	2	.

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
298	299	1	1	Saalfeld, Mr. Adolphe	male	NaN	0	0
299	300	1	1	Baxter, Mrs. James (Helene DeLaudeniere Chaput)	female	50.00	0	1 PC
300	301	1	3	Kelly, Miss. Anna Katherine "Annie Kate"	female	NaN	0	0
301	302	1	3	McCoy, Mr. Bernard	male	NaN	2	0
302	303	0	3	Johnson, Mr. William Cahoone Jr	male	19.00	0	0
303	304	1	2	Keane, Miss. Nora A	female	NaN	0	0
304	305	0	3	Williams, Mr. Howard Hugh "Harry"	male	NaN	0	0 A/
305	306	1	1	Allison, Master. Hudson Trevor	male	0.92	1	2
306	307	1	1	Fleming, Miss. Margaret	female	NaN	0	0
307	308	1	1	Penasco y Castellana, Mrs. Victor de Satode (M...)	female	17.00	1	0 PC
308	309	0	2	Abelson, Mr. Samuel	male	30.00	1	0 P/P
309	310	1	1	Francatelli, Miss. Laura Mabel	female	30.00	0	0 PC
310	311	1	1	Hays, Miss. Margaret Bechstein	female	24.00	0	0
311	312	1	1	Ryerson, Miss. Emily Borie	female	18.00	2	2 PC
312	313	0	2	Lahtinen, Mrs. William (Anna Sylfven)	female	26.00	1	1
313	314	0	3	Hendekovic, Mr. Ignjac	male	28.00	0	0
314	315	0	2	Hart, Mr. Benjamin	male	43.00	1	1 F.C.C.

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
315	316	1	3	Nilsson, Miss. Helmina Josefina	female	26.00	0	0	·
316	317	1	2	Kantor, Mrs. Sinai (Miriam Sternin)	female	24.00	1	0	2
317	318	0	2	Moraweck, Dr. Ernest	male	54.00	0	0	·
318	319	1	1	Wick, Miss. Mary Natalie	female	31.00	0	2	·
319	320	1	1	Spedden, Mrs. Frederic Oakley (Margareta Corn...)	female	40.00	1	1	·
320	321	0	3	Dennis, Mr. Samuel	male	22.00	0	0	A/5
321	322	0	3	Danoff, Mr. Yoto	male	27.00	0	0	·
322	323	1	2	Slayter, Miss. Hilda Mary	female	30.00	0	0	2
323	324	1	2	Caldwell, Mrs. Albert Francis (Sylvia Mae Harb...)	female	22.00	1	1	2
324	325	0	3	Sage, Mr. George John Jr	male	NaN	8	2	CA
325	326	1	1	Young, Miss. Marie Grice	female	36.00	0	0	PC
326	327	0	3	Nysveen, Mr. Johan Hansen	male	61.00	0	0	·
327	328	1	2	Ball, Mrs. (Ada E Hall)	female	36.00	0	0	·
328	329	1	3	Goldsmith, Mrs. Frank John (Emily Alice Brown)	female	31.00	1	1	·
329	330	1	1	Hippach, Miss. Jean Gertrude	female	16.00	0	1	·
330	331	1	3	McCoy, Miss. Agnes	female	NaN	2	0	·
331	332	0	1	Partner, Mr. Austen	male	45.50	0	0	·
332	333	0	1	Graham, Mr. George Edward	male	38.00	0	1	PC

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
333	334	0	3	Vander Planke, Mr. Leo Edmondus	male	16.00	2	0	E..
334	335	1	1	Frauenthal, Mrs. Henry William (Clara Heinshei...)	female	Nan	1	0	PC
335	336	0	3	Denkoff, Mr. Mitto	male	Nan	0	0	E..
336	337	0	1	Pears, Mr. Thomas Clinton	male	29.00	1	0	.
337	338	1	1	Burns, Miss. Elizabeth Margaret	female	41.00	0	0	.
338	339	1	3	Dahl, Mr. Karl Edwardt	male	45.00	0	0	.
339	340	0	1	Blackwell, Mr. Stephen Weart	male	45.00	0	0	.
340	341	1	2	Navratil, Master. Edmond Roger	male	2.00	1	1	Z..
341	342	1	1	Fortune, Miss. Alice Elizabeth	female	24.00	3	2	.
342	343	0	2	Collander, Mr. Erik Gustaf	male	28.00	0	0	Z..
343	344	0	2	Sedgwick, Mr. Charles Frederick Waddington	male	25.00	0	0	Z..
344	345	0	2	Fox, Mr. Stanley Hubert	male	36.00	0	0	Z..
345	346	1	2	Brown, Miss. Amelia "Mildred"	female	24.00	0	0	Z..
346	347	1	2	Smith, Miss. Marion Elsie	female	40.00	0	0	.
347	348	1	3	Davison, Mrs. Thomas Henry (Mary E Finck)	female	Nan	1	0	E..
348	349	1	3	Coutts, Master. William Loch "William"	male	3.00	1	1	C.A.
349	350	0	3	Dimic, Mr. Jovan	male	42.00	0	0	E..
350	351	0	3	Odahl, Mr. Nils Martin	male	23.00	0	0	.

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
351	352	0	1	Williams-Lambert, Mr. Fletcher Fellows	male	NaN	0	0	
352	353	0	3	Elias, Mr. Tannous	male	15.00	1	1	
353	354	0	3	Arnold-Franchi, Mr. Josef	male	25.00	1	0	
354	355	0	3	Yousif, Mr. Wazli	male	NaN	0	0	
355	356	0	3	Vanden Steen, Mr. Leo Peter	male	28.00	0	0	
356	357	1	1	Bowerman, Miss. Elsie Edith	female	22.00	0	1	
357	358	0	2	Funk, Miss. Annie Clemmer	female	38.00	0	0	
358	359	1	3	McGovern, Miss. Mary	female	NaN	0	0	
359	360	1	3	Mockler, Miss. Helen Mary "Ellie"	female	NaN	0	0	
360	361	0	3	Skoog, Mr. Wilhelm	male	40.00	1	4	
361	362	0	2	del Carlo, Mr. Sebastiano	male	29.00	1	0	SC
362	363	0	3	Barbara, Mrs. (Catherine David)	female	45.00	0	1	
363	364	0	3	Asim, Mr. Adola	male	35.00	0	0	SOTO 3.
364	365	0	3	O'Brien, Mr. Thomas	male	NaN	1	0	
365	366	0	3	Adahl, Mr. Mauritz Nils Martin	male	30.00	0	0	
366	367	1	1	Warren, Mrs. Frank Manley (Anna Sophia Atkinson)	female	60.00	1	0	
367	368	1	3	Moussa, Mrs. (Mantoura Boulos)	female	NaN	0	0	
368	369	1	3	Jermyn, Miss. Annie	female	NaN	0	0	
369	370	1	1	Aubart, Mme. Leontine Pauline	female	24.00	0	0	PC

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
370	371	1	1	Harder, Mr. George Achilles	male	25.00	1	0
371	372	0	3	Wiklund, Mr. Jakob Alfred	male	18.00	1	0
372	373	0	3	Beavan, Mr. William Thomas	male	19.00	0	0
373	374	0	1	Ringhini, Mr. Sante	male	22.00	0	0
374	375	0	3	Palsson, Miss. Stina Viola	female	3.00	3	1
375	376	1	1	Meyer, Mrs. Edgar Joseph (Leila Saks)	female	NaN	1	0
376	377	1	3	Landergren, Miss. Aurora Adelia	female	22.00	0	0
377	378	0	1	Widener, Mr. Harry Elkins	male	27.00	0	2
378	379	0	3	Betros, Mr. Tannous	male	20.00	0	0
379	380	0	3	Gustafsson, Mr. Karl Gideon	male	19.00	0	0
380	381	1	1	Bidois, Miss. Rosalie	female	42.00	0	0
381	382	1	3	Nakid, Miss. Maria ("Mary")	female	1.00	0	2
382	383	0	3	Tikkanen, Mr. Juho	male	32.00	0	0
383	384	1	1	Holverson, Mrs. Alexander Oskar (Mary Aline To...)	female	35.00	1	0
384	385	0	3	Plotcharsky, Mr. Vasil	male	NaN	0	0
385	386	0	2	Davies, Mr. Charles Henry	male	18.00	0	0
386	387	0	3	Goodwin, Master. Sidney Leonard	male	1.00	5	2
387	388	1	2	Buss, Miss. Kate	female	36.00	0	0
388	389	0	3	Sadlier, Mr. Matthew	male	NaN	0	0
389	390	1	2	Lehmann, Miss. Bertha	female	17.00	0	0

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
390	391	1	1	Carter, Mr. William Ernest	male	36.00	1	2	
391	392	1	3	Jansson, Mr. Carl Olof	male	21.00	0	0	3
392	393	0	3	Gustafsson, Mr. Johan Birger	male	28.00	2	0	3
393	394	1	1	Newell, Miss. Marjorie	female	23.00	1	0	
394	395	1	3	Sandstrom, Mrs. Hjalmar (Agnes Charlotta Bengt...)	female	24.00	0	2	P
395	396	0	3	Johansson, Mr. Erik	male	22.00	0	0	3
396	397	0	3	Olsson, Miss. Elina	female	31.00	0	0	3
397	398	0	2	McKane, Mr. Peter David	male	46.00	0	0	
398	399	0	2	Pain, Dr. Alfred	male	23.00	0	0	2
399	400	1	2	Trout, Mrs. William H (Jessie L.)	female	28.00	0	0	2
400	401	1	3	Niskanen, Mr. Juha	male	39.00	0	0	STO 3
401	402	0	3	Adams, Mr. John	male	26.00	0	0	3
402	403	0	3	Jussila, Miss. Mari Aina	female	21.00	1	0	
403	404	0	3	Hakkarainen, Mr. Pekka Pietari	male	28.00	1	0	STO 3
404	405	0	3	Oreskovic, Miss. Marija	female	20.00	0	0	3
405	406	0	2	Gale, Mr. Shadrach	male	34.00	1	0	
406	407	0	3	Widegren, Mr. Carl/Charles Peter	male	51.00	0	0	3
407	408	1	2	Richards, Master. William Rowe	male	3.00	1	1	
408	409	0	3	Birkeland, Mr. Hans Martin Monsen	male	21.00	0	0	3

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
409	410	0	3	Lefebre, Miss. Ida	female	NaN	3	1	
410	411	0	3	Sdycoff, Mr. Todor	male	NaN	0	0	
411	412	0	3	Hart, Mr. Henry	male	NaN	0	0	
412	413	1	1	Minahan, Miss. Daisy E	female	33.00	1	0	
413	414	0	2	Cunningham, Mr. Alfred Fleming	male	NaN	0	0	
414	415	1	3	Sundman, Mr. Johan Julian	male	44.00	0	0	STO 3.
415	416	0	3	Meek, Mrs. Thomas (Annie Louise Rowley)	female	NaN	0	0	
416	417	1	2	Drew, Mrs. James Vivian (Lulu Thorne Christian)	female	34.00	1	1	
417	418	1	2	Silven, Miss. Lyyli Karoliina	female	18.00	0	2	
418	419	0	2	Matthews, Mr. William John	male	30.00	0	0	
419	420	0	3	Van Impe, Miss. Catharina	female	10.00	0	2	
420	421	0	3	Gheorgheff, Mr. Stanio	male	NaN	0	0	
421	422	0	3	Charters, Mr. David	male	21.00	0	0	A/5.
422	423	0	3	Zimmerman, Mr. Leo	male	29.00	0	0	
423	424	0	3	Danbom, Mrs. Ernst Gilbert (Anna Sigrid Maria ...)	female	28.00	1	1	
424	425	0	3	Rosblom, Mr. Viktor Richard	male	18.00	1	1	
425	426	0	3	Wiseman, Mr. Phillippe	male	NaN	0	0	A/4.
426	427	1	2	Clarke, Mrs. Charles V (Ada Maria Winfield)	female	28.00	1	0	
427	428	1	2	Phillips, Miss. Kate Florence	female	19.00	0	0	

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch				
				("Mrs Kate Louis...")								
428	429	0	3	Flynn, Mr. James	male	NaN	0	0				
429	430	1	3	Pickard, Mr. Berk (Berk Trembisky)								
430	431	1	1	Bjornstrom-Steffansson, Mr. Mauritz Hakan	male	28.00	0	0				
431	432	1	3	Thorneycroft, Mrs. Percival (Florence Kate White)								
432	433	1	2	Louch, Mrs. Charles Alexander (Alice Adelaide ...)	female	42.00	1	0	SC/AI			
433	434	0	3	Kallio, Mr. Nikolai Erland	male	17.00	0	0	STO 3			
434	435	0	1	Silvey, Mr. William Baird	male	50.00	1	0				
435	436	1	1	Carter, Miss. Lucile Polk	female	14.00	1	2				
436	437	0	3	Ford, Miss. Doolina Margaret "Daisy"	female	21.00	2	2	W./C			
437	438	1	2	Richards, Mrs. Sidney (Emily Hocking)	female	24.00	2	3				
438	439	0	1	Fortune, Mr. Mark	male	64.00	1	4				
439	440	0	2	Kvillner, Mr. Johan Henrik Johannesson	male	31.00	0	0	C.A.			
440	441	1	2	Hart, Mrs. Benjamin (Esther Ada Bloomfield)	female	45.00	1	1	F.C.C.			
441	442	0	3	Hampe, Mr. Leon	male	20.00	0	0				
442	443	0	3	Petterson, Mr. Johan Emil	male	25.00	1	0				
443	444	1	2	Reynaldo, Ms. Encarnacion	female	28.00	0	0				

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
444	445	1	3	Johannesen-Bratthammer, Mr. Bernt	male	NaN	0	0
445	446	1	1	Dodge, Master. Washington	male	4.00	0	2
446	447	1	2	Mellinger, Miss. Madeleine Violet	female	13.00	0	1
447	448	1	1	Seward, Mr. Frederic Kimber	male	34.00	0	0
448	449	1	3	Baclini, Miss. Marie Catherine	female	5.00	2	1
449	450	1	1	Peuchen, Major. Arthur Godfrey	male	52.00	0	0
450	451	0	2	West, Mr. Edwy Arthur	male	36.00	1	2
451	452	0	3	Hagland, Mr. Ingvald Olai Olsen	male	NaN	1	0
452	453	0	1	Foreman, Mr. Benjamin Laventall	male	30.00	0	0
453	454	1	1	Goldenberg, Mr. Samuel L	male	49.00	1	0
454	455	0	3	Peduzzi, Mr. Joseph	male	NaN	0	0
455	456	1	3	Jalsevac, Mr. Ivan	male	29.00	0	0
456	457	0	1	Millet, Mr. Francis Davis	male	65.00	0	0
457	458	1	1	Kenyon, Mrs. Frederick R (Marion)	female	NaN	1	0
458	459	1	2	Toomey, Miss. Ellen	female	50.00	0	0
459	460	0	3	O'Connor, Mr. Maurice	male	NaN	0	0
460	461	1	1	Anderson, Mr. Harry	male	48.00	0	0
461	462	0	3	Morley, Mr. William	male	34.00	0	0
462	463	0	1	Gee, Mr. Arthur H	male	47.00	0	0

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
463	464	0	2	Milling, Mr. Jacob Christian	male	48.00	0	0	2
464	465	0	3	Maisner, Mr. Simon	male	NaN	0	0	A/
465	466	0	3	Goncalves, Mr. Manuel Estanslas	male	38.00	0	0	SOTO 3.
466	467	0	2	Campbell, Mr. William	male	NaN	0	0	2
467	468	0	1	Smart, Mr. John Montgomery	male	56.00	0	0	.
468	469	0	3	Scanlan, Mr. James	male	NaN	0	0	.
469	470	1	3	Baclini, Miss. Helene Barbara	female	0.75	2	1	.
470	471	0	3	Keefe, Mr. Arthur	male	NaN	0	0	3
471	472	0	3	Cacic, Mr. Luka	male	38.00	0	0	3
472	473	1	2	West, Mrs. Edwy Arthur (Ada Mary Worth)	female	33.00	1	2	C.A.
473	474	1	2	Jerwan, Mrs. Amin S (Marie Marthe Thuillard)	female	23.00	0	0	SC/Af
474	475	0	3	Strandberg, Miss. Ida Sofia	female	22.00	0	0	.
475	476	0	1	Clifford, Mr. George Quincy	male	NaN	0	0	.
476	477	0	2	Renouf, Mr. Peter Henry	male	34.00	1	0	.
477	478	0	3	Braund, Mr. Lewis Richard	male	29.00	1	0	.
478	479	0	3	Karlsson, Mr. Nils August	male	22.00	0	0	3
479	480	1	3	Hirvonen, Miss. Hildur E	female	2.00	0	1	3
480	481	0	3	Goodwin, Master. Harold Victor	male	9.00	5	2	C.
481	482	0	2	Frost, Mr. Anthony Wood "Archie"	male	NaN	0	0	2

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
482	483	0	3	Rouse, Mr. Richard Henry	male	50.00	0	0	A/
483	484	1	3	Turkula, Mrs. (Hedwig)	female	63.00	0	0	
484	485	1	1	Bishop, Mr. Dickinson H	male	25.00	1	0	
485	486	0	3	Lefebre, Miss. Jeannie	female	Nan	3	1	
486	487	1	1	Hoyt, Mrs. Frederick Maxfield (Jane Anne Forby)	female	35.00	1	0	
487	488	0	1	Kent, Mr. Edward Austin	male	58.00	0	0	
488	489	0	3	Somerton, Mr. Francis William	male	30.00	0	0	A.5.
489	490	1	3	Coutts, Master. Eden Leslie "Neville"	male	9.00	1	1	C.A.
490	491	0	3	Hagland, Mr. Konrad Mathias Reiersen	male	Nan	1	0	
491	492	0	3	Windelov, Mr. Einar	male	21.00	0	0	SOTC 3.
492	493	0	1	Molson, Mr. Harry Markland	male	55.00	0	0	
493	494	0	1	Artagaveytia, Mr. Ramon	male	71.00	0	0	PC
494	495	0	3	Stanley, Mr. Edward Roland	male	21.00	0	0	A/4
495	496	0	3	Yousseff, Mr. Gerious	male	Nan	0	0	
496	497	1	1	Eustis, Miss. Elizabeth Mussey	female	54.00	1	0	
497	498	0	3	Shellard, Mr. Frederick William	male	Nan	0	0	C.A.
498	499	0	1	Allison, Mrs. Hudson J C (Bessie Waldo Daniels)	female	25.00	1	2	
499	500	0	3	Svensson, Mr. Olof	male	24.00	0	0	

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
500	501	0	3	Calic, Mr. Petar	male	17.00	0	0	E..
501	502	0	3	Canavan, Miss. Mary	female	21.00	0	0	E..
502	503	0	3	O'Sullivan, Miss. Bridget Mary	female	NaN	0	0	E..
503	504	0	3	Laitinen, Miss. Kristina Sofia	female	37.00	0	0	E..
504	505	1	1	Maioni, Miss. Roberta	female	16.00	0	0	.C.
505	506	0	1	Penasco y Castellana, Mr. Victor de Satode	male	18.00	1	0	PC
506	507	1	2	Quick, Mrs. Frederick Charles (Jane Richards)	female	33.00	0	2	.C.
507	508	1	1	Bradley, Mr. George ("George Arthur Brayton")	male	NaN	0	0	.C.
508	509	0	3	Olsen, Mr. Henry Margido	male	28.00	0	0	.C.
509	510	1	3	Lang, Mr. Fang	male	26.00	0	0	.C.
510	511	1	3	Daly, Mr. Eugene Patrick	male	29.00	0	0	E..
511	512	0	3	Webber, Mr. James	male	NaN	0	0	SOTC 3..
512	513	1	1	McGough, Mr. James Robert	male	36.00	0	0	PC
513	514	1	1	Rothschild, Mrs. Martin (Elizabeth L. Barrett)	female	54.00	1	0	PC
514	515	0	3	Coleff, Mr. Satio	male	24.00	0	0	E..
515	516	0	1	Walker, Mr. William Anderson	male	47.00	0	0	.C.
516	517	1	2	Lemore, Mrs. (Amelia Milley)	female	34.00	0	0	C.A.
517	518	0	3	Ryan, Mr. Patrick	male	NaN	0	0	E..
518	519	1	2	Angle, Mrs. William A (Florence "Mary" Agnes H...)	female	36.00	1	0	2..

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
519	520	0	3	Pavlovic, Mr. Stefo	male	32.00	0	0	E..
520	521	1	1	Perreault, Miss. Anne	female	30.00	0	0	
521	522	0	3	Vovk, Mr. Janko	male	22.00	0	0	E..
522	523	0	3	Lahoud, Mr. Sarkis	male	Nan	0	0	
523	524	1	1	Hippach, Mrs. Louis Albert (Ida Sophia Fischer)	female	44.00	0	1	C..
524	525	0	3	Kassem, Mr. Fared	male	Nan	0	0	
525	526	0	3	Farrell, Mr. James	male	40.50	0	0	E..
526	527	1	2	Ridsdale, Miss. Lucy	female	50.00	0	0	W./C.
527	528	0	1	Farthing, Mr. John	male	Nan	0	0	PC
528	529	0	3	Salonen, Mr. Johan Werner	male	39.00	0	0	3..
529	530	0	2	Hocking, Mr. Richard George	male	23.00	2	1	
530	531	1	2	Quick, Miss. Phyllis May	female	2.00	1	1	
531	532	0	3	Toufik, Mr. Nakli	male	Nan	0	0	
532	533	0	3	Elias, Mr. Joseph Jr	male	17.00	1	1	
533	534	1	3	Peter, Mrs. Catherine (Catherine Rizk)	female	Nan	0	2	
534	535	0	3	Cacic, Miss. Marija	female	30.00	0	0	E..
535	536	1	2	Hart, Miss. Eva Miriam	female	7.00	0	2	F.C.C.
536	537	0	1	Butt, Major. Archibald Willingham	male	45.00	0	0	
537	538	1	1	LeRoy, Miss. Bertha	female	30.00	0	0	PC
538	539	0	3	Risien, Mr. Samuel Beard	male	Nan	0	0	E..

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
539	540	1	1	Frolicher, Miss. Hedwig Margarita	female	22.00	0	2
540	541	1	1	Crosby, Miss. Harriet R	female	36.00	0	2
541	542	0	3	Andersson, Miss. Ingeborg Constanzia	female	9.00	4	2
542	543	0	3	Andersson, Miss. Sigrid Elisabeth	female	11.00	4	2
543	544	1	2	Beane, Mr. Edward	male	32.00	1	0
544	545	0	1	Douglas, Mr. Walter Donald	male	50.00	1	0
545	546	0	1	Nicholson, Mr. Arthur Ernest	male	64.00	0	0
546	547	1	2	Beane, Mrs. Edward (Ethel Clarke)	female	19.00	1	0
547	548	1	2	Padro y Manent, Mr. Julian	male	NaN	0	0
548	549	0	3	Goldsmith, Mr. Frank John	male	33.00	1	1
549	550	1	2	Davies, Master. John Morgan Jr	male	8.00	1	1
550	551	1	1	Thayer, Mr. John Borland Jr	male	17.00	0	2
551	552	0	2	Sharp, Mr. Percival James R	male	27.00	0	0
552	553	0	3	O'Brien, Mr. Timothy	male	NaN	0	0
553	554	1	3	Leeni, Mr. Fahim ("Philip Zenni")	male	22.00	0	0
554	555	1	3	Ohman, Miss. Velin	female	22.00	0	0
555	556	0	1	Wright, Mr. George	male	62.00	0	0
556	557	1	1	Duff Gordon, Lady. (Lucille Christiana Sutherl...)	female	48.00	1	0
557	558	0	1	Robbins, Mr. Victor	male	NaN	0	0

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
558	559	1	1	Taussig, Mrs. Emil (Tillie Mandelbaum)	female	39.00	1	1	
559	560	1	3	de Messemaeker, Mrs. Guillaume Joseph (Emma)	female	36.00	1	0	
560	561	0	3	Morrow, Mr. Thomas Rowan	male	NaN	0	0	
561	562	0	3	Sivic, Mr. Husein	male	40.00	0	0	
562	563	0	2	Norman, Mr. Robert Douglas	male	28.00	0	0	2
563	564	0	3	Simmons, Mr. John	male	NaN	0	0	SOTC
564	565	0	3	Meanwell, Miss. (Marion Ogden)	female	NaN	0	0	SOTO
565	566	0	3	Davies, Mr. Alfred J	male	24.00	2	0	A/4
566	567	0	3	Stoytcheff, Mr. Ilia	male	19.00	0	0	
567	568	0	3	Palsson, Mrs. Nils (Alma Cornelia Berglund)	female	29.00	0	4	
568	569	0	3	Doharr, Mr. Tannous	male	NaN	0	0	
569	570	1	3	Jonsson, Mr. Carl	male	32.00	0	0	
570	571	1	2	Harris, Mr. George	male	62.00	0	0	S.W./
571	572	1	1	Appleton, Mrs. Edward Dale (Charlotte Lamson)	female	53.00	2	0	
572	573	1	1	Flynn, Mr. John Irwin ("Irving")	male	36.00	0	0	PC
573	574	1	3	Kelly, Miss. Mary	female	NaN	0	0	
574	575	0	3	Rush, Mr. Alfred George John	male	16.00	0	0	A/4.
575	576	0	3	Patchett, Mr. George	male	19.00	0	0	
576	577	1	2	Garside, Miss. Ethel	female	34.00	0	0	2

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
577	578	1	1	Silvey, Mrs. William Baird (Alice Munger)	female	39.00	1	0
578	579	0	3	Caram, Mrs. Joseph (Maria Elias)	female	Nan	1	0
579	580	1	3	Jussila, Mr. Eiriik	male	32.00	0	0
580	581	1	2	Christy, Miss. Julie Rachel	female	25.00	1	1
581	582	1	1	Thayer, Mrs. John Borland (Marian Longstreth M...)	female	39.00	1	1
582	583	0	2	Downton, Mr. William James	male	54.00	0	0
583	584	0	1	Ross, Mr. John Hugo	male	36.00	0	0
584	585	0	3	Paulner, Mr. Uscher	male	Nan	0	0
585	586	1	1	Taussig, Miss. Ruth	female	18.00	0	2
586	587	0	2	Jarvis, Mr. John Denzil	male	47.00	0	0
587	588	1	1	Frolicher-Stehli, Mr. Maxmillian	male	60.00	1	1
588	589	0	3	Gilinski, Mr. Eliezer	male	22.00	0	0
589	590	0	3	Murdlin, Mr. Joseph	male	Nan	0	0
590	591	0	3	Rintamaki, Mr. Matti	male	35.00	0	0
591	592	1	1	Stephenson, Mrs. Walter Bertram (Martha Eustis)	female	52.00	1	0
592	593	0	3	Elsbury, Mr. William James	male	47.00	0	0
593	594	0	3	Bourke, Miss. Mary	female	Nan	0	2
594	595	0	2	Chapman, Mr. John Henry	male	37.00	1	0
595	596	0	3	Van Impe, Mr. Jean Baptiste	male	36.00	1	1

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
596	597	1	2	Leitch, Miss. Jessie Wills	female	NaN	0	0	2
597	598	0	3	Johnson, Mr. Alfred	male	49.00	0	0	
598	599	0	3	Boulos, Mr. Hanna	male	NaN	0	0	
599	600	1	1	Duff Gordon, Sir. Cosmo Edmund ("Mr Morgan")	male	49.00	1	0	PC
600	601	1	2	Jacobsohn, Mrs. Sidney Samuel (Amy Frances Chr...)	female	24.00	2	1	2
601	602	0	3	Slabenoff, Mr. Petco	male	NaN	0	0	3
602	603	0	1	Harrington, Mr. Charles H	male	NaN	0	0	
603	604	0	3	Torber, Mr. Ernst William	male	44.00	0	0	3
604	605	1	1	Homer, Mr. Harry ("Mr E Haven")	male	35.00	0	0	
605	606	0	3	Lindell, Mr. Edvard Bengtsson	male	36.00	1	0	3
606	607	0	3	Karaic, Mr. Milan	male	30.00	0	0	3
607	608	1	1	Daniel, Mr. Robert Williams	male	27.00	0	0	
608	609	1	2	Laroche, Mrs. Joseph (Juliette Marie Louise La...)	female	22.00	1	2	S
609	610	1	1	Shutes, Miss. Elizabeth W	female	40.00	0	0	PC
610	611	0	3	Andersson, Mrs. Anders Johan (Alfrida Konstant...)	female	39.00	1	5	3
611	612	0	3	Jardin, Mr. Jose Neto	male	NaN	0	0	SOTO 3
612	613	1	3	Murphy, Miss. Margaret Jane	female	NaN	1	0	3
613	614	0	3	Horgan, Mr. John	male	NaN	0	0	3

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
614	615	0	3	Brocklebank, Mr. William Alfred	male	35.00	0	0	3
615	616	1	2	Herman, Miss. Alice	female	24.00	1	2	2
616	617	0	3	Danbom, Mr. Ernst Gilbert	male	34.00	1	1	3
617	618	0	3	Lobb, Mrs. William Arthur (Cordelia K Stanlick)	female	26.00	1	0	A/
618	619	1	2	Becker, Miss. Marion Louise	female	4.00	2	1	2
619	620	0	2	Gavey, Mr. Lawrence	male	26.00	0	0	
620	621	0	3	Yasbeck, Mr. Antoni	male	27.00	1	0	
621	622	1	1	Kimball, Mr. Edwin Nelson Jr	male	42.00	1	0	
622	623	1	3	Nakid, Mr. Sahid	male	20.00	1	1	
623	624	0	3	Hansen, Mr. Henry Damsgaard	male	21.00	0	0	3
624	625	0	3	Bowen, Mr. David John "Dai"	male	21.00	0	0	
625	626	0	1	Sutton, Mr. Frederick	male	61.00	0	0	
626	627	0	2	Kirkland, Rev. Charles Leonard	male	57.00	0	0	2
627	628	1	1	Longley, Miss. Gretchen Fiske	female	21.00	0	0	
628	629	0	3	Bostandyeff, Mr. Guentcho	male	26.00	0	0	3
629	630	0	3	O'Connell, Mr. Patrick D	male	NaN	0	0	3
630	631	1	1	Barkworth, Mr. Algernon Henry Wilson	male	80.00	0	0	
631	632	0	3	Lundahl, Mr. Johan Svensson	male	51.00	0	0	3
632	633	1	1	Stahelin-Maeglin, Dr. Max	male	32.00	0	0	

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
633	634	0	1	Parr, Mr. William Henry Marsh	male	NaN	0	0	C. A.
634	635	0	3	Skoog, Miss. Mabel	female	9.00	3	2	C. A.
635	636	1	2	Davis, Miss. Mary	female	28.00	0	0	C. A.
636	637	0	3	Leinonen, Mr. Antti Gustaf	male	32.00	0	0	STO 3.
637	638	0	2	Collyer, Mr. Harvey	male	31.00	1	1	C.A.
638	639	0	3	Panula, Mrs. Juha (Maria Emilia Ojala)	female	41.00	0	5	3.
639	640	0	3	Thorneycroft, Mr. Percival	male	NaN	1	0	C. A.
640	641	0	3	Jensen, Mr. Hans Peder	male	20.00	0	0	C. A.
641	642	1	1	Sagesser, Mlle. Emma	female	24.00	0	0	PC
642	643	0	3	Skoog, Miss. Margit Elizabeth	female	2.00	3	2	C. A.
643	644	1	3	Foo, Mr. Choong	male	NaN	0	0	C. A.
644	645	1	3	Baclini, Miss. Eugenie	female	0.75	2	1	C. A.
645	646	1	1	Harper, Mr. Henry Sleeper	male	48.00	1	0	PC
646	647	0	3	Cor, Mr. Liudevit	male	19.00	0	0	C. A.
647	648	1	1	Simonius-Blumer, Col. Oberst Alfons	male	56.00	0	0	C. A.
648	649	0	3	Willey, Mr. Edward	male	NaN	0	0	S. S.
649	650	1	3	Stanley, Miss. Amy Zillah Elsie	female	23.00	0	0	C. A.
650	651	0	3	Mitkoff, Mr. Mito	male	NaN	0	0	C. A.
651	652	1	2	Doling, Miss. Elsie	female	18.00	0	1	C. A.
652	653	0	3	Kalvik, Mr. Johannes Halvorsen	male	21.00	0	0	C. A.

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
653	654	1	3	O'Leary, Miss. Hanora "Norah"	female	NaN	0	0	3
654	655	0	3	Hegarty, Miss. Hanora "Nora"	female	18.00	0	0	3
655	656	0	2	Hickman, Mr. Leonard Mark	male	24.00	2	0	S.O.C.
656	657	0	3	Radeff, Mr. Alexander	male	NaN	0	0	3
657	658	0	3	Bourke, Mrs. John (Catherine)	female	32.00	1	1	3
658	659	0	2	Eitemiller, Mr. George Floyd	male	23.00	0	0	
659	660	0	1	Newell, Mr. Arthur Webster	male	58.00	0	2	
660	661	1	1	Frauenthal, Dr. Henry William	male	50.00	2	0	PC
661	662	0	3	Badt, Mr. Mohamed	male	40.00	0	0	
662	663	0	1	Colley, Mr. Edward Pomeroy	male	47.00	0	0	
663	664	0	3	Coleff, Mr. Peju	male	36.00	0	0	3
664	665	1	3	Lindqvist, Mr. Eino William	male	20.00	1	0	STO 3
665	666	0	2	Hickman, Mr. Lewis	male	32.00	2	0	S.O.C.
666	667	0	2	Butler, Mr. Reginald Fenton	male	25.00	0	0	2
667	668	0	3	Rommetvedt, Mr. Knud Paust	male	NaN	0	0	3
668	669	0	3	Cook, Mr. Jacob	male	43.00	0	0	A/
669	670	1	1	Taylor, Mrs. Elmer Zebley (Juliet Cummins Wright)	female	NaN	1	0	
670	671	1	2	Brown, Mrs. Thomas William Solomon (Elizabeth ...)	female	40.00	1	1	
671	672	0	1	Davidson, Mr. Thornton	male	31.00	1	0	F.C.
672	673	0	2	Mitchell, Mr. Henry Michael	male	70.00	0	0	C.A.

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
673	674	1	2	Wilhelms, Mr. Charles	male	31.00	0	0	C. 22
674	675	0	2	Watson, Mr. Ennis Hastings	male	NaN	0	0	C. 23
675	676	0	3	Edvardsson, Mr. Gustaf Hjalmar	male	18.00	0	0	C. 33
676	677	0	3	Sawyer, Mr. Frederick Charles	male	24.50	0	0	C. 33
677	678	1	3	Turja, Miss. Anna Sofia	female	18.00	0	0	C. 34
678	679	0	3	Goodwin, Mrs. Frederick (Augusta Tyler)	female	43.00	1	6	C. 34
679	680	1	1	Cardeza, Mr. Thomas Drake Martinez	male	36.00	0	1	PC. 22
680	681	0	3	Peters, Miss. Katie	female	NaN	0	0	C. 35
681	682	1	1	Hassab, Mr. Hammad	male	27.00	0	0	PC. 22
682	683	0	3	Olsvigen, Mr. Thor Anderson	male	20.00	0	0	C. 35
683	684	0	3	Goodwin, Mr. Charles Edward	male	14.00	5	2	C. 35
684	685	0	2	Brown, Mr. Thomas William Solomon	male	60.00	1	1	C. 35
685	686	0	2	Laroche, Mr. Joseph Philippe Lemercier	male	25.00	1	2	S. 11
686	687	0	3	Panula, Mr. Jaako Arnold	male	14.00	4	1	31
687	688	0	3	Dakic, Mr. Branko	male	19.00	0	0	C. 35
688	689	0	3	Fischer, Mr. Eberhard Thelander	male	18.00	0	0	C. 35
689	690	1	1	Madill, Miss. Georgette Alexandra	female	15.00	0	1	C. 35
690	691	1	1	Dick, Mr. Albert Adrian	male	31.00	1	0	C. 35

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
691	692	1	3	Karun, Miss. Manca	female	4.00	0	1	3
692	693	1	3	Lam, Mr. Ali	male	Nan	0	0	
693	694	0	3	Saad, Mr. Khalil	male	25.00	0	0	
694	695	0	1	Weir, Col. John	male	60.00	0	0	
695	696	0	2	Chapman, Mr. Charles Henry	male	52.00	0	0	2
696	697	0	3	Kelly, Mr. James	male	44.00	0	0	3
697	698	1	3	Mullens, Miss. Katherine "Katie"	female	Nan	0	0	
698	699	0	1	Thayer, Mr. John Borland	male	49.00	1	1	
699	700	0	3	Humble, Mr. Adolf Mathias Nicolai Olsen	male	42.00	0	0	3
700	701	1	1	Astor, Mrs. John Jacob (Madeleine Talmadge Force)	female	18.00	1	0	PC
701	702	1	1	Silverthorne, Mr. Spencer Victor	male	35.00	0	0	PC
702	703	0	3	Barbara, Miss. Saitide	female	18.00	0	1	
703	704	0	3	Gallagher, Mr. Martin	male	25.00	0	0	
704	705	0	3	Hansen, Mr. Henrik Juul	male	26.00	1	0	3
705	706	0	2	Morley, Mr. Henry Samuel ("Mr Henry Marshall")	male	39.00	0	0	2
706	707	1	2	Kelly, Mrs. Florence "Fannie"	female	45.00	0	0	2
707	708	1	1	Calderhead, Mr. Edward Pennington	male	42.00	0	0	PC
708	709	1	1	Cleaver, Miss. Alice	female	22.00	0	0	
709	710	1	3	Moubarek, Master. Halim Gonios ("William George")	male	Nan	1	1	

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
710	711	1	1	Mayne, Mlle. Berthe Antonine ("Mrs de Villiers")	female	24.00	0	0 PC
711	712	0	1	Klager, Mr. Herman	male	Nan	0	0 .
712	713	1	1	Taylor, Mr. Elmer Zebley	male	48.00	1	0
713	714	0	3	Larsson, Mr. August Viktor	male	29.00	0	0
714	715	0	2	Greenberg, Mr. Samuel	male	52.00	0	0 2
715	716	0	3	Soholt, Mr. Peter Andreas Lauritz Andersen	male	19.00	0	0 3
716	717	1	1	Endres, Miss. Caroline Louise	female	38.00	0	0 PC
717	718	1	2	Troutt, Miss. Edwina Celia "Winnie"	female	27.00	0	0
718	719	0	3	McEvoy, Mr. Michael	male	Nan	0	0
719	720	0	3	Johnson, Mr. Malkom Joackim	male	33.00	0	0 3
720	721	1	2	Harper, Miss. Annie Jessie "Nina"	female	6.00	0	1 2
721	722	0	3	Jensen, Mr. Svend Lauritz	male	17.00	1	0 3
722	723	0	2	Gillespie, Mr. William Henry	male	34.00	0	0
723	724	0	2	Hodges, Mr. Henry Price	male	50.00	0	0 2
724	725	1	1	Chambers, Mr. Norman Campbell	male	27.00	1	0 .
725	726	0	3	Oreskovic, Mr. Luka	male	20.00	0	0 3
726	727	1	2	Renouf, Mrs. Peter Henry (Lillian Jefferys)	female	30.00	3	0
727	728	1	3	Mannion, Miss. Margareth	female	Nan	0	0

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
728	729	0	2	Bryhl, Mr. Kurt Arnold Gottfrid	male	25.00	1	0	2
729	730	0	3	Iilmakangas, Miss. Pieta Sofia	female	25.00	1	0	STC 3.
730	731	1	1	Allen, Miss. Elisabeth Walton	female	29.00	0	0	
731	732	0	3	Hassan, Mr. Houssein G N	male	11.00	0	0	
732	733	0	2	Knight, Mr. Robert J	male	NaN	0	0	2
733	734	0	2	Berriman, Mr. William John	male	23.00	0	0	
734	735	0	2	Troupiansky, Mr. Moses Aaron	male	23.00	0	0	2
735	736	0	3	Williams, Mr. Leslie	male	28.50	0	0	
736	737	0	3	Ford, Mrs. Edward (Margaret Ann Watson)	female	48.00	1	3	W./C
737	738	1	1	Lesurer, Mr. Gustave J	male	35.00	0	0	PC
738	739	0	3	Ivanoff, Mr. Kanio	male	NaN	0	0	3
739	740	0	3	Nankoff, Mr. Minko	male	NaN	0	0	3
740	741	1	1	Hawksford, Mr. Walter James	male	NaN	0	0	
741	742	0	1	Cavendish, Mr. Tyrell William	male	36.00	1	0	
742	743	1	1	Ryerson, Miss. Susan Parker "Suzette"	female	21.00	2	2	PC
743	744	0	3	McNamee, Mr. Neal	male	24.00	1	0	3
744	745	1	3	Stranden, Mr. Juho	male	31.00	0	0	STO 3.
745	746	0	1	Crosby, Capt. Edward Gifford	male	70.00	1	1	WE/
746	747	0	3	Abbott, Mr. Rossmore Edward	male	16.00	1	1	C.A.

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
747	748	1	2	Sinkkonen, Miss. Anna	female	30.00	0	0	C22
748	749	0	1	Marvin, Mr. Daniel Warner	male	19.00	1	0	C12
749	750	0	3	Connaghton, Mr. Michael	male	31.00	0	0	C32
750	751	1	2	Wells, Miss. Joan	female	4.00	1	1	C23
751	752	1	3	Moor, Master. Meier	male	6.00	0	1	C33
752	753	0	3	Vande Velde, Mr. Johannes Joseph	male	33.00	0	0	C33
753	754	0	3	Jonkoff, Mr. Lilio	male	23.00	0	0	C33
754	755	1	2	Herman, Mrs. Samuel (Jane Laver)	female	48.00	1	2	C22
755	756	1	2	Hamalainen, Master. Viljo	male	0.67	1	1	C22
756	757	0	3	Carlsson, Mr. August Sigfrid	male	28.00	0	0	C32
757	758	0	2	Bailey, Mr. Percy Andrew	male	18.00	0	0	C23
758	759	0	3	Theobald, Mr. Thomas Leonard	male	34.00	0	0	C33
759	760	1	1	Rothes, the Countess. of (Lucy Noel Martha Dye...)	female	33.00	0	0	C11
760	761	0	3	Garfirth, Mr. John	male	Nan	0	0	C33
761	762	0	3	Nirva, Mr. Iisakki Antino Aijo	male	41.00	0	0	SOTC3
762	763	1	3	Barah, Mr. Hanna Assi	male	20.00	0	0	C32
763	764	1	1	Carter, Mrs. William Ernest (Lucile Polk)	female	36.00	1	2	C11
764	765	0	3	Eklund, Mr. Hans Linus	male	16.00	0	0	C33
765	766	1	1	Hogeboom, Mrs. John C (Anna Andrews)	female	51.00	1	0	C11

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
766	767	0	1	Brewe, Dr. Arthur Jackson	male	NaN	0	0	
767	768	0	3	Mangan, Miss. Mary	female	30.50	0	0	
768	769	0	3	Moran, Mr. Daniel J	male	NaN	1	0	
769	770	0	3	Gronnestad, Mr. Daniel Danielsen	male	32.00	0	0	
770	771	0	3	Lievens, Mr. Rene Aime	male	24.00	0	0	
771	772	0	3	Jensen, Mr. Niels Peder	male	48.00	0	0	
772	773	0	2	Mack, Mrs. (Mary)	female	57.00	0	0	S.O.
773	774	0	3	Elias, Mr. Dibo	male	NaN	0	0	
774	775	1	2	Hocking, Mrs. Elizabeth (Eliza Needs)	female	54.00	1	3	
775	776	0	3	Myhrman, Mr. Pehr Fabian Oliver Malcolm	male	18.00	0	0	
776	777	0	3	Tobin, Mr. Roger	male	NaN	0	0	
777	778	1	3	Emanuel, Miss. Virginia Ethel	female	5.00	0	0	
778	779	0	3	Kilgannon, Mr. Thomas J	male	NaN	0	0	
779	780	1	1	Robert, Mrs. Edward Scott (Elisabeth Walton Mc...)	female	43.00	0	1	
780	781	1	3	Ayoub, Miss. Banoura	female	13.00	0	0	
781	782	1	1	Dick, Mrs. Albert Adrian (Vera Gillespie)	female	17.00	1	0	
782	783	0	1	Long, Mr. Milton Clyde	male	29.00	0	0	
783	784	0	3	Johnston, Mr. Andrew G	male	NaN	1	2	W./C.
784	785	0	3	Ali, Mr. William	male	25.00	0	0	SOTO 3
785	786	0	3	Harmer, Mr. Abraham (David	male	25.00	0	0	

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
Lishin)								
786	787	1	3	Sjoblom, Miss. Anna Sofia	female	18.00	0	0
787	788	0	3	Rice, Master. George Hugh	male	8.00	4	1
788	789	1	3	Dean, Master. Bertram Vere	male	1.00	1	2
789	790	0	1	Guggenheim, Mr. Benjamin	male	46.00	0	0
790	791	0	3	Keane, Mr. Andrew "Andy"	male	NaN	0	0
791	792	0	2	Gaskell, Mr. Alfred	male	16.00	0	0
792	793	0	3	Sage, Miss. Stella Anna	female	NaN	8	2
793	794	0	1	Hoyt, Mr. William Fisher	male	NaN	0	0
794	795	0	3	Dantcheff, Mr. Ristiu	male	25.00	0	0
795	796	0	2	Otter, Mr. Richard	male	39.00	0	0
796	797	1	1	Leader, Dr. Alice (Farnham)	female	49.00	0	0
797	798	1	3	Osman, Mrs. Mara	female	31.00	0	0
798	799	0	3	Ibrahim Shawah, Mr. Yousseff	male	30.00	0	0
799	800	0	3	Van Impe, Mrs. Jean Baptiste (Rosalie Paula Go...)	female	30.00	1	1
800	801	0	2	Ponesell, Mr. Martin	male	34.00	0	0
801	802	1	2	Collyer, Mrs. Harvey (Charlotte Annie Tate)	female	31.00	1	1
802	803	1	1	Carter, Master. William Thornton II	male	11.00	1	2
803	804	1	3	Thomas, Master. Assad Alexander	male	0.42	0	1
804	805	1	3	Hedman, Mr.	male	27.00	0	0

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
Oskar Arvid								
805	806	0	Johansson, Mr. Karl Johan	male	31.00	0	0	C/54
806	807	0	Andrews, Mr. Thomas Jr	male	39.00	0	0	C/54
807	808	0	Pettersson, Miss. Ellen Natalia	female	18.00	0	0	C/54
808	809	0	Meyer, Mr. August	male	39.00	0	0	C/54
Chambers, Mrs. Norman Campbell (Bertha Griggs)								
809	810	1	Norman Campbell (Bertha Griggs)	female	33.00	1	0	C/54
810	811	0	Alexander, Mr. William	male	26.00	0	0	C/54
811	812	0	Lester, Mr. James	male	39.00	0	0	A/4
812	813	0	Slemen, Mr. Richard James	male	35.00	0	0	C/54
813	814	0	Andersson, Miss. Ebba Iris Alfrida	female	6.00	4	2	C/54
814	815	0	Tomlin, Mr. Ernest Portage	male	30.50	0	0	C/54
815	816	0	Fry, Mr. Richard	male	NAN	0	0	C/54
816	817	0	Heininen, Miss. Wendla Maria	female	23.00	0	0	STC/34
817	818	0	Mallet, Mr. Albert	male	31.00	1	1	S.C. 34
818	819	0	Holm, Mr. John Fredrik Alexander	male	43.00	0	0	C/54
819	820	0	Skoog, Master. Karl Thorsten	male	10.00	3	2	C/54
Hays, Mrs. Charles Melville (Clara Jennings Gr... Reuchlin, Jonkheer. John George								
820	821	1	Charles Melville (Clara Jennings Gr... Reuchlin, Jonkheer. John George	female	52.00	1	1	C/54
821	822	1	Lulic, Mr. Nikola	male	27.00	0	0	C/54
822	823	0	Reuchlin, Jonkheer. John George	male	38.00	0	0	C/54
823	824	1	Moor, Mrs. (Beila)	female	27.00	0	1	C/54

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
824	825	0	3	Panula, Master. Urho Abraham	male	2.00	4	1	3
825	826	0	3	Flynn, Mr. John	male	NaN	0	0	
826	827	0	3	Lam, Mr. Len	male	NaN	0	0	
827	828	1	2	Mallet, Master. Andre	male	1.00	0	2	S.C.
828	829	1	3	McCormack, Mr. Thomas Joseph	male	NaN	0	0	
829	830	1	1	Stone, Mrs. George Nelson (Martha Evelyn)	female	62.00	0	0	
830	831	1	3	Yasbeck, Mrs. Antoni (Selini Alexander)	female	15.00	1	0	
831	832	1	2	Richards, Master. George Sibley	male	0.83	1	1	
832	833	0	3	Saad, Mr. Amin	male	NaN	0	0	
833	834	0	3	Augustsson, Mr. Albert	male	23.00	0	0	
834	835	0	3	Allum, Mr. Owen George	male	18.00	0	0	
835	836	1	1	Compton, Miss. Sara Rebecca	female	39.00	1	1	PC
836	837	0	3	Pasic, Mr. Jakob	male	21.00	0	0	
837	838	0	3	Sirota, Mr. Maurice	male	NaN	0	0	
838	839	1	3	Chip, Mr. Chang	male	32.00	0	0	
839	840	1	1	Marechal, Mr. Pierre	male	NaN	0	0	
840	841	0	3	Alhomaki, Mr. Ilmari Rudolf	male	20.00	0	0	SOT 3
841	842	0	2	Mudd, Mr. Thomas Charles	male	16.00	0	0	S.O
842	843	1	1	Serepeca, Miss. Augusta	female	30.00	0	0	
843	844	0	3	Lemberopolous, Mr. Peter L	male	34.50	0	0	
844	845	0	3	Culumovic, Mr. Jeso	male	17.00	0	0	
845	846	0	3	Abbing, Mr.	male	42.00	0	0	C.A

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Cabin
Anthony									
846	847	0	3	Sage, Mr. Douglas Bullen	male	NaN	8	2	CA
847	848	0	3	Markoff, Mr. Marin	male	35.00	0	0	E
848	849	0	2	Harper, Rev. John	male	28.00	0	1	2
849	850	1	1	Goldenberg, Mrs. Samuel L (Edwiga Grabowska)	female	NaN	1	0	
850	851	0	3	Andersson, Master. Sigvard Harald Elias	male	4.00	4	2	E
851	852	0	3	Svensson, Mr. Johan	male	74.00	0	0	E
852	853	0	3	Boulos, Miss. Nourelain	female	9.00	1	1	
853	854	1	1	Lines, Miss. Mary Conover	female	16.00	0	1	PC
854	855	0	2	Carter, Mrs. Ernest Courtenay (Lilian Hughes)	female	44.00	1	0	2
855	856	1	3	Aks, Mrs. Sam (Leah Rosen)	female	18.00	0	1	E
856	857	1	1	Wick, Mrs. George Dennick (Mary Hitchcock)	female	45.00	1	1	
857	858	1	1	Daly, Mr. Peter Denis	male	51.00	0	0	
858	859	1	3	Baclini, Mrs. Solomon (Latifa Qurban)	female	24.00	0	3	
859	860	0	3	Razi, Mr. Raihed	male	NaN	0	0	
860	861	0	3	Hansen, Mr. Claus Peter	male	41.00	2	0	E
861	862	0	2	Giles, Mr. Frederick Edward	male	21.00	1	0	
862	863	1	1	Swift, Mrs. Frederick Joel (Margaret Welles Ba...)	female	48.00	0	0	

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	
863	864	0	3	Sage, Miss. Dorothy Edith "Dolly"	female	NaN	8	2	CA
864	865	0	2	Gill, Mr. John William	male	24.00	0	0	2
865	866	1	2	Bystrom, Mrs. (Karolina)	female	42.00	0	0	2
866	867	1	2	Duran y More, Miss. Asuncion	female	27.00	1	0	SC
867	868	0	1	Roebling, Mr. Washington Augustus II	male	31.00	0	0	PC
868	869	0	3	van Melkebeke, Mr. Philemon	male	NaN	0	0	3
869	870	1	3	Johnson, Master. Harold Theodor	male	4.00	1	1	3
870	871	0	3	Balkic, Mr. Cerin	male	26.00	0	0	3
871	872	1	1	Beckwith, Mrs. Richard Leonard (Sallie Monypeny)	female	47.00	1	1	3
872	873	0	1	Carlsson, Mr. Frans Olof	male	33.00	0	0	3
873	874	0	3	Vander Cruyssen, Mr. Victor	male	47.00	0	0	3
874	875	1	2	Abelson, Mrs. Samuel (Hannah Wizosky)	female	28.00	1	0	P/P
875	876	1	3	Najib, Miss. Adele Kiamie "Jane"	female	15.00	0	0	3
876	877	0	3	Gustafsson, Mr. Alfred Ossian	male	20.00	0	0	3
877	878	0	3	Petroff, Mr. Nedelio	male	19.00	0	0	3
878	879	0	3	Laleff, Mr. Kristo	male	NaN	0	0	3
879	880	1	1	Potter, Mrs. Thomas Jr (Lily Alexenia Wilson)	female	56.00	0	1	3
880	881	1	2	Shelley, Mrs. William (Imanita	female	25.00	0	1	2

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
Parrish Hall)							
881	882	0	Markun, Mr. Johann	male	33.00	0	0
882	883	0	Dahlberg, Miss. Gerda Ulrika	female	22.00	0	0
883	884	0	Banfield, Mr. Frederick James	male	28.00	0	0
884	885	0	Suthehall, Mr. Henry Jr	male	25.00	0	0
Rice, Mrs. William (Margaret Norton)							
885	886	0	Montvila, Rev. Juozas	male	27.00	0	0
886	887	0	Graham, Miss. Margaret Edith	female	19.00	0	0
887	888	1	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2
888	889	0	Behr, Mr. Karl Howell	male	26.00	0	0
889	890	1	Dooley, Mr. Patrick	male	32.00	0	0
890	891	0					

In [3]: `df.describe()`

	PassengerId	Survived	Pclass	Age	SibSp	Parch
count	891.000000	891.000000	891.000000	714.000000	891.000000	891.000000
mean	446.000000	0.383838	2.308642	29.699118	0.523008	0.381594
std	257.353842	0.486592	0.836071	14.526497	1.102743	0.806057
min	1.000000	0.000000	1.000000	0.420000	0.000000	0.000000
25%	223.500000	0.000000	2.000000	20.125000	0.000000	0.000000
50%	446.000000	0.000000	3.000000	28.000000	0.000000	0.000000
75%	668.500000	1.000000	3.000000	38.000000	1.000000	0.000000
max	891.000000	1.000000	3.000000	80.000000	8.000000	6.000000
						512.329

In [4]: `df2 = df.loc[:, ['Survived', 'Age', 'Fare']]`
`df2`

Out[4]:

	Survived	Age	Fare
0	0	22.00	7.2500
1	1	38.00	71.2833
2	1	26.00	7.9250
3	1	35.00	53.1000
4	0	35.00	8.0500
5	0	NaN	8.4583
6	0	54.00	51.8625
7	0	2.00	21.0750
8	1	27.00	11.1333
9	1	14.00	30.0708
10	1	4.00	16.7000
11	1	58.00	26.5500
12	0	20.00	8.0500
13	0	39.00	31.2750
14	0	14.00	7.8542
15	1	55.00	16.0000
16	0	2.00	29.1250
17	1	NaN	13.0000
18	0	31.00	18.0000
19	1	NaN	7.2250
20	0	35.00	26.0000
21	1	34.00	13.0000
22	1	15.00	8.0292
23	1	28.00	35.5000
24	0	8.00	21.0750
25	1	38.00	31.3875
26	0	NaN	7.2250
27	0	19.00	263.0000
28	1	NaN	7.8792
29	0	NaN	7.8958
30	0	40.00	27.7208
31	1	NaN	146.5208
32	1	NaN	7.7500

	Survived	Age	Fare
33	0	66.00	10.5000
34	0	28.00	82.1708
35	0	42.00	52.0000
36	1	NaN	7.2292
37	0	21.00	8.0500
38	0	18.00	18.0000
39	1	14.00	11.2417
40	0	40.00	9.4750
41	0	27.00	21.0000
42	0	NaN	7.8958
43	1	3.00	41.5792
44	1	19.00	7.8792
45	0	NaN	8.0500
46	0	NaN	15.5000
47	1	NaN	7.7500
48	0	NaN	21.6792
49	0	18.00	17.8000
50	0	7.00	39.6875
51	0	21.00	7.8000
52	1	49.00	76.7292
53	1	29.00	26.0000
54	0	65.00	61.9792
55	1	NaN	35.5000
56	1	21.00	10.5000
57	0	28.50	7.2292
58	1	5.00	27.7500
59	0	11.00	46.9000
60	0	22.00	7.2292
61	1	38.00	80.0000
62	0	45.00	83.4750
63	0	4.00	27.9000
64	0	NaN	27.7208
65	1	NaN	15.2458

	Survived	Age	Fare
66	1	29.00	10.5000
67	0	19.00	8.1583
68	1	17.00	7.9250
69	0	26.00	8.6625
70	0	32.00	10.5000
71	0	16.00	46.9000
72	0	21.00	73.5000
73	0	26.00	14.4542
74	1	32.00	56.4958
75	0	25.00	7.6500
76	0	NaN	7.8958
77	0	NaN	8.0500
78	1	0.83	29.0000
79	1	30.00	12.4750
80	0	22.00	9.0000
81	1	29.00	9.5000
82	1	NaN	7.7875
83	0	28.00	47.1000
84	1	17.00	10.5000
85	1	33.00	15.8500
86	0	16.00	34.3750
87	0	NaN	8.0500
88	1	23.00	263.0000
89	0	24.00	8.0500
90	0	29.00	8.0500
91	0	20.00	7.8542
92	0	46.00	61.1750
93	0	26.00	20.5750
94	0	59.00	7.2500
95	0	NaN	8.0500
96	0	71.00	34.6542
97	1	23.00	63.3583
98	1	34.00	23.0000

	Survived	Age	Fare
99	0	34.00	26.0000
100	0	28.00	7.8958
101	0	NaN	7.8958
102	0	21.00	77.2875
103	0	33.00	8.6542
104	0	37.00	7.9250
105	0	28.00	7.8958
106	1	21.00	7.6500
107	1	NaN	7.7750
108	0	38.00	7.8958
109	1	NaN	24.1500
110	0	47.00	52.0000
111	0	14.50	14.4542
112	0	22.00	8.0500
113	0	20.00	9.8250
114	0	17.00	14.4583
115	0	21.00	7.9250
116	0	70.50	7.7500
117	0	29.00	21.0000
118	0	24.00	247.5208
119	0	2.00	31.2750
120	0	21.00	73.5000
121	0	NaN	8.0500
122	0	32.50	30.0708
123	1	32.50	13.0000
124	0	54.00	77.2875
125	1	12.00	11.2417
126	0	NaN	7.7500
127	1	24.00	7.1417
128	1	NaN	22.3583
129	0	45.00	6.9750
130	0	33.00	7.8958
131	0	20.00	7.0500

	Survived	Age	Fare
132	0	47.00	14.5000
133	1	29.00	26.0000
134	0	25.00	13.0000
135	0	23.00	15.0458
136	1	19.00	26.2833
137	0	37.00	53.1000
138	0	16.00	9.2167
139	0	24.00	79.2000
140	0	NaN	15.2458
141	1	22.00	7.7500
142	1	24.00	15.8500
143	0	19.00	6.7500
144	0	18.00	11.5000
145	0	19.00	36.7500
146	1	27.00	7.7958
147	0	9.00	34.3750
148	0	36.50	26.0000
149	0	42.00	13.0000
150	0	51.00	12.5250
151	1	22.00	66.6000
152	0	55.50	8.0500
153	0	40.50	14.5000
154	0	NaN	7.3125
155	0	51.00	61.3792
156	1	16.00	7.7333
157	0	30.00	8.0500
158	0	NaN	8.6625
159	0	NaN	69.5500
160	0	44.00	16.1000
161	1	40.00	15.7500
162	0	26.00	7.7750
163	0	17.00	8.6625
164	0	1.00	39.6875

	Survived	Age	Fare
165	1	9.00	20.5250
166	1	NaN	55.0000
167	0	45.00	27.9000
168	0	NaN	25.9250
169	0	28.00	56.4958
170	0	61.00	33.5000
171	0	4.00	29.1250
172	1	1.00	11.1333
173	0	21.00	7.9250
174	0	56.00	30.6958
175	0	18.00	7.8542
176	0	NaN	25.4667
177	0	50.00	28.7125
178	0	30.00	13.0000
179	0	36.00	0.0000
180	0	NaN	69.5500
181	0	NaN	15.0500
182	0	9.00	31.3875
183	1	1.00	39.0000
184	1	4.00	22.0250
185	0	NaN	50.0000
186	1	NaN	15.5000
187	1	45.00	26.5500
188	0	40.00	15.5000
189	0	36.00	7.8958
190	1	32.00	13.0000
191	0	19.00	13.0000
192	1	19.00	7.8542
193	1	3.00	26.0000
194	1	44.00	27.7208
195	1	58.00	146.5208
196	0	NaN	7.7500
197	0	42.00	8.4042

	Survived	Age	Fare
198	1	NaN	7.7500
199	0	24.00	13.0000
200	0	28.00	9.5000
201	0	NaN	69.5500
202	0	34.00	6.4958
203	0	45.50	7.2250
204	1	18.00	8.0500
205	0	2.00	10.4625
206	0	32.00	15.8500
207	1	26.00	18.7875
208	1	16.00	7.7500
209	1	40.00	31.0000
210	0	24.00	7.0500
211	1	35.00	21.0000
212	0	22.00	7.2500
213	0	30.00	13.0000
214	0	NaN	7.7500
215	1	31.00	113.2750
216	1	27.00	7.9250
217	0	42.00	27.0000
218	1	32.00	76.2917
219	0	30.00	10.5000
220	1	16.00	8.0500
221	0	27.00	13.0000
222	0	51.00	8.0500
223	0	NaN	7.8958
224	1	38.00	90.0000
225	0	22.00	9.3500
226	1	19.00	10.5000
227	0	20.50	7.2500
228	0	18.00	13.0000
229	0	NaN	25.4667
230	1	35.00	83.4750

	Survived	Age	Fare
231	0	29.00	7.7750
232	0	59.00	13.5000
233	1	5.00	31.3875
234	0	24.00	10.5000
235	0	NaN	7.5500
236	0	44.00	26.0000
237	1	8.00	26.2500
238	0	19.00	10.5000
239	0	33.00	12.2750
240	0	NaN	14.4542
241	1	NaN	15.5000
242	0	29.00	10.5000
243	0	22.00	7.1250
244	0	30.00	7.2250
245	0	44.00	90.0000
246	0	25.00	7.7750
247	1	24.00	14.5000
248	1	37.00	52.5542
249	0	54.00	26.0000
250	0	NaN	7.2500
251	0	29.00	10.4625
252	0	62.00	26.5500
253	0	30.00	16.1000
254	0	41.00	20.2125
255	1	29.00	15.2458
256	1	NaN	79.2000
257	1	30.00	86.5000
258	1	35.00	512.3292
259	1	50.00	26.0000
260	0	NaN	7.7500
261	1	3.00	31.3875
262	0	52.00	79.6500
263	0	40.00	0.0000

	Survived	Age	Fare
264	0	NaN	7.7500
265	0	36.00	10.5000
266	0	16.00	39.6875
267	1	25.00	7.7750
268	1	58.00	153.4625
269	1	35.00	135.6333
270	0	NaN	31.0000
271	1	25.00	0.0000
272	1	41.00	19.5000
273	0	37.00	29.7000
274	1	NaN	7.7500
275	1	63.00	77.9583
276	0	45.00	7.7500
277	0	NaN	0.0000
278	0	7.00	29.1250
279	1	35.00	20.2500
280	0	65.00	7.7500
281	0	28.00	7.8542
282	0	16.00	9.5000
283	1	19.00	8.0500
284	0	NaN	26.0000
285	0	33.00	8.6625
286	1	30.00	9.5000
287	0	22.00	7.8958
288	1	42.00	13.0000
289	1	22.00	7.7500
290	1	26.00	78.8500
291	1	19.00	91.0792
292	0	36.00	12.8750
293	0	24.00	8.8500
294	0	24.00	7.8958
295	0	NaN	27.7208
296	0	23.50	7.2292

	Survived	Age	Fare
297	0	2.00	151.5500
298	1	NaN	30.5000
299	1	50.00	247.5208
300	1	NaN	7.7500
301	1	NaN	23.2500
302	0	19.00	0.0000
303	1	NaN	12.3500
304	0	NaN	8.0500
305	1	0.92	151.5500
306	1	NaN	110.8833
307	1	17.00	108.9000
308	0	30.00	24.0000
309	1	30.00	56.9292
310	1	24.00	83.1583
311	1	18.00	262.3750
312	0	26.00	26.0000
313	0	28.00	7.8958
314	0	43.00	26.2500
315	1	26.00	7.8542
316	1	24.00	26.0000
317	0	54.00	14.0000
318	1	31.00	164.8667
319	1	40.00	134.5000
320	0	22.00	7.2500
321	0	27.00	7.8958
322	1	30.00	12.3500
323	1	22.00	29.0000
324	0	NaN	69.5500
325	1	36.00	135.6333
326	0	61.00	6.2375
327	1	36.00	13.0000
328	1	31.00	20.5250
329	1	16.00	57.9792

	Survived	Age	Fare
330	1	NaN	23.2500
331	0	45.50	28.5000
332	0	38.00	153.4625
333	0	16.00	18.0000
334	1	NaN	133.6500
335	0	NaN	7.8958
336	0	29.00	66.6000
337	1	41.00	134.5000
338	1	45.00	8.0500
339	0	45.00	35.5000
340	1	2.00	26.0000
341	1	24.00	263.0000
342	0	28.00	13.0000
343	0	25.00	13.0000
344	0	36.00	13.0000
345	1	24.00	13.0000
346	1	40.00	13.0000
347	1	NaN	16.1000
348	1	3.00	15.9000
349	0	42.00	8.6625
350	0	23.00	9.2250
351	0	NaN	35.0000
352	0	15.00	7.2292
353	0	25.00	17.8000
354	0	NaN	7.2250
355	0	28.00	9.5000
356	1	22.00	55.0000
357	0	38.00	13.0000
358	1	NaN	7.8792
359	1	NaN	7.8792
360	0	40.00	27.9000
361	0	29.00	27.7208
362	0	45.00	14.4542

	Survived	Age	Fare
363	0	35.00	7.0500
364	0	NaN	15.5000
365	0	30.00	7.2500
366	1	60.00	75.2500
367	1	NaN	7.2292
368	1	NaN	7.7500
369	1	24.00	69.3000
370	1	25.00	55.4417
371	0	18.00	6.4958
372	0	19.00	8.0500
373	0	22.00	135.6333
374	0	3.00	21.0750
375	1	NaN	82.1708
376	1	22.00	7.2500
377	0	27.00	211.5000
378	0	20.00	4.0125
379	0	19.00	7.7750
380	1	42.00	227.5250
381	1	1.00	15.7417
382	0	32.00	7.9250
383	1	35.00	52.0000
384	0	NaN	7.8958
385	0	18.00	73.5000
386	0	1.00	46.9000
387	1	36.00	13.0000
388	0	NaN	7.7292
389	1	17.00	12.0000
390	1	36.00	120.0000
391	1	21.00	7.7958
392	0	28.00	7.9250
393	1	23.00	113.2750
394	1	24.00	16.7000
395	0	22.00	7.7958

	Survived	Age	Fare
396	0	31.00	7.8542
397	0	46.00	26.0000
398	0	23.00	10.5000
399	1	28.00	12.6500
400	1	39.00	7.9250
401	0	26.00	8.0500
402	0	21.00	9.8250
403	0	28.00	15.8500
404	0	20.00	8.6625
405	0	34.00	21.0000
406	0	51.00	7.7500
407	1	3.00	18.7500
408	0	21.00	7.7750
409	0	NaN	25.4667
410	0	NaN	7.8958
411	0	NaN	6.8583
412	1	33.00	90.0000
413	0	NaN	0.0000
414	1	44.00	7.9250
415	0	NaN	8.0500
416	1	34.00	32.5000
417	1	18.00	13.0000
418	0	30.00	13.0000
419	0	10.00	24.1500
420	0	NaN	7.8958
421	0	21.00	7.7333
422	0	29.00	7.8750
423	0	28.00	14.4000
424	0	18.00	20.2125
425	0	NaN	7.2500
426	1	28.00	26.0000
427	1	19.00	26.0000
428	0	NaN	7.7500

	Survived	Age	Fare
429	1	32.00	8.0500
430	1	28.00	26.5500
431	1	NaN	16.1000
432	1	42.00	26.0000
433	0	17.00	7.1250
434	0	50.00	55.9000
435	1	14.00	120.0000
436	0	21.00	34.3750
437	1	24.00	18.7500
438	0	64.00	263.0000
439	0	31.00	10.5000
440	1	45.00	26.2500
441	0	20.00	9.5000
442	0	25.00	7.7750
443	1	28.00	13.0000
444	1	NaN	8.1125
445	1	4.00	81.8583
446	1	13.00	19.5000
447	1	34.00	26.5500
448	1	5.00	19.2583
449	1	52.00	30.5000
450	0	36.00	27.7500
451	0	NaN	19.9667
452	0	30.00	27.7500
453	1	49.00	89.1042
454	0	NaN	8.0500
455	1	29.00	7.8958
456	0	65.00	26.5500
457	1	NaN	51.8625
458	1	50.00	10.5000
459	0	NaN	7.7500
460	1	48.00	26.5500
461	0	34.00	8.0500

	Survived	Age	Fare
462	0	47.00	38.5000
463	0	48.00	13.0000
464	0	NaN	8.0500
465	0	38.00	7.0500
466	0	NaN	0.0000
467	0	56.00	26.5500
468	0	NaN	7.7250
469	1	0.75	19.2583
470	0	NaN	7.2500
471	0	38.00	8.6625
472	1	33.00	27.7500
473	1	23.00	13.7917
474	0	22.00	9.8375
475	0	NaN	52.0000
476	0	34.00	21.0000
477	0	29.00	7.0458
478	0	22.00	7.5208
479	1	2.00	12.2875
480	0	9.00	46.9000
481	0	NaN	0.0000
482	0	50.00	8.0500
483	1	63.00	9.5875
484	1	25.00	91.0792
485	0	NaN	25.4667
486	1	35.00	90.0000
487	0	58.00	29.7000
488	0	30.00	8.0500
489	1	9.00	15.9000
490	0	NaN	19.9667
491	0	21.00	7.2500
492	0	55.00	30.5000
493	0	71.00	49.5042
494	0	21.00	8.0500

	Survived	Age	Fare
495	0	NaN	14.4583
496	1	54.00	78.2667
497	0	NaN	15.1000
498	0	25.00	151.5500
499	0	24.00	7.7958
500	0	17.00	8.6625
501	0	21.00	7.7500
502	0	NaN	7.6292
503	0	37.00	9.5875
504	1	16.00	86.5000
505	0	18.00	108.9000
506	1	33.00	26.0000
507	1	NaN	26.5500
508	0	28.00	22.5250
509	1	26.00	56.4958
510	1	29.00	7.7500
511	0	NaN	8.0500
512	1	36.00	26.2875
513	1	54.00	59.4000
514	0	24.00	7.4958
515	0	47.00	34.0208
516	1	34.00	10.5000
517	0	NaN	24.1500
518	1	36.00	26.0000
519	0	32.00	7.8958
520	1	30.00	93.5000
521	0	22.00	7.8958
522	0	NaN	7.2250
523	1	44.00	57.9792
524	0	NaN	7.2292
525	0	40.50	7.7500
526	1	50.00	10.5000
527	0	NaN	221.7792

	Survived	Age	Fare
528	0	39.00	7.9250
529	0	23.00	11.5000
530	1	2.00	26.0000
531	0	NaN	7.2292
532	0	17.00	7.2292
533	1	NaN	22.3583
534	0	30.00	8.6625
535	1	7.00	26.2500
536	0	45.00	26.5500
537	1	30.00	106.4250
538	0	NaN	14.5000
539	1	22.00	49.5000
540	1	36.00	71.0000
541	0	9.00	31.2750
542	0	11.00	31.2750
543	1	32.00	26.0000
544	0	50.00	106.4250
545	0	64.00	26.0000
546	1	19.00	26.0000
547	1	NaN	13.8625
548	0	33.00	20.5250
549	1	8.00	36.7500
550	1	17.00	110.8833
551	0	27.00	26.0000
552	0	NaN	7.8292
553	1	22.00	7.2250
554	1	22.00	7.7750
555	0	62.00	26.5500
556	1	48.00	39.6000
557	0	NaN	227.5250
558	1	39.00	79.6500
559	1	36.00	17.4000
560	0	NaN	7.7500

	Survived	Age	Fare
561	0	40.00	7.8958
562	0	28.00	13.5000
563	0	NaN	8.0500
564	0	NaN	8.0500
565	0	24.00	24.1500
566	0	19.00	7.8958
567	0	29.00	21.0750
568	0	NaN	7.2292
569	1	32.00	7.8542
570	1	62.00	10.5000
571	1	53.00	51.4792
572	1	36.00	26.3875
573	1	NaN	7.7500
574	0	16.00	8.0500
575	0	19.00	14.5000
576	1	34.00	13.0000
577	1	39.00	55.9000
578	0	NaN	14.4583
579	1	32.00	7.9250
580	1	25.00	30.0000
581	1	39.00	110.8833
582	0	54.00	26.0000
583	0	36.00	40.1250
584	0	NaN	8.7125
585	1	18.00	79.6500
586	0	47.00	15.0000
587	1	60.00	79.2000
588	0	22.00	8.0500
589	0	NaN	8.0500
590	0	35.00	7.1250
591	1	52.00	78.2667
592	0	47.00	7.2500
593	0	NaN	7.7500

	Survived	Age	Fare
594	0	37.00	26.0000
595	0	36.00	24.1500
596	1	NaN	33.0000
597	0	49.00	0.0000
598	0	NaN	7.2250
599	1	49.00	56.9292
600	1	24.00	27.0000
601	0	NaN	7.8958
602	0	NaN	42.4000
603	0	44.00	8.0500
604	1	35.00	26.5500
605	0	36.00	15.5500
606	0	30.00	7.8958
607	1	27.00	30.5000
608	1	22.00	41.5792
609	1	40.00	153.4625
610	0	39.00	31.2750
611	0	NaN	7.0500
612	1	NaN	15.5000
613	0	NaN	7.7500
614	0	35.00	8.0500
615	1	24.00	65.0000
616	0	34.00	14.4000
617	0	26.00	16.1000
618	1	4.00	39.0000
619	0	26.00	10.5000
620	0	27.00	14.4542
621	1	42.00	52.5542
622	1	20.00	15.7417
623	0	21.00	7.8542
624	0	21.00	16.1000
625	0	61.00	32.3208
626	0	57.00	12.3500

	Survived	Age	Fare
627	1	21.00	77.9583
628	0	26.00	7.8958
629	0	NaN	7.7333
630	1	80.00	30.0000
631	0	51.00	7.0542
632	1	32.00	30.5000
633	0	NaN	0.0000
634	0	9.00	27.9000
635	1	28.00	13.0000
636	0	32.00	7.9250
637	0	31.00	26.2500
638	0	41.00	39.6875
639	0	NaN	16.1000
640	0	20.00	7.8542
641	1	24.00	69.3000
642	0	2.00	27.9000
643	1	NaN	56.4958
644	1	0.75	19.2583
645	1	48.00	76.7292
646	0	19.00	7.8958
647	1	56.00	35.5000
648	0	NaN	7.5500
649	1	23.00	7.5500
650	0	NaN	7.8958
651	1	18.00	23.0000
652	0	21.00	8.4333
653	1	NaN	7.8292
654	0	18.00	6.7500
655	0	24.00	73.5000
656	0	NaN	7.8958
657	0	32.00	15.5000
658	0	23.00	13.0000
659	0	58.00	113.2750

	Survived	Age	Fare
660	1	50.00	133.6500
661	0	40.00	7.2250
662	0	47.00	25.5875
663	0	36.00	7.4958
664	1	20.00	7.9250
665	0	32.00	73.5000
666	0	25.00	13.0000
667	0	NaN	7.7750
668	0	43.00	8.0500
669	1	NaN	52.0000
670	1	40.00	39.0000
671	0	31.00	52.0000
672	0	70.00	10.5000
673	1	31.00	13.0000
674	0	NaN	0.0000
675	0	18.00	7.7750
676	0	24.50	8.0500
677	1	18.00	9.8417
678	0	43.00	46.9000
679	1	36.00	512.3292
680	0	NaN	8.1375
681	1	27.00	76.7292
682	0	20.00	9.2250
683	0	14.00	46.9000
684	0	60.00	39.0000
685	0	25.00	41.5792
686	0	14.00	39.6875
687	0	19.00	10.1708
688	0	18.00	7.7958
689	1	15.00	211.3375
690	1	31.00	57.0000
691	1	4.00	13.4167
692	1	NaN	56.4958

	Survived	Age	Fare
693	0	25.00	7.2250
694	0	60.00	26.5500
695	0	52.00	13.5000
696	0	44.00	8.0500
697	1	NaN	7.7333
698	0	49.00	110.8833
699	0	42.00	7.6500
700	1	18.00	227.5250
701	1	35.00	26.2875
702	0	18.00	14.4542
703	0	25.00	7.7417
704	0	26.00	7.8542
705	0	39.00	26.0000
706	1	45.00	13.5000
707	1	42.00	26.2875
708	1	22.00	151.5500
709	1	NaN	15.2458
710	1	24.00	49.5042
711	0	NaN	26.5500
712	1	48.00	52.0000
713	0	29.00	9.4833
714	0	52.00	13.0000
715	0	19.00	7.6500
716	1	38.00	227.5250
717	1	27.00	10.5000
718	0	NaN	15.5000
719	0	33.00	7.7750
720	1	6.00	33.0000
721	0	17.00	7.0542
722	0	34.00	13.0000
723	0	50.00	13.0000
724	1	27.00	53.1000
725	0	20.00	8.6625

	Survived	Age	Fare
726	1	30.00	21.0000
727	1	NaN	7.7375
728	0	25.00	26.0000
729	0	25.00	7.9250
730	1	29.00	211.3375
731	0	11.00	18.7875
732	0	NaN	0.0000
733	0	23.00	13.0000
734	0	23.00	13.0000
735	0	28.50	16.1000
736	0	48.00	34.3750
737	1	35.00	512.3292
738	0	NaN	7.8958
739	0	NaN	7.8958
740	1	NaN	30.0000
741	0	36.00	78.8500
742	1	21.00	262.3750
743	0	24.00	16.1000
744	1	31.00	7.9250
745	0	70.00	71.0000
746	0	16.00	20.2500
747	1	30.00	13.0000
748	0	19.00	53.1000
749	0	31.00	7.7500
750	1	4.00	23.0000
751	1	6.00	12.4750
752	0	33.00	9.5000
753	0	23.00	7.8958
754	1	48.00	65.0000
755	1	0.67	14.5000
756	0	28.00	7.7958
757	0	18.00	11.5000
758	0	34.00	8.0500

	Survived	Age	Fare
759	1	33.00	86.5000
760	0	NaN	14.5000
761	0	41.00	7.1250
762	1	20.00	7.2292
763	1	36.00	120.0000
764	0	16.00	7.7750
765	1	51.00	77.9583
766	0	NaN	39.6000
767	0	30.50	7.7500
768	0	NaN	24.1500
769	0	32.00	8.3625
770	0	24.00	9.5000
771	0	48.00	7.8542
772	0	57.00	10.5000
773	0	NaN	7.2250
774	1	54.00	23.0000
775	0	18.00	7.7500
776	0	NaN	7.7500
777	1	5.00	12.4750
778	0	NaN	7.7375
779	1	43.00	211.3375
780	1	13.00	7.2292
781	1	17.00	57.0000
782	0	29.00	30.0000
783	0	NaN	23.4500
784	0	25.00	7.0500
785	0	25.00	7.2500
786	1	18.00	7.4958
787	0	8.00	29.1250
788	1	1.00	20.5750
789	0	46.00	79.2000
790	0	NaN	7.7500
791	0	16.00	26.0000

	Survived	Age	Fare
792	0	NaN	69.5500
793	0	NaN	30.6958
794	0	25.00	7.8958
795	0	39.00	13.0000
796	1	49.00	25.9292
797	1	31.00	8.6833
798	0	30.00	7.2292
799	0	30.00	24.1500
800	0	34.00	13.0000
801	1	31.00	26.2500
802	1	11.00	120.0000
803	1	0.42	8.5167
804	1	27.00	6.9750
805	0	31.00	7.7750
806	0	39.00	0.0000
807	0	18.00	7.7750
808	0	39.00	13.0000
809	1	33.00	53.1000
810	0	26.00	7.8875
811	0	39.00	24.1500
812	0	35.00	10.5000
813	0	6.00	31.2750
814	0	30.50	8.0500
815	0	NaN	0.0000
816	0	23.00	7.9250
817	0	31.00	37.0042
818	0	43.00	6.4500
819	0	10.00	27.9000
820	1	52.00	93.5000
821	1	27.00	8.6625
822	0	38.00	0.0000
823	1	27.00	12.4750
824	0	2.00	39.6875

	Survived	Age	Fare
825	0	NaN	6.9500
826	0	NaN	56.4958
827	1	1.00	37.0042
828	1	NaN	7.7500
829	1	62.00	80.0000
830	1	15.00	14.4542
831	1	0.83	18.7500
832	0	NaN	7.2292
833	0	23.00	7.8542
834	0	18.00	8.3000
835	1	39.00	83.1583
836	0	21.00	8.6625
837	0	NaN	8.0500
838	1	32.00	56.4958
839	1	NaN	29.7000
840	0	20.00	7.9250
841	0	16.00	10.5000
842	1	30.00	31.0000
843	0	34.50	6.4375
844	0	17.00	8.6625
845	0	42.00	7.5500
846	0	NaN	69.5500
847	0	35.00	7.8958
848	0	28.00	33.0000
849	1	NaN	89.1042
850	0	4.00	31.2750
851	0	74.00	7.7750
852	0	9.00	15.2458
853	1	16.00	39.4000
854	0	44.00	26.0000
855	1	18.00	9.3500
856	1	45.00	164.8667
857	1	51.00	26.5500

	Survived	Age	Fare
858	1	24.00	19.2583
859	0	NaN	7.2292
860	0	41.00	14.1083
861	0	21.00	11.5000
862	1	48.00	25.9292
863	0	NaN	69.5500
864	0	24.00	13.0000
865	1	42.00	13.0000
866	1	27.00	13.8583
867	0	31.00	50.4958
868	0	NaN	9.5000
869	1	4.00	11.1333
870	0	26.00	7.8958
871	1	47.00	52.5542
872	0	33.00	5.0000
873	0	47.00	9.0000
874	1	28.00	24.0000
875	1	15.00	7.2250
876	0	20.00	9.8458
877	0	19.00	7.8958
878	0	NaN	7.8958
879	1	56.00	83.1583
880	1	25.00	26.0000
881	0	33.00	7.8958
882	0	22.00	10.5167
883	0	28.00	10.5000
884	0	25.00	7.0500
885	0	39.00	29.1250
886	0	27.00	13.0000
887	1	19.00	30.0000
888	0	NaN	23.4500
889	1	26.00	30.0000
890	0	22.00	7.7500

```
In [5]: df2.isna().sum()
```

```
Out[5]: Survived      0  
Age         177  
Fare        0  
dtype: int64
```

There are 177 missing values in the Age column.

```
In [6]: meanfill = df2.fillna(df2.mean())  
meanfill
```

Out[6]:

	Survived	Age	Fare
0	0	22.000000	7.2500
1	1	38.000000	71.2833
2	1	26.000000	7.9250
3	1	35.000000	53.1000
4	0	35.000000	8.0500
5	0	29.699118	8.4583
6	0	54.000000	51.8625
7	0	2.000000	21.0750
8	1	27.000000	11.1333
9	1	14.000000	30.0708
10	1	4.000000	16.7000
11	1	58.000000	26.5500
12	0	20.000000	8.0500
13	0	39.000000	31.2750
14	0	14.000000	7.8542
15	1	55.000000	16.0000
16	0	2.000000	29.1250
17	1	29.699118	13.0000
18	0	31.000000	18.0000
19	1	29.699118	7.2250
20	0	35.000000	26.0000
21	1	34.000000	13.0000
22	1	15.000000	8.0292
23	1	28.000000	35.5000
24	0	8.000000	21.0750
25	1	38.000000	31.3875
26	0	29.699118	7.2250
27	0	19.000000	263.0000
28	1	29.699118	7.8792
29	0	29.699118	7.8958
30	0	40.000000	27.7208
31	1	29.699118	146.5208
32	1	29.699118	7.7500

	Survived	Age	Fare
33	0	66.000000	10.5000
34	0	28.000000	82.1708
35	0	42.000000	52.0000
36	1	29.699118	7.2292
37	0	21.000000	8.0500
38	0	18.000000	18.0000
39	1	14.000000	11.2417
40	0	40.000000	9.4750
41	0	27.000000	21.0000
42	0	29.699118	7.8958
43	1	3.000000	41.5792
44	1	19.000000	7.8792
45	0	29.699118	8.0500
46	0	29.699118	15.5000
47	1	29.699118	7.7500
48	0	29.699118	21.6792
49	0	18.000000	17.8000
50	0	7.000000	39.6875
51	0	21.000000	7.8000
52	1	49.000000	76.7292
53	1	29.000000	26.0000
54	0	65.000000	61.9792
55	1	29.699118	35.5000
56	1	21.000000	10.5000
57	0	28.500000	7.2292
58	1	5.000000	27.7500
59	0	11.000000	46.9000
60	0	22.000000	7.2292
61	1	38.000000	80.0000
62	0	45.000000	83.4750
63	0	4.000000	27.9000
64	0	29.699118	27.7208
65	1	29.699118	15.2458

	Survived	Age	Fare
66	1	29.000000	10.5000
67	0	19.000000	8.1583
68	1	17.000000	7.9250
69	0	26.000000	8.6625
70	0	32.000000	10.5000
71	0	16.000000	46.9000
72	0	21.000000	73.5000
73	0	26.000000	14.4542
74	1	32.000000	56.4958
75	0	25.000000	7.6500
76	0	29.699118	7.8958
77	0	29.699118	8.0500
78	1	0.830000	29.0000
79	1	30.000000	12.4750
80	0	22.000000	9.0000
81	1	29.000000	9.5000
82	1	29.699118	7.7875
83	0	28.000000	47.1000
84	1	17.000000	10.5000
85	1	33.000000	15.8500
86	0	16.000000	34.3750
87	0	29.699118	8.0500
88	1	23.000000	263.0000
89	0	24.000000	8.0500
90	0	29.000000	8.0500
91	0	20.000000	7.8542
92	0	46.000000	61.1750
93	0	26.000000	20.5750
94	0	59.000000	7.2500
95	0	29.699118	8.0500
96	0	71.000000	34.6542
97	1	23.000000	63.3583
98	1	34.000000	23.0000

	Survived	Age	Fare
99	0	34.000000	26.0000
100	0	28.000000	7.8958
101	0	29.699118	7.8958
102	0	21.000000	77.2875
103	0	33.000000	8.6542
104	0	37.000000	7.9250
105	0	28.000000	7.8958
106	1	21.000000	7.6500
107	1	29.699118	7.7750
108	0	38.000000	7.8958
109	1	29.699118	24.1500
110	0	47.000000	52.0000
111	0	14.500000	14.4542
112	0	22.000000	8.0500
113	0	20.000000	9.8250
114	0	17.000000	14.4583
115	0	21.000000	7.9250
116	0	70.500000	7.7500
117	0	29.000000	21.0000
118	0	24.000000	247.5208
119	0	2.000000	31.2750
120	0	21.000000	73.5000
121	0	29.699118	8.0500
122	0	32.500000	30.0708
123	1	32.500000	13.0000
124	0	54.000000	77.2875
125	1	12.000000	11.2417
126	0	29.699118	7.7500
127	1	24.000000	7.1417
128	1	29.699118	22.3583
129	0	45.000000	6.9750
130	0	33.000000	7.8958
131	0	20.000000	7.0500

	Survived	Age	Fare
132	0	47.000000	14.5000
133	1	29.000000	26.0000
134	0	25.000000	13.0000
135	0	23.000000	15.0458
136	1	19.000000	26.2833
137	0	37.000000	53.1000
138	0	16.000000	9.2167
139	0	24.000000	79.2000
140	0	29.699118	15.2458
141	1	22.000000	7.7500
142	1	24.000000	15.8500
143	0	19.000000	6.7500
144	0	18.000000	11.5000
145	0	19.000000	36.7500
146	1	27.000000	7.7958
147	0	9.000000	34.3750
148	0	36.500000	26.0000
149	0	42.000000	13.0000
150	0	51.000000	12.5250
151	1	22.000000	66.6000
152	0	55.500000	8.0500
153	0	40.500000	14.5000
154	0	29.699118	7.3125
155	0	51.000000	61.3792
156	1	16.000000	7.7333
157	0	30.000000	8.0500
158	0	29.699118	8.6625
159	0	29.699118	69.5500
160	0	44.000000	16.1000
161	1	40.000000	15.7500
162	0	26.000000	7.7750
163	0	17.000000	8.6625
164	0	1.000000	39.6875

	Survived	Age	Fare
165	1	9.000000	20.5250
166	1	29.699118	55.0000
167	0	45.000000	27.9000
168	0	29.699118	25.9250
169	0	28.000000	56.4958
170	0	61.000000	33.5000
171	0	4.000000	29.1250
172	1	1.000000	11.1333
173	0	21.000000	7.9250
174	0	56.000000	30.6958
175	0	18.000000	7.8542
176	0	29.699118	25.4667
177	0	50.000000	28.7125
178	0	30.000000	13.0000
179	0	36.000000	0.0000
180	0	29.699118	69.5500
181	0	29.699118	15.0500
182	0	9.000000	31.3875
183	1	1.000000	39.0000
184	1	4.000000	22.0250
185	0	29.699118	50.0000
186	1	29.699118	15.5000
187	1	45.000000	26.5500
188	0	40.000000	15.5000
189	0	36.000000	7.8958
190	1	32.000000	13.0000
191	0	19.000000	13.0000
192	1	19.000000	7.8542
193	1	3.000000	26.0000
194	1	44.000000	27.7208
195	1	58.000000	146.5208
196	0	29.699118	7.7500
197	0	42.000000	8.4042

	Survived	Age	Fare
198	1	29.699118	7.7500
199	0	24.000000	13.0000
200	0	28.000000	9.5000
201	0	29.699118	69.5500
202	0	34.000000	6.4958
203	0	45.500000	7.2250
204	1	18.000000	8.0500
205	0	2.000000	10.4625
206	0	32.000000	15.8500
207	1	26.000000	18.7875
208	1	16.000000	7.7500
209	1	40.000000	31.0000
210	0	24.000000	7.0500
211	1	35.000000	21.0000
212	0	22.000000	7.2500
213	0	30.000000	13.0000
214	0	29.699118	7.7500
215	1	31.000000	113.2750
216	1	27.000000	7.9250
217	0	42.000000	27.0000
218	1	32.000000	76.2917
219	0	30.000000	10.5000
220	1	16.000000	8.0500
221	0	27.000000	13.0000
222	0	51.000000	8.0500
223	0	29.699118	7.8958
224	1	38.000000	90.0000
225	0	22.000000	9.3500
226	1	19.000000	10.5000
227	0	20.500000	7.2500
228	0	18.000000	13.0000
229	0	29.699118	25.4667
230	1	35.000000	83.4750

	Survived	Age	Fare
231	0	29.000000	7.7750
232	0	59.000000	13.5000
233	1	5.000000	31.3875
234	0	24.000000	10.5000
235	0	29.699118	7.5500
236	0	44.000000	26.0000
237	1	8.000000	26.2500
238	0	19.000000	10.5000
239	0	33.000000	12.2750
240	0	29.699118	14.4542
241	1	29.699118	15.5000
242	0	29.000000	10.5000
243	0	22.000000	7.1250
244	0	30.000000	7.2250
245	0	44.000000	90.0000
246	0	25.000000	7.7750
247	1	24.000000	14.5000
248	1	37.000000	52.5542
249	0	54.000000	26.0000
250	0	29.699118	7.2500
251	0	29.000000	10.4625
252	0	62.000000	26.5500
253	0	30.000000	16.1000
254	0	41.000000	20.2125
255	1	29.000000	15.2458
256	1	29.699118	79.2000
257	1	30.000000	86.5000
258	1	35.000000	512.3292
259	1	50.000000	26.0000
260	0	29.699118	7.7500
261	1	3.000000	31.3875
262	0	52.000000	79.6500
263	0	40.000000	0.0000

	Survived	Age	Fare
264	0	29.699118	7.7500
265	0	36.000000	10.5000
266	0	16.000000	39.6875
267	1	25.000000	7.7750
268	1	58.000000	153.4625
269	1	35.000000	135.6333
270	0	29.699118	31.0000
271	1	25.000000	0.0000
272	1	41.000000	19.5000
273	0	37.000000	29.7000
274	1	29.699118	7.7500
275	1	63.000000	77.9583
276	0	45.000000	7.7500
277	0	29.699118	0.0000
278	0	7.000000	29.1250
279	1	35.000000	20.2500
280	0	65.000000	7.7500
281	0	28.000000	7.8542
282	0	16.000000	9.5000
283	1	19.000000	8.0500
284	0	29.699118	26.0000
285	0	33.000000	8.6625
286	1	30.000000	9.5000
287	0	22.000000	7.8958
288	1	42.000000	13.0000
289	1	22.000000	7.7500
290	1	26.000000	78.8500
291	1	19.000000	91.0792
292	0	36.000000	12.8750
293	0	24.000000	8.8500
294	0	24.000000	7.8958
295	0	29.699118	27.7208
296	0	23.500000	7.2292

	Survived	Age	Fare
297	0	2.000000	151.5500
298	1	29.699118	30.5000
299	1	50.000000	247.5208
300	1	29.699118	7.7500
301	1	29.699118	23.2500
302	0	19.000000	0.0000
303	1	29.699118	12.3500
304	0	29.699118	8.0500
305	1	0.920000	151.5500
306	1	29.699118	110.8833
307	1	17.000000	108.9000
308	0	30.000000	24.0000
309	1	30.000000	56.9292
310	1	24.000000	83.1583
311	1	18.000000	262.3750
312	0	26.000000	26.0000
313	0	28.000000	7.8958
314	0	43.000000	26.2500
315	1	26.000000	7.8542
316	1	24.000000	26.0000
317	0	54.000000	14.0000
318	1	31.000000	164.8667
319	1	40.000000	134.5000
320	0	22.000000	7.2500
321	0	27.000000	7.8958
322	1	30.000000	12.3500
323	1	22.000000	29.0000
324	0	29.699118	69.5500
325	1	36.000000	135.6333
326	0	61.000000	6.2375
327	1	36.000000	13.0000
328	1	31.000000	20.5250
329	1	16.000000	57.9792

	Survived	Age	Fare
330	1	29.699118	23.2500
331	0	45.500000	28.5000
332	0	38.000000	153.4625
333	0	16.000000	18.0000
334	1	29.699118	133.6500
335	0	29.699118	7.8958
336	0	29.000000	66.6000
337	1	41.000000	134.5000
338	1	45.000000	8.0500
339	0	45.000000	35.5000
340	1	2.000000	26.0000
341	1	24.000000	263.0000
342	0	28.000000	13.0000
343	0	25.000000	13.0000
344	0	36.000000	13.0000
345	1	24.000000	13.0000
346	1	40.000000	13.0000
347	1	29.699118	16.1000
348	1	3.000000	15.9000
349	0	42.000000	8.6625
350	0	23.000000	9.2250
351	0	29.699118	35.0000
352	0	15.000000	7.2292
353	0	25.000000	17.8000
354	0	29.699118	7.2250
355	0	28.000000	9.5000
356	1	22.000000	55.0000
357	0	38.000000	13.0000
358	1	29.699118	7.8792
359	1	29.699118	7.8792
360	0	40.000000	27.9000
361	0	29.000000	27.7208
362	0	45.000000	14.4542

	Survived	Age	Fare
363	0	35.000000	7.0500
364	0	29.699118	15.5000
365	0	30.000000	7.2500
366	1	60.000000	75.2500
367	1	29.699118	7.2292
368	1	29.699118	7.7500
369	1	24.000000	69.3000
370	1	25.000000	55.4417
371	0	18.000000	6.4958
372	0	19.000000	8.0500
373	0	22.000000	135.6333
374	0	3.000000	21.0750
375	1	29.699118	82.1708
376	1	22.000000	7.2500
377	0	27.000000	211.5000
378	0	20.000000	4.0125
379	0	19.000000	7.7750
380	1	42.000000	227.5250
381	1	1.000000	15.7417
382	0	32.000000	7.9250
383	1	35.000000	52.0000
384	0	29.699118	7.8958
385	0	18.000000	73.5000
386	0	1.000000	46.9000
387	1	36.000000	13.0000
388	0	29.699118	7.7292
389	1	17.000000	12.0000
390	1	36.000000	120.0000
391	1	21.000000	7.7958
392	0	28.000000	7.9250
393	1	23.000000	113.2750
394	1	24.000000	16.7000
395	0	22.000000	7.7958

	Survived	Age	Fare
396	0	31.000000	7.8542
397	0	46.000000	26.0000
398	0	23.000000	10.5000
399	1	28.000000	12.6500
400	1	39.000000	7.9250
401	0	26.000000	8.0500
402	0	21.000000	9.8250
403	0	28.000000	15.8500
404	0	20.000000	8.6625
405	0	34.000000	21.0000
406	0	51.000000	7.7500
407	1	3.000000	18.7500
408	0	21.000000	7.7750
409	0	29.699118	25.4667
410	0	29.699118	7.8958
411	0	29.699118	6.8583
412	1	33.000000	90.0000
413	0	29.699118	0.0000
414	1	44.000000	7.9250
415	0	29.699118	8.0500
416	1	34.000000	32.5000
417	1	18.000000	13.0000
418	0	30.000000	13.0000
419	0	10.000000	24.1500
420	0	29.699118	7.8958
421	0	21.000000	7.7333
422	0	29.000000	7.8750
423	0	28.000000	14.4000
424	0	18.000000	20.2125
425	0	29.699118	7.2500
426	1	28.000000	26.0000
427	1	19.000000	26.0000
428	0	29.699118	7.7500

	Survived	Age	Fare
429	1	32.000000	8.0500
430	1	28.000000	26.5500
431	1	29.699118	16.1000
432	1	42.000000	26.0000
433	0	17.000000	7.1250
434	0	50.000000	55.9000
435	1	14.000000	120.0000
436	0	21.000000	34.3750
437	1	24.000000	18.7500
438	0	64.000000	263.0000
439	0	31.000000	10.5000
440	1	45.000000	26.2500
441	0	20.000000	9.5000
442	0	25.000000	7.7750
443	1	28.000000	13.0000
444	1	29.699118	8.1125
445	1	4.000000	81.8583
446	1	13.000000	19.5000
447	1	34.000000	26.5500
448	1	5.000000	19.2583
449	1	52.000000	30.5000
450	0	36.000000	27.7500
451	0	29.699118	19.9667
452	0	30.000000	27.7500
453	1	49.000000	89.1042
454	0	29.699118	8.0500
455	1	29.000000	7.8958
456	0	65.000000	26.5500
457	1	29.699118	51.8625
458	1	50.000000	10.5000
459	0	29.699118	7.7500
460	1	48.000000	26.5500
461	0	34.000000	8.0500

	Survived	Age	Fare
462	0	47.000000	38.5000
463	0	48.000000	13.0000
464	0	29.699118	8.0500
465	0	38.000000	7.0500
466	0	29.699118	0.0000
467	0	56.000000	26.5500
468	0	29.699118	7.7250
469	1	0.750000	19.2583
470	0	29.699118	7.2500
471	0	38.000000	8.6625
472	1	33.000000	27.7500
473	1	23.000000	13.7917
474	0	22.000000	9.8375
475	0	29.699118	52.0000
476	0	34.000000	21.0000
477	0	29.000000	7.0458
478	0	22.000000	7.5208
479	1	2.000000	12.2875
480	0	9.000000	46.9000
481	0	29.699118	0.0000
482	0	50.000000	8.0500
483	1	63.000000	9.5875
484	1	25.000000	91.0792
485	0	29.699118	25.4667
486	1	35.000000	90.0000
487	0	58.000000	29.7000
488	0	30.000000	8.0500
489	1	9.000000	15.9000
490	0	29.699118	19.9667
491	0	21.000000	7.2500
492	0	55.000000	30.5000
493	0	71.000000	49.5042
494	0	21.000000	8.0500

	Survived	Age	Fare
495	0	29.699118	14.4583
496	1	54.000000	78.2667
497	0	29.699118	15.1000
498	0	25.000000	151.5500
499	0	24.000000	7.7958
500	0	17.000000	8.6625
501	0	21.000000	7.7500
502	0	29.699118	7.6292
503	0	37.000000	9.5875
504	1	16.000000	86.5000
505	0	18.000000	108.9000
506	1	33.000000	26.0000
507	1	29.699118	26.5500
508	0	28.000000	22.5250
509	1	26.000000	56.4958
510	1	29.000000	7.7500
511	0	29.699118	8.0500
512	1	36.000000	26.2875
513	1	54.000000	59.4000
514	0	24.000000	7.4958
515	0	47.000000	34.0208
516	1	34.000000	10.5000
517	0	29.699118	24.1500
518	1	36.000000	26.0000
519	0	32.000000	7.8958
520	1	30.000000	93.5000
521	0	22.000000	7.8958
522	0	29.699118	7.2250
523	1	44.000000	57.9792
524	0	29.699118	7.2292
525	0	40.500000	7.7500
526	1	50.000000	10.5000
527	0	29.699118	221.7792

	Survived	Age	Fare
528	0	39.000000	7.9250
529	0	23.000000	11.5000
530	1	2.000000	26.0000
531	0	29.699118	7.2292
532	0	17.000000	7.2292
533	1	29.699118	22.3583
534	0	30.000000	8.6625
535	1	7.000000	26.2500
536	0	45.000000	26.5500
537	1	30.000000	106.4250
538	0	29.699118	14.5000
539	1	22.000000	49.5000
540	1	36.000000	71.0000
541	0	9.000000	31.2750
542	0	11.000000	31.2750
543	1	32.000000	26.0000
544	0	50.000000	106.4250
545	0	64.000000	26.0000
546	1	19.000000	26.0000
547	1	29.699118	13.8625
548	0	33.000000	20.5250
549	1	8.000000	36.7500
550	1	17.000000	110.8833
551	0	27.000000	26.0000
552	0	29.699118	7.8292
553	1	22.000000	7.2250
554	1	22.000000	7.7750
555	0	62.000000	26.5500
556	1	48.000000	39.6000
557	0	29.699118	227.5250
558	1	39.000000	79.6500
559	1	36.000000	17.4000
560	0	29.699118	7.7500

	Survived	Age	Fare
561	0	40.000000	7.8958
562	0	28.000000	13.5000
563	0	29.699118	8.0500
564	0	29.699118	8.0500
565	0	24.000000	24.1500
566	0	19.000000	7.8958
567	0	29.000000	21.0750
568	0	29.699118	7.2292
569	1	32.000000	7.8542
570	1	62.000000	10.5000
571	1	53.000000	51.4792
572	1	36.000000	26.3875
573	1	29.699118	7.7500
574	0	16.000000	8.0500
575	0	19.000000	14.5000
576	1	34.000000	13.0000
577	1	39.000000	55.9000
578	0	29.699118	14.4583
579	1	32.000000	7.9250
580	1	25.000000	30.0000
581	1	39.000000	110.8833
582	0	54.000000	26.0000
583	0	36.000000	40.1250
584	0	29.699118	8.7125
585	1	18.000000	79.6500
586	0	47.000000	15.0000
587	1	60.000000	79.2000
588	0	22.000000	8.0500
589	0	29.699118	8.0500
590	0	35.000000	7.1250
591	1	52.000000	78.2667
592	0	47.000000	7.2500
593	0	29.699118	7.7500

	Survived	Age	Fare
594	0	37.000000	26.0000
595	0	36.000000	24.1500
596	1	29.699118	33.0000
597	0	49.000000	0.0000
598	0	29.699118	7.2250
599	1	49.000000	56.9292
600	1	24.000000	27.0000
601	0	29.699118	7.8958
602	0	29.699118	42.4000
603	0	44.000000	8.0500
604	1	35.000000	26.5500
605	0	36.000000	15.5500
606	0	30.000000	7.8958
607	1	27.000000	30.5000
608	1	22.000000	41.5792
609	1	40.000000	153.4625
610	0	39.000000	31.2750
611	0	29.699118	7.0500
612	1	29.699118	15.5000
613	0	29.699118	7.7500
614	0	35.000000	8.0500
615	1	24.000000	65.0000
616	0	34.000000	14.4000
617	0	26.000000	16.1000
618	1	4.000000	39.0000
619	0	26.000000	10.5000
620	0	27.000000	14.4542
621	1	42.000000	52.5542
622	1	20.000000	15.7417
623	0	21.000000	7.8542
624	0	21.000000	16.1000
625	0	61.000000	32.3208
626	0	57.000000	12.3500

	Survived	Age	Fare
627	1	21.000000	77.9583
628	0	26.000000	7.8958
629	0	29.699118	7.7333
630	1	80.000000	30.0000
631	0	51.000000	7.0542
632	1	32.000000	30.5000
633	0	29.699118	0.0000
634	0	9.000000	27.9000
635	1	28.000000	13.0000
636	0	32.000000	7.9250
637	0	31.000000	26.2500
638	0	41.000000	39.6875
639	0	29.699118	16.1000
640	0	20.000000	7.8542
641	1	24.000000	69.3000
642	0	2.000000	27.9000
643	1	29.699118	56.4958
644	1	0.750000	19.2583
645	1	48.000000	76.7292
646	0	19.000000	7.8958
647	1	56.000000	35.5000
648	0	29.699118	7.5500
649	1	23.000000	7.5500
650	0	29.699118	7.8958
651	1	18.000000	23.0000
652	0	21.000000	8.4333
653	1	29.699118	7.8292
654	0	18.000000	6.7500
655	0	24.000000	73.5000
656	0	29.699118	7.8958
657	0	32.000000	15.5000
658	0	23.000000	13.0000
659	0	58.000000	113.2750

	Survived	Age	Fare
660	1	50.000000	133.6500
661	0	40.000000	7.2250
662	0	47.000000	25.5875
663	0	36.000000	7.4958
664	1	20.000000	7.9250
665	0	32.000000	73.5000
666	0	25.000000	13.0000
667	0	29.699118	7.7750
668	0	43.000000	8.0500
669	1	29.699118	52.0000
670	1	40.000000	39.0000
671	0	31.000000	52.0000
672	0	70.000000	10.5000
673	1	31.000000	13.0000
674	0	29.699118	0.0000
675	0	18.000000	7.7750
676	0	24.500000	8.0500
677	1	18.000000	9.8417
678	0	43.000000	46.9000
679	1	36.000000	512.3292
680	0	29.699118	8.1375
681	1	27.000000	76.7292
682	0	20.000000	9.2250
683	0	14.000000	46.9000
684	0	60.000000	39.0000
685	0	25.000000	41.5792
686	0	14.000000	39.6875
687	0	19.000000	10.1708
688	0	18.000000	7.7958
689	1	15.000000	211.3375
690	1	31.000000	57.0000
691	1	4.000000	13.4167
692	1	29.699118	56.4958

	Survived	Age	Fare
693	0	25.000000	7.2250
694	0	60.000000	26.5500
695	0	52.000000	13.5000
696	0	44.000000	8.0500
697	1	29.699118	7.7333
698	0	49.000000	110.8833
699	0	42.000000	7.6500
700	1	18.000000	227.5250
701	1	35.000000	26.2875
702	0	18.000000	14.4542
703	0	25.000000	7.7417
704	0	26.000000	7.8542
705	0	39.000000	26.0000
706	1	45.000000	13.5000
707	1	42.000000	26.2875
708	1	22.000000	151.5500
709	1	29.699118	15.2458
710	1	24.000000	49.5042
711	0	29.699118	26.5500
712	1	48.000000	52.0000
713	0	29.000000	9.4833
714	0	52.000000	13.0000
715	0	19.000000	7.6500
716	1	38.000000	227.5250
717	1	27.000000	10.5000
718	0	29.699118	15.5000
719	0	33.000000	7.7750
720	1	6.000000	33.0000
721	0	17.000000	7.0542
722	0	34.000000	13.0000
723	0	50.000000	13.0000
724	1	27.000000	53.1000
725	0	20.000000	8.6625

	Survived	Age	Fare
726	1	30.000000	21.0000
727	1	29.699118	7.7375
728	0	25.000000	26.0000
729	0	25.000000	7.9250
730	1	29.000000	211.3375
731	0	11.000000	18.7875
732	0	29.699118	0.0000
733	0	23.000000	13.0000
734	0	23.000000	13.0000
735	0	28.500000	16.1000
736	0	48.000000	34.3750
737	1	35.000000	512.3292
738	0	29.699118	7.8958
739	0	29.699118	7.8958
740	1	29.699118	30.0000
741	0	36.000000	78.8500
742	1	21.000000	262.3750
743	0	24.000000	16.1000
744	1	31.000000	7.9250
745	0	70.000000	71.0000
746	0	16.000000	20.2500
747	1	30.000000	13.0000
748	0	19.000000	53.1000
749	0	31.000000	7.7500
750	1	4.000000	23.0000
751	1	6.000000	12.4750
752	0	33.000000	9.5000
753	0	23.000000	7.8958
754	1	48.000000	65.0000
755	1	0.670000	14.5000
756	0	28.000000	7.7958
757	0	18.000000	11.5000
758	0	34.000000	8.0500

	Survived	Age	Fare
759	1	33.000000	86.5000
760	0	29.699118	14.5000
761	0	41.000000	7.1250
762	1	20.000000	7.2292
763	1	36.000000	120.0000
764	0	16.000000	7.7750
765	1	51.000000	77.9583
766	0	29.699118	39.6000
767	0	30.500000	7.7500
768	0	29.699118	24.1500
769	0	32.000000	8.3625
770	0	24.000000	9.5000
771	0	48.000000	7.8542
772	0	57.000000	10.5000
773	0	29.699118	7.2250
774	1	54.000000	23.0000
775	0	18.000000	7.7500
776	0	29.699118	7.7500
777	1	5.000000	12.4750
778	0	29.699118	7.7375
779	1	43.000000	211.3375
780	1	13.000000	7.2292
781	1	17.000000	57.0000
782	0	29.000000	30.0000
783	0	29.699118	23.4500
784	0	25.000000	7.0500
785	0	25.000000	7.2500
786	1	18.000000	7.4958
787	0	8.000000	29.1250
788	1	1.000000	20.5750
789	0	46.000000	79.2000
790	0	29.699118	7.7500
791	0	16.000000	26.0000

	Survived	Age	Fare
792	0	29.699118	69.5500
793	0	29.699118	30.6958
794	0	25.000000	7.8958
795	0	39.000000	13.0000
796	1	49.000000	25.9292
797	1	31.000000	8.6833
798	0	30.000000	7.2292
799	0	30.000000	24.1500
800	0	34.000000	13.0000
801	1	31.000000	26.2500
802	1	11.000000	120.0000
803	1	0.420000	8.5167
804	1	27.000000	6.9750
805	0	31.000000	7.7750
806	0	39.000000	0.0000
807	0	18.000000	7.7750
808	0	39.000000	13.0000
809	1	33.000000	53.1000
810	0	26.000000	7.8875
811	0	39.000000	24.1500
812	0	35.000000	10.5000
813	0	6.000000	31.2750
814	0	30.500000	8.0500
815	0	29.699118	0.0000
816	0	23.000000	7.9250
817	0	31.000000	37.0042
818	0	43.000000	6.4500
819	0	10.000000	27.9000
820	1	52.000000	93.5000
821	1	27.000000	8.6625
822	0	38.000000	0.0000
823	1	27.000000	12.4750
824	0	2.000000	39.6875

	Survived	Age	Fare
825	0	29.699118	6.9500
826	0	29.699118	56.4958
827	1	1.000000	37.0042
828	1	29.699118	7.7500
829	1	62.000000	80.0000
830	1	15.000000	14.4542
831	1	0.830000	18.7500
832	0	29.699118	7.2292
833	0	23.000000	7.8542
834	0	18.000000	8.3000
835	1	39.000000	83.1583
836	0	21.000000	8.6625
837	0	29.699118	8.0500
838	1	32.000000	56.4958
839	1	29.699118	29.7000
840	0	20.000000	7.9250
841	0	16.000000	10.5000
842	1	30.000000	31.0000
843	0	34.500000	6.4375
844	0	17.000000	8.6625
845	0	42.000000	7.5500
846	0	29.699118	69.5500
847	0	35.000000	7.8958
848	0	28.000000	33.0000
849	1	29.699118	89.1042
850	0	4.000000	31.2750
851	0	74.000000	7.7750
852	0	9.000000	15.2458
853	1	16.000000	39.4000
854	0	44.000000	26.0000
855	1	18.000000	9.3500
856	1	45.000000	164.8667
857	1	51.000000	26.5500

	Survived	Age	Fare
858	1	24.000000	19.2583
859	0	29.699118	7.2292
860	0	41.000000	14.1083
861	0	21.000000	11.5000
862	1	48.000000	25.9292
863	0	29.699118	69.5500
864	0	24.000000	13.0000
865	1	42.000000	13.0000
866	1	27.000000	13.8583
867	0	31.000000	50.4958
868	0	29.699118	9.5000
869	1	4.000000	11.1333
870	0	26.000000	7.8958
871	1	47.000000	52.5542
872	0	33.000000	5.0000
873	0	47.000000	9.0000
874	1	28.000000	24.0000
875	1	15.000000	7.2250
876	0	20.000000	9.8458
877	0	19.000000	7.8958
878	0	29.699118	7.8958
879	1	56.000000	83.1583
880	1	25.000000	26.0000
881	0	33.000000	7.8958
882	0	22.000000	10.5167
883	0	28.000000	10.5000
884	0	25.000000	7.0500
885	0	39.000000	29.1250
886	0	27.000000	13.0000
887	1	19.000000	30.0000
888	0	29.699118	23.4500
889	1	26.000000	30.0000
890	0	22.000000	7.7500

```
In [7]: median = df2['Age'].median()  
median
```

```
Out[7]: 28.0
```

```
In [8]: medianfill = df2.fillna(median)  
medianfill
```

Out[8]:

	Survived	Age	Fare
0	0	22.00	7.2500
1	1	38.00	71.2833
2	1	26.00	7.9250
3	1	35.00	53.1000
4	0	35.00	8.0500
5	0	28.00	8.4583
6	0	54.00	51.8625
7	0	2.00	21.0750
8	1	27.00	11.1333
9	1	14.00	30.0708
10	1	4.00	16.7000
11	1	58.00	26.5500
12	0	20.00	8.0500
13	0	39.00	31.2750
14	0	14.00	7.8542
15	1	55.00	16.0000
16	0	2.00	29.1250
17	1	28.00	13.0000
18	0	31.00	18.0000
19	1	28.00	7.2250
20	0	35.00	26.0000
21	1	34.00	13.0000
22	1	15.00	8.0292
23	1	28.00	35.5000
24	0	8.00	21.0750
25	1	38.00	31.3875
26	0	28.00	7.2250
27	0	19.00	263.0000
28	1	28.00	7.8792
29	0	28.00	7.8958
30	0	40.00	27.7208
31	1	28.00	146.5208
32	1	28.00	7.7500

	Survived	Age	Fare
33	0	66.00	10.5000
34	0	28.00	82.1708
35	0	42.00	52.0000
36	1	28.00	7.2292
37	0	21.00	8.0500
38	0	18.00	18.0000
39	1	14.00	11.2417
40	0	40.00	9.4750
41	0	27.00	21.0000
42	0	28.00	7.8958
43	1	3.00	41.5792
44	1	19.00	7.8792
45	0	28.00	8.0500
46	0	28.00	15.5000
47	1	28.00	7.7500
48	0	28.00	21.6792
49	0	18.00	17.8000
50	0	7.00	39.6875
51	0	21.00	7.8000
52	1	49.00	76.7292
53	1	29.00	26.0000
54	0	65.00	61.9792
55	1	28.00	35.5000
56	1	21.00	10.5000
57	0	28.50	7.2292
58	1	5.00	27.7500
59	0	11.00	46.9000
60	0	22.00	7.2292
61	1	38.00	80.0000
62	0	45.00	83.4750
63	0	4.00	27.9000
64	0	28.00	27.7208
65	1	28.00	15.2458

	Survived	Age	Fare
66	1	29.00	10.5000
67	0	19.00	8.1583
68	1	17.00	7.9250
69	0	26.00	8.6625
70	0	32.00	10.5000
71	0	16.00	46.9000
72	0	21.00	73.5000
73	0	26.00	14.4542
74	1	32.00	56.4958
75	0	25.00	7.6500
76	0	28.00	7.8958
77	0	28.00	8.0500
78	1	0.83	29.0000
79	1	30.00	12.4750
80	0	22.00	9.0000
81	1	29.00	9.5000
82	1	28.00	7.7875
83	0	28.00	47.1000
84	1	17.00	10.5000
85	1	33.00	15.8500
86	0	16.00	34.3750
87	0	28.00	8.0500
88	1	23.00	263.0000
89	0	24.00	8.0500
90	0	29.00	8.0500
91	0	20.00	7.8542
92	0	46.00	61.1750
93	0	26.00	20.5750
94	0	59.00	7.2500
95	0	28.00	8.0500
96	0	71.00	34.6542
97	1	23.00	63.3583
98	1	34.00	23.0000

	Survived	Age	Fare
99	0	34.00	26.0000
100	0	28.00	7.8958
101	0	28.00	7.8958
102	0	21.00	77.2875
103	0	33.00	8.6542
104	0	37.00	7.9250
105	0	28.00	7.8958
106	1	21.00	7.6500
107	1	28.00	7.7750
108	0	38.00	7.8958
109	1	28.00	24.1500
110	0	47.00	52.0000
111	0	14.50	14.4542
112	0	22.00	8.0500
113	0	20.00	9.8250
114	0	17.00	14.4583
115	0	21.00	7.9250
116	0	70.50	7.7500
117	0	29.00	21.0000
118	0	24.00	247.5208
119	0	2.00	31.2750
120	0	21.00	73.5000
121	0	28.00	8.0500
122	0	32.50	30.0708
123	1	32.50	13.0000
124	0	54.00	77.2875
125	1	12.00	11.2417
126	0	28.00	7.7500
127	1	24.00	7.1417
128	1	28.00	22.3583
129	0	45.00	6.9750
130	0	33.00	7.8958
131	0	20.00	7.0500

	Survived	Age	Fare
132	0	47.00	14.5000
133	1	29.00	26.0000
134	0	25.00	13.0000
135	0	23.00	15.0458
136	1	19.00	26.2833
137	0	37.00	53.1000
138	0	16.00	9.2167
139	0	24.00	79.2000
140	0	28.00	15.2458
141	1	22.00	7.7500
142	1	24.00	15.8500
143	0	19.00	6.7500
144	0	18.00	11.5000
145	0	19.00	36.7500
146	1	27.00	7.7958
147	0	9.00	34.3750
148	0	36.50	26.0000
149	0	42.00	13.0000
150	0	51.00	12.5250
151	1	22.00	66.6000
152	0	55.50	8.0500
153	0	40.50	14.5000
154	0	28.00	7.3125
155	0	51.00	61.3792
156	1	16.00	7.7333
157	0	30.00	8.0500
158	0	28.00	8.6625
159	0	28.00	69.5500
160	0	44.00	16.1000
161	1	40.00	15.7500
162	0	26.00	7.7750
163	0	17.00	8.6625
164	0	1.00	39.6875

	Survived	Age	Fare
165	1	9.00	20.5250
166	1	28.00	55.0000
167	0	45.00	27.9000
168	0	28.00	25.9250
169	0	28.00	56.4958
170	0	61.00	33.5000
171	0	4.00	29.1250
172	1	1.00	11.1333
173	0	21.00	7.9250
174	0	56.00	30.6958
175	0	18.00	7.8542
176	0	28.00	25.4667
177	0	50.00	28.7125
178	0	30.00	13.0000
179	0	36.00	0.0000
180	0	28.00	69.5500
181	0	28.00	15.0500
182	0	9.00	31.3875
183	1	1.00	39.0000
184	1	4.00	22.0250
185	0	28.00	50.0000
186	1	28.00	15.5000
187	1	45.00	26.5500
188	0	40.00	15.5000
189	0	36.00	7.8958
190	1	32.00	13.0000
191	0	19.00	13.0000
192	1	19.00	7.8542
193	1	3.00	26.0000
194	1	44.00	27.7208
195	1	58.00	146.5208
196	0	28.00	7.7500
197	0	42.00	8.4042

	Survived	Age	Fare
198	1	28.00	7.7500
199	0	24.00	13.0000
200	0	28.00	9.5000
201	0	28.00	69.5500
202	0	34.00	6.4958
203	0	45.50	7.2250
204	1	18.00	8.0500
205	0	2.00	10.4625
206	0	32.00	15.8500
207	1	26.00	18.7875
208	1	16.00	7.7500
209	1	40.00	31.0000
210	0	24.00	7.0500
211	1	35.00	21.0000
212	0	22.00	7.2500
213	0	30.00	13.0000
214	0	28.00	7.7500
215	1	31.00	113.2750
216	1	27.00	7.9250
217	0	42.00	27.0000
218	1	32.00	76.2917
219	0	30.00	10.5000
220	1	16.00	8.0500
221	0	27.00	13.0000
222	0	51.00	8.0500
223	0	28.00	7.8958
224	1	38.00	90.0000
225	0	22.00	9.3500
226	1	19.00	10.5000
227	0	20.50	7.2500
228	0	18.00	13.0000
229	0	28.00	25.4667
230	1	35.00	83.4750

	Survived	Age	Fare
231	0	29.00	7.7750
232	0	59.00	13.5000
233	1	5.00	31.3875
234	0	24.00	10.5000
235	0	28.00	7.5500
236	0	44.00	26.0000
237	1	8.00	26.2500
238	0	19.00	10.5000
239	0	33.00	12.2750
240	0	28.00	14.4542
241	1	28.00	15.5000
242	0	29.00	10.5000
243	0	22.00	7.1250
244	0	30.00	7.2250
245	0	44.00	90.0000
246	0	25.00	7.7750
247	1	24.00	14.5000
248	1	37.00	52.5542
249	0	54.00	26.0000
250	0	28.00	7.2500
251	0	29.00	10.4625
252	0	62.00	26.5500
253	0	30.00	16.1000
254	0	41.00	20.2125
255	1	29.00	15.2458
256	1	28.00	79.2000
257	1	30.00	86.5000
258	1	35.00	512.3292
259	1	50.00	26.0000
260	0	28.00	7.7500
261	1	3.00	31.3875
262	0	52.00	79.6500
263	0	40.00	0.0000

	Survived	Age	Fare
264	0	28.00	7.7500
265	0	36.00	10.5000
266	0	16.00	39.6875
267	1	25.00	7.7750
268	1	58.00	153.4625
269	1	35.00	135.6333
270	0	28.00	31.0000
271	1	25.00	0.0000
272	1	41.00	19.5000
273	0	37.00	29.7000
274	1	28.00	7.7500
275	1	63.00	77.9583
276	0	45.00	7.7500
277	0	28.00	0.0000
278	0	7.00	29.1250
279	1	35.00	20.2500
280	0	65.00	7.7500
281	0	28.00	7.8542
282	0	16.00	9.5000
283	1	19.00	8.0500
284	0	28.00	26.0000
285	0	33.00	8.6625
286	1	30.00	9.5000
287	0	22.00	7.8958
288	1	42.00	13.0000
289	1	22.00	7.7500
290	1	26.00	78.8500
291	1	19.00	91.0792
292	0	36.00	12.8750
293	0	24.00	8.8500
294	0	24.00	7.8958
295	0	28.00	27.7208
296	0	23.50	7.2292

	Survived	Age	Fare
297	0	2.00	151.5500
298	1	28.00	30.5000
299	1	50.00	247.5208
300	1	28.00	7.7500
301	1	28.00	23.2500
302	0	19.00	0.0000
303	1	28.00	12.3500
304	0	28.00	8.0500
305	1	0.92	151.5500
306	1	28.00	110.8833
307	1	17.00	108.9000
308	0	30.00	24.0000
309	1	30.00	56.9292
310	1	24.00	83.1583
311	1	18.00	262.3750
312	0	26.00	26.0000
313	0	28.00	7.8958
314	0	43.00	26.2500
315	1	26.00	7.8542
316	1	24.00	26.0000
317	0	54.00	14.0000
318	1	31.00	164.8667
319	1	40.00	134.5000
320	0	22.00	7.2500
321	0	27.00	7.8958
322	1	30.00	12.3500
323	1	22.00	29.0000
324	0	28.00	69.5500
325	1	36.00	135.6333
326	0	61.00	6.2375
327	1	36.00	13.0000
328	1	31.00	20.5250
329	1	16.00	57.9792

	Survived	Age	Fare
330	1	28.00	23.2500
331	0	45.50	28.5000
332	0	38.00	153.4625
333	0	16.00	18.0000
334	1	28.00	133.6500
335	0	28.00	7.8958
336	0	29.00	66.6000
337	1	41.00	134.5000
338	1	45.00	8.0500
339	0	45.00	35.5000
340	1	2.00	26.0000
341	1	24.00	263.0000
342	0	28.00	13.0000
343	0	25.00	13.0000
344	0	36.00	13.0000
345	1	24.00	13.0000
346	1	40.00	13.0000
347	1	28.00	16.1000
348	1	3.00	15.9000
349	0	42.00	8.6625
350	0	23.00	9.2250
351	0	28.00	35.0000
352	0	15.00	7.2292
353	0	25.00	17.8000
354	0	28.00	7.2250
355	0	28.00	9.5000
356	1	22.00	55.0000
357	0	38.00	13.0000
358	1	28.00	7.8792
359	1	28.00	7.8792
360	0	40.00	27.9000
361	0	29.00	27.7208
362	0	45.00	14.4542

	Survived	Age	Fare
363	0	35.00	7.0500
364	0	28.00	15.5000
365	0	30.00	7.2500
366	1	60.00	75.2500
367	1	28.00	7.2292
368	1	28.00	7.7500
369	1	24.00	69.3000
370	1	25.00	55.4417
371	0	18.00	6.4958
372	0	19.00	8.0500
373	0	22.00	135.6333
374	0	3.00	21.0750
375	1	28.00	82.1708
376	1	22.00	7.2500
377	0	27.00	211.5000
378	0	20.00	4.0125
379	0	19.00	7.7750
380	1	42.00	227.5250
381	1	1.00	15.7417
382	0	32.00	7.9250
383	1	35.00	52.0000
384	0	28.00	7.8958
385	0	18.00	73.5000
386	0	1.00	46.9000
387	1	36.00	13.0000
388	0	28.00	7.7292
389	1	17.00	12.0000
390	1	36.00	120.0000
391	1	21.00	7.7958
392	0	28.00	7.9250
393	1	23.00	113.2750
394	1	24.00	16.7000
395	0	22.00	7.7958

	Survived	Age	Fare
396	0	31.00	7.8542
397	0	46.00	26.0000
398	0	23.00	10.5000
399	1	28.00	12.6500
400	1	39.00	7.9250
401	0	26.00	8.0500
402	0	21.00	9.8250
403	0	28.00	15.8500
404	0	20.00	8.6625
405	0	34.00	21.0000
406	0	51.00	7.7500
407	1	3.00	18.7500
408	0	21.00	7.7750
409	0	28.00	25.4667
410	0	28.00	7.8958
411	0	28.00	6.8583
412	1	33.00	90.0000
413	0	28.00	0.0000
414	1	44.00	7.9250
415	0	28.00	8.0500
416	1	34.00	32.5000
417	1	18.00	13.0000
418	0	30.00	13.0000
419	0	10.00	24.1500
420	0	28.00	7.8958
421	0	21.00	7.7333
422	0	29.00	7.8750
423	0	28.00	14.4000
424	0	18.00	20.2125
425	0	28.00	7.2500
426	1	28.00	26.0000
427	1	19.00	26.0000
428	0	28.00	7.7500

	Survived	Age	Fare
429	1	32.00	8.0500
430	1	28.00	26.5500
431	1	28.00	16.1000
432	1	42.00	26.0000
433	0	17.00	7.1250
434	0	50.00	55.9000
435	1	14.00	120.0000
436	0	21.00	34.3750
437	1	24.00	18.7500
438	0	64.00	263.0000
439	0	31.00	10.5000
440	1	45.00	26.2500
441	0	20.00	9.5000
442	0	25.00	7.7750
443	1	28.00	13.0000
444	1	28.00	8.1125
445	1	4.00	81.8583
446	1	13.00	19.5000
447	1	34.00	26.5500
448	1	5.00	19.2583
449	1	52.00	30.5000
450	0	36.00	27.7500
451	0	28.00	19.9667
452	0	30.00	27.7500
453	1	49.00	89.1042
454	0	28.00	8.0500
455	1	29.00	7.8958
456	0	65.00	26.5500
457	1	28.00	51.8625
458	1	50.00	10.5000
459	0	28.00	7.7500
460	1	48.00	26.5500
461	0	34.00	8.0500

	Survived	Age	Fare
462	0	47.00	38.5000
463	0	48.00	13.0000
464	0	28.00	8.0500
465	0	38.00	7.0500
466	0	28.00	0.0000
467	0	56.00	26.5500
468	0	28.00	7.7250
469	1	0.75	19.2583
470	0	28.00	7.2500
471	0	38.00	8.6625
472	1	33.00	27.7500
473	1	23.00	13.7917
474	0	22.00	9.8375
475	0	28.00	52.0000
476	0	34.00	21.0000
477	0	29.00	7.0458
478	0	22.00	7.5208
479	1	2.00	12.2875
480	0	9.00	46.9000
481	0	28.00	0.0000
482	0	50.00	8.0500
483	1	63.00	9.5875
484	1	25.00	91.0792
485	0	28.00	25.4667
486	1	35.00	90.0000
487	0	58.00	29.7000
488	0	30.00	8.0500
489	1	9.00	15.9000
490	0	28.00	19.9667
491	0	21.00	7.2500
492	0	55.00	30.5000
493	0	71.00	49.5042
494	0	21.00	8.0500

	Survived	Age	Fare
495	0	28.00	14.4583
496	1	54.00	78.2667
497	0	28.00	15.1000
498	0	25.00	151.5500
499	0	24.00	7.7958
500	0	17.00	8.6625
501	0	21.00	7.7500
502	0	28.00	7.6292
503	0	37.00	9.5875
504	1	16.00	86.5000
505	0	18.00	108.9000
506	1	33.00	26.0000
507	1	28.00	26.5500
508	0	28.00	22.5250
509	1	26.00	56.4958
510	1	29.00	7.7500
511	0	28.00	8.0500
512	1	36.00	26.2875
513	1	54.00	59.4000
514	0	24.00	7.4958
515	0	47.00	34.0208
516	1	34.00	10.5000
517	0	28.00	24.1500
518	1	36.00	26.0000
519	0	32.00	7.8958
520	1	30.00	93.5000
521	0	22.00	7.8958
522	0	28.00	7.2250
523	1	44.00	57.9792
524	0	28.00	7.2292
525	0	40.50	7.7500
526	1	50.00	10.5000
527	0	28.00	221.7792

	Survived	Age	Fare
528	0	39.00	7.9250
529	0	23.00	11.5000
530	1	2.00	26.0000
531	0	28.00	7.2292
532	0	17.00	7.2292
533	1	28.00	22.3583
534	0	30.00	8.6625
535	1	7.00	26.2500
536	0	45.00	26.5500
537	1	30.00	106.4250
538	0	28.00	14.5000
539	1	22.00	49.5000
540	1	36.00	71.0000
541	0	9.00	31.2750
542	0	11.00	31.2750
543	1	32.00	26.0000
544	0	50.00	106.4250
545	0	64.00	26.0000
546	1	19.00	26.0000
547	1	28.00	13.8625
548	0	33.00	20.5250
549	1	8.00	36.7500
550	1	17.00	110.8833
551	0	27.00	26.0000
552	0	28.00	7.8292
553	1	22.00	7.2250
554	1	22.00	7.7750
555	0	62.00	26.5500
556	1	48.00	39.6000
557	0	28.00	227.5250
558	1	39.00	79.6500
559	1	36.00	17.4000
560	0	28.00	7.7500

	Survived	Age	Fare
561	0	40.00	7.8958
562	0	28.00	13.5000
563	0	28.00	8.0500
564	0	28.00	8.0500
565	0	24.00	24.1500
566	0	19.00	7.8958
567	0	29.00	21.0750
568	0	28.00	7.2292
569	1	32.00	7.8542
570	1	62.00	10.5000
571	1	53.00	51.4792
572	1	36.00	26.3875
573	1	28.00	7.7500
574	0	16.00	8.0500
575	0	19.00	14.5000
576	1	34.00	13.0000
577	1	39.00	55.9000
578	0	28.00	14.4583
579	1	32.00	7.9250
580	1	25.00	30.0000
581	1	39.00	110.8833
582	0	54.00	26.0000
583	0	36.00	40.1250
584	0	28.00	8.7125
585	1	18.00	79.6500
586	0	47.00	15.0000
587	1	60.00	79.2000
588	0	22.00	8.0500
589	0	28.00	8.0500
590	0	35.00	7.1250
591	1	52.00	78.2667
592	0	47.00	7.2500
593	0	28.00	7.7500

	Survived	Age	Fare
594	0	37.00	26.0000
595	0	36.00	24.1500
596	1	28.00	33.0000
597	0	49.00	0.0000
598	0	28.00	7.2250
599	1	49.00	56.9292
600	1	24.00	27.0000
601	0	28.00	7.8958
602	0	28.00	42.4000
603	0	44.00	8.0500
604	1	35.00	26.5500
605	0	36.00	15.5500
606	0	30.00	7.8958
607	1	27.00	30.5000
608	1	22.00	41.5792
609	1	40.00	153.4625
610	0	39.00	31.2750
611	0	28.00	7.0500
612	1	28.00	15.5000
613	0	28.00	7.7500
614	0	35.00	8.0500
615	1	24.00	65.0000
616	0	34.00	14.4000
617	0	26.00	16.1000
618	1	4.00	39.0000
619	0	26.00	10.5000
620	0	27.00	14.4542
621	1	42.00	52.5542
622	1	20.00	15.7417
623	0	21.00	7.8542
624	0	21.00	16.1000
625	0	61.00	32.3208
626	0	57.00	12.3500

	Survived	Age	Fare
627	1	21.00	77.9583
628	0	26.00	7.8958
629	0	28.00	7.7333
630	1	80.00	30.0000
631	0	51.00	7.0542
632	1	32.00	30.5000
633	0	28.00	0.0000
634	0	9.00	27.9000
635	1	28.00	13.0000
636	0	32.00	7.9250
637	0	31.00	26.2500
638	0	41.00	39.6875
639	0	28.00	16.1000
640	0	20.00	7.8542
641	1	24.00	69.3000
642	0	2.00	27.9000
643	1	28.00	56.4958
644	1	0.75	19.2583
645	1	48.00	76.7292
646	0	19.00	7.8958
647	1	56.00	35.5000
648	0	28.00	7.5500
649	1	23.00	7.5500
650	0	28.00	7.8958
651	1	18.00	23.0000
652	0	21.00	8.4333
653	1	28.00	7.8292
654	0	18.00	6.7500
655	0	24.00	73.5000
656	0	28.00	7.8958
657	0	32.00	15.5000
658	0	23.00	13.0000
659	0	58.00	113.2750

	Survived	Age	Fare
660	1	50.00	133.6500
661	0	40.00	7.2250
662	0	47.00	25.5875
663	0	36.00	7.4958
664	1	20.00	7.9250
665	0	32.00	73.5000
666	0	25.00	13.0000
667	0	28.00	7.7750
668	0	43.00	8.0500
669	1	28.00	52.0000
670	1	40.00	39.0000
671	0	31.00	52.0000
672	0	70.00	10.5000
673	1	31.00	13.0000
674	0	28.00	0.0000
675	0	18.00	7.7750
676	0	24.50	8.0500
677	1	18.00	9.8417
678	0	43.00	46.9000
679	1	36.00	512.3292
680	0	28.00	8.1375
681	1	27.00	76.7292
682	0	20.00	9.2250
683	0	14.00	46.9000
684	0	60.00	39.0000
685	0	25.00	41.5792
686	0	14.00	39.6875
687	0	19.00	10.1708
688	0	18.00	7.7958
689	1	15.00	211.3375
690	1	31.00	57.0000
691	1	4.00	13.4167
692	1	28.00	56.4958

	Survived	Age	Fare
693	0	25.00	7.2250
694	0	60.00	26.5500
695	0	52.00	13.5000
696	0	44.00	8.0500
697	1	28.00	7.7333
698	0	49.00	110.8833
699	0	42.00	7.6500
700	1	18.00	227.5250
701	1	35.00	26.2875
702	0	18.00	14.4542
703	0	25.00	7.7417
704	0	26.00	7.8542
705	0	39.00	26.0000
706	1	45.00	13.5000
707	1	42.00	26.2875
708	1	22.00	151.5500
709	1	28.00	15.2458
710	1	24.00	49.5042
711	0	28.00	26.5500
712	1	48.00	52.0000
713	0	29.00	9.4833
714	0	52.00	13.0000
715	0	19.00	7.6500
716	1	38.00	227.5250
717	1	27.00	10.5000
718	0	28.00	15.5000
719	0	33.00	7.7750
720	1	6.00	33.0000
721	0	17.00	7.0542
722	0	34.00	13.0000
723	0	50.00	13.0000
724	1	27.00	53.1000
725	0	20.00	8.6625

	Survived	Age	Fare
726	1	30.00	21.0000
727	1	28.00	7.7375
728	0	25.00	26.0000
729	0	25.00	7.9250
730	1	29.00	211.3375
731	0	11.00	18.7875
732	0	28.00	0.0000
733	0	23.00	13.0000
734	0	23.00	13.0000
735	0	28.50	16.1000
736	0	48.00	34.3750
737	1	35.00	512.3292
738	0	28.00	7.8958
739	0	28.00	7.8958
740	1	28.00	30.0000
741	0	36.00	78.8500
742	1	21.00	262.3750
743	0	24.00	16.1000
744	1	31.00	7.9250
745	0	70.00	71.0000
746	0	16.00	20.2500
747	1	30.00	13.0000
748	0	19.00	53.1000
749	0	31.00	7.7500
750	1	4.00	23.0000
751	1	6.00	12.4750
752	0	33.00	9.5000
753	0	23.00	7.8958
754	1	48.00	65.0000
755	1	0.67	14.5000
756	0	28.00	7.7958
757	0	18.00	11.5000
758	0	34.00	8.0500

	Survived	Age	Fare
759	1	33.00	86.5000
760	0	28.00	14.5000
761	0	41.00	7.1250
762	1	20.00	7.2292
763	1	36.00	120.0000
764	0	16.00	7.7750
765	1	51.00	77.9583
766	0	28.00	39.6000
767	0	30.50	7.7500
768	0	28.00	24.1500
769	0	32.00	8.3625
770	0	24.00	9.5000
771	0	48.00	7.8542
772	0	57.00	10.5000
773	0	28.00	7.2250
774	1	54.00	23.0000
775	0	18.00	7.7500
776	0	28.00	7.7500
777	1	5.00	12.4750
778	0	28.00	7.7375
779	1	43.00	211.3375
780	1	13.00	7.2292
781	1	17.00	57.0000
782	0	29.00	30.0000
783	0	28.00	23.4500
784	0	25.00	7.0500
785	0	25.00	7.2500
786	1	18.00	7.4958
787	0	8.00	29.1250
788	1	1.00	20.5750
789	0	46.00	79.2000
790	0	28.00	7.7500
791	0	16.00	26.0000

	Survived	Age	Fare
792	0	28.00	69.5500
793	0	28.00	30.6958
794	0	25.00	7.8958
795	0	39.00	13.0000
796	1	49.00	25.9292
797	1	31.00	8.6833
798	0	30.00	7.2292
799	0	30.00	24.1500
800	0	34.00	13.0000
801	1	31.00	26.2500
802	1	11.00	120.0000
803	1	0.42	8.5167
804	1	27.00	6.9750
805	0	31.00	7.7750
806	0	39.00	0.0000
807	0	18.00	7.7750
808	0	39.00	13.0000
809	1	33.00	53.1000
810	0	26.00	7.8875
811	0	39.00	24.1500
812	0	35.00	10.5000
813	0	6.00	31.2750
814	0	30.50	8.0500
815	0	28.00	0.0000
816	0	23.00	7.9250
817	0	31.00	37.0042
818	0	43.00	6.4500
819	0	10.00	27.9000
820	1	52.00	93.5000
821	1	27.00	8.6625
822	0	38.00	0.0000
823	1	27.00	12.4750
824	0	2.00	39.6875

	Survived	Age	Fare
825	0	28.00	6.9500
826	0	28.00	56.4958
827	1	1.00	37.0042
828	1	28.00	7.7500
829	1	62.00	80.0000
830	1	15.00	14.4542
831	1	0.83	18.7500
832	0	28.00	7.2292
833	0	23.00	7.8542
834	0	18.00	8.3000
835	1	39.00	83.1583
836	0	21.00	8.6625
837	0	28.00	8.0500
838	1	32.00	56.4958
839	1	28.00	29.7000
840	0	20.00	7.9250
841	0	16.00	10.5000
842	1	30.00	31.0000
843	0	34.50	6.4375
844	0	17.00	8.6625
845	0	42.00	7.5500
846	0	28.00	69.5500
847	0	35.00	7.8958
848	0	28.00	33.0000
849	1	28.00	89.1042
850	0	4.00	31.2750
851	0	74.00	7.7750
852	0	9.00	15.2458
853	1	16.00	39.4000
854	0	44.00	26.0000
855	1	18.00	9.3500
856	1	45.00	164.8667
857	1	51.00	26.5500

	Survived	Age	Fare
858	1	24.00	19.2583
859	0	28.00	7.2292
860	0	41.00	14.1083
861	0	21.00	11.5000
862	1	48.00	25.9292
863	0	28.00	69.5500
864	0	24.00	13.0000
865	1	42.00	13.0000
866	1	27.00	13.8583
867	0	31.00	50.4958
868	0	28.00	9.5000
869	1	4.00	11.1333
870	0	26.00	7.8958
871	1	47.00	52.5542
872	0	33.00	5.0000
873	0	47.00	9.0000
874	1	28.00	24.0000
875	1	15.00	7.2250
876	0	20.00	9.8458
877	0	19.00	7.8958
878	0	28.00	7.8958
879	1	56.00	83.1583
880	1	25.00	26.0000
881	0	33.00	7.8958
882	0	22.00	10.5167
883	0	28.00	10.5000
884	0	25.00	7.0500
885	0	39.00	29.1250
886	0	27.00	13.0000
887	1	19.00	30.0000
888	0	28.00	23.4500
889	1	26.00	30.0000
890	0	22.00	7.7500

```
In [9]: modefill = df2.fillna(df2.mode().iloc[0])
modefill
```

Out[9]:

	Survived	Age	Fare
0	0	22.00	7.2500
1	1	38.00	71.2833
2	1	26.00	7.9250
3	1	35.00	53.1000
4	0	35.00	8.0500
5	0	24.00	8.4583
6	0	54.00	51.8625
7	0	2.00	21.0750
8	1	27.00	11.1333
9	1	14.00	30.0708
10	1	4.00	16.7000
11	1	58.00	26.5500
12	0	20.00	8.0500
13	0	39.00	31.2750
14	0	14.00	7.8542
15	1	55.00	16.0000
16	0	2.00	29.1250
17	1	24.00	13.0000
18	0	31.00	18.0000
19	1	24.00	7.2250
20	0	35.00	26.0000
21	1	34.00	13.0000
22	1	15.00	8.0292
23	1	28.00	35.5000
24	0	8.00	21.0750
25	1	38.00	31.3875
26	0	24.00	7.2250
27	0	19.00	263.0000
28	1	24.00	7.8792
29	0	24.00	7.8958
30	0	40.00	27.7208
31	1	24.00	146.5208
32	1	24.00	7.7500

	Survived	Age	Fare
33	0	66.00	10.5000
34	0	28.00	82.1708
35	0	42.00	52.0000
36	1	24.00	7.2292
37	0	21.00	8.0500
38	0	18.00	18.0000
39	1	14.00	11.2417
40	0	40.00	9.4750
41	0	27.00	21.0000
42	0	24.00	7.8958
43	1	3.00	41.5792
44	1	19.00	7.8792
45	0	24.00	8.0500
46	0	24.00	15.5000
47	1	24.00	7.7500
48	0	24.00	21.6792
49	0	18.00	17.8000
50	0	7.00	39.6875
51	0	21.00	7.8000
52	1	49.00	76.7292
53	1	29.00	26.0000
54	0	65.00	61.9792
55	1	24.00	35.5000
56	1	21.00	10.5000
57	0	28.50	7.2292
58	1	5.00	27.7500
59	0	11.00	46.9000
60	0	22.00	7.2292
61	1	38.00	80.0000
62	0	45.00	83.4750
63	0	4.00	27.9000
64	0	24.00	27.7208
65	1	24.00	15.2458

	Survived	Age	Fare
66	1	29.00	10.5000
67	0	19.00	8.1583
68	1	17.00	7.9250
69	0	26.00	8.6625
70	0	32.00	10.5000
71	0	16.00	46.9000
72	0	21.00	73.5000
73	0	26.00	14.4542
74	1	32.00	56.4958
75	0	25.00	7.6500
76	0	24.00	7.8958
77	0	24.00	8.0500
78	1	0.83	29.0000
79	1	30.00	12.4750
80	0	22.00	9.0000
81	1	29.00	9.5000
82	1	24.00	7.7875
83	0	28.00	47.1000
84	1	17.00	10.5000
85	1	33.00	15.8500
86	0	16.00	34.3750
87	0	24.00	8.0500
88	1	23.00	263.0000
89	0	24.00	8.0500
90	0	29.00	8.0500
91	0	20.00	7.8542
92	0	46.00	61.1750
93	0	26.00	20.5750
94	0	59.00	7.2500
95	0	24.00	8.0500
96	0	71.00	34.6542
97	1	23.00	63.3583
98	1	34.00	23.0000

	Survived	Age	Fare
99	0	34.00	26.0000
100	0	28.00	7.8958
101	0	24.00	7.8958
102	0	21.00	77.2875
103	0	33.00	8.6542
104	0	37.00	7.9250
105	0	28.00	7.8958
106	1	21.00	7.6500
107	1	24.00	7.7750
108	0	38.00	7.8958
109	1	24.00	24.1500
110	0	47.00	52.0000
111	0	14.50	14.4542
112	0	22.00	8.0500
113	0	20.00	9.8250
114	0	17.00	14.4583
115	0	21.00	7.9250
116	0	70.50	7.7500
117	0	29.00	21.0000
118	0	24.00	247.5208
119	0	2.00	31.2750
120	0	21.00	73.5000
121	0	24.00	8.0500
122	0	32.50	30.0708
123	1	32.50	13.0000
124	0	54.00	77.2875
125	1	12.00	11.2417
126	0	24.00	7.7500
127	1	24.00	7.1417
128	1	24.00	22.3583
129	0	45.00	6.9750
130	0	33.00	7.8958
131	0	20.00	7.0500

	Survived	Age	Fare
132	0	47.00	14.5000
133	1	29.00	26.0000
134	0	25.00	13.0000
135	0	23.00	15.0458
136	1	19.00	26.2833
137	0	37.00	53.1000
138	0	16.00	9.2167
139	0	24.00	79.2000
140	0	24.00	15.2458
141	1	22.00	7.7500
142	1	24.00	15.8500
143	0	19.00	6.7500
144	0	18.00	11.5000
145	0	19.00	36.7500
146	1	27.00	7.7958
147	0	9.00	34.3750
148	0	36.50	26.0000
149	0	42.00	13.0000
150	0	51.00	12.5250
151	1	22.00	66.6000
152	0	55.50	8.0500
153	0	40.50	14.5000
154	0	24.00	7.3125
155	0	51.00	61.3792
156	1	16.00	7.7333
157	0	30.00	8.0500
158	0	24.00	8.6625
159	0	24.00	69.5500
160	0	44.00	16.1000
161	1	40.00	15.7500
162	0	26.00	7.7750
163	0	17.00	8.6625
164	0	1.00	39.6875

	Survived	Age	Fare
165	1	9.00	20.5250
166	1	24.00	55.0000
167	0	45.00	27.9000
168	0	24.00	25.9250
169	0	28.00	56.4958
170	0	61.00	33.5000
171	0	4.00	29.1250
172	1	1.00	11.1333
173	0	21.00	7.9250
174	0	56.00	30.6958
175	0	18.00	7.8542
176	0	24.00	25.4667
177	0	50.00	28.7125
178	0	30.00	13.0000
179	0	36.00	0.0000
180	0	24.00	69.5500
181	0	24.00	15.0500
182	0	9.00	31.3875
183	1	1.00	39.0000
184	1	4.00	22.0250
185	0	24.00	50.0000
186	1	24.00	15.5000
187	1	45.00	26.5500
188	0	40.00	15.5000
189	0	36.00	7.8958
190	1	32.00	13.0000
191	0	19.00	13.0000
192	1	19.00	7.8542
193	1	3.00	26.0000
194	1	44.00	27.7208
195	1	58.00	146.5208
196	0	24.00	7.7500
197	0	42.00	8.4042

	Survived	Age	Fare
198	1	24.00	7.7500
199	0	24.00	13.0000
200	0	28.00	9.5000
201	0	24.00	69.5500
202	0	34.00	6.4958
203	0	45.50	7.2250
204	1	18.00	8.0500
205	0	2.00	10.4625
206	0	32.00	15.8500
207	1	26.00	18.7875
208	1	16.00	7.7500
209	1	40.00	31.0000
210	0	24.00	7.0500
211	1	35.00	21.0000
212	0	22.00	7.2500
213	0	30.00	13.0000
214	0	24.00	7.7500
215	1	31.00	113.2750
216	1	27.00	7.9250
217	0	42.00	27.0000
218	1	32.00	76.2917
219	0	30.00	10.5000
220	1	16.00	8.0500
221	0	27.00	13.0000
222	0	51.00	8.0500
223	0	24.00	7.8958
224	1	38.00	90.0000
225	0	22.00	9.3500
226	1	19.00	10.5000
227	0	20.50	7.2500
228	0	18.00	13.0000
229	0	24.00	25.4667
230	1	35.00	83.4750

	Survived	Age	Fare
231	0	29.00	7.7750
232	0	59.00	13.5000
233	1	5.00	31.3875
234	0	24.00	10.5000
235	0	24.00	7.5500
236	0	44.00	26.0000
237	1	8.00	26.2500
238	0	19.00	10.5000
239	0	33.00	12.2750
240	0	24.00	14.4542
241	1	24.00	15.5000
242	0	29.00	10.5000
243	0	22.00	7.1250
244	0	30.00	7.2250
245	0	44.00	90.0000
246	0	25.00	7.7750
247	1	24.00	14.5000
248	1	37.00	52.5542
249	0	54.00	26.0000
250	0	24.00	7.2500
251	0	29.00	10.4625
252	0	62.00	26.5500
253	0	30.00	16.1000
254	0	41.00	20.2125
255	1	29.00	15.2458
256	1	24.00	79.2000
257	1	30.00	86.5000
258	1	35.00	512.3292
259	1	50.00	26.0000
260	0	24.00	7.7500
261	1	3.00	31.3875
262	0	52.00	79.6500
263	0	40.00	0.0000

	Survived	Age	Fare
264	0	24.00	7.7500
265	0	36.00	10.5000
266	0	16.00	39.6875
267	1	25.00	7.7750
268	1	58.00	153.4625
269	1	35.00	135.6333
270	0	24.00	31.0000
271	1	25.00	0.0000
272	1	41.00	19.5000
273	0	37.00	29.7000
274	1	24.00	7.7500
275	1	63.00	77.9583
276	0	45.00	7.7500
277	0	24.00	0.0000
278	0	7.00	29.1250
279	1	35.00	20.2500
280	0	65.00	7.7500
281	0	28.00	7.8542
282	0	16.00	9.5000
283	1	19.00	8.0500
284	0	24.00	26.0000
285	0	33.00	8.6625
286	1	30.00	9.5000
287	0	22.00	7.8958
288	1	42.00	13.0000
289	1	22.00	7.7500
290	1	26.00	78.8500
291	1	19.00	91.0792
292	0	36.00	12.8750
293	0	24.00	8.8500
294	0	24.00	7.8958
295	0	24.00	27.7208
296	0	23.50	7.2292

	Survived	Age	Fare
297	0	2.00	151.5500
298	1	24.00	30.5000
299	1	50.00	247.5208
300	1	24.00	7.7500
301	1	24.00	23.2500
302	0	19.00	0.0000
303	1	24.00	12.3500
304	0	24.00	8.0500
305	1	0.92	151.5500
306	1	24.00	110.8833
307	1	17.00	108.9000
308	0	30.00	24.0000
309	1	30.00	56.9292
310	1	24.00	83.1583
311	1	18.00	262.3750
312	0	26.00	26.0000
313	0	28.00	7.8958
314	0	43.00	26.2500
315	1	26.00	7.8542
316	1	24.00	26.0000
317	0	54.00	14.0000
318	1	31.00	164.8667
319	1	40.00	134.5000
320	0	22.00	7.2500
321	0	27.00	7.8958
322	1	30.00	12.3500
323	1	22.00	29.0000
324	0	24.00	69.5500
325	1	36.00	135.6333
326	0	61.00	6.2375
327	1	36.00	13.0000
328	1	31.00	20.5250
329	1	16.00	57.9792

	Survived	Age	Fare
330	1	24.00	23.2500
331	0	45.50	28.5000
332	0	38.00	153.4625
333	0	16.00	18.0000
334	1	24.00	133.6500
335	0	24.00	7.8958
336	0	29.00	66.6000
337	1	41.00	134.5000
338	1	45.00	8.0500
339	0	45.00	35.5000
340	1	2.00	26.0000
341	1	24.00	263.0000
342	0	28.00	13.0000
343	0	25.00	13.0000
344	0	36.00	13.0000
345	1	24.00	13.0000
346	1	40.00	13.0000
347	1	24.00	16.1000
348	1	3.00	15.9000
349	0	42.00	8.6625
350	0	23.00	9.2250
351	0	24.00	35.0000
352	0	15.00	7.2292
353	0	25.00	17.8000
354	0	24.00	7.2250
355	0	28.00	9.5000
356	1	22.00	55.0000
357	0	38.00	13.0000
358	1	24.00	7.8792
359	1	24.00	7.8792
360	0	40.00	27.9000
361	0	29.00	27.7208
362	0	45.00	14.4542

	Survived	Age	Fare
363	0	35.00	7.0500
364	0	24.00	15.5000
365	0	30.00	7.2500
366	1	60.00	75.2500
367	1	24.00	7.2292
368	1	24.00	7.7500
369	1	24.00	69.3000
370	1	25.00	55.4417
371	0	18.00	6.4958
372	0	19.00	8.0500
373	0	22.00	135.6333
374	0	3.00	21.0750
375	1	24.00	82.1708
376	1	22.00	7.2500
377	0	27.00	211.5000
378	0	20.00	4.0125
379	0	19.00	7.7750
380	1	42.00	227.5250
381	1	1.00	15.7417
382	0	32.00	7.9250
383	1	35.00	52.0000
384	0	24.00	7.8958
385	0	18.00	73.5000
386	0	1.00	46.9000
387	1	36.00	13.0000
388	0	24.00	7.7292
389	1	17.00	12.0000
390	1	36.00	120.0000
391	1	21.00	7.7958
392	0	28.00	7.9250
393	1	23.00	113.2750
394	1	24.00	16.7000
395	0	22.00	7.7958

	Survived	Age	Fare
396	0	31.00	7.8542
397	0	46.00	26.0000
398	0	23.00	10.5000
399	1	28.00	12.6500
400	1	39.00	7.9250
401	0	26.00	8.0500
402	0	21.00	9.8250
403	0	28.00	15.8500
404	0	20.00	8.6625
405	0	34.00	21.0000
406	0	51.00	7.7500
407	1	3.00	18.7500
408	0	21.00	7.7750
409	0	24.00	25.4667
410	0	24.00	7.8958
411	0	24.00	6.8583
412	1	33.00	90.0000
413	0	24.00	0.0000
414	1	44.00	7.9250
415	0	24.00	8.0500
416	1	34.00	32.5000
417	1	18.00	13.0000
418	0	30.00	13.0000
419	0	10.00	24.1500
420	0	24.00	7.8958
421	0	21.00	7.7333
422	0	29.00	7.8750
423	0	28.00	14.4000
424	0	18.00	20.2125
425	0	24.00	7.2500
426	1	28.00	26.0000
427	1	19.00	26.0000
428	0	24.00	7.7500

	Survived	Age	Fare
429	1	32.00	8.0500
430	1	28.00	26.5500
431	1	24.00	16.1000
432	1	42.00	26.0000
433	0	17.00	7.1250
434	0	50.00	55.9000
435	1	14.00	120.0000
436	0	21.00	34.3750
437	1	24.00	18.7500
438	0	64.00	263.0000
439	0	31.00	10.5000
440	1	45.00	26.2500
441	0	20.00	9.5000
442	0	25.00	7.7750
443	1	28.00	13.0000
444	1	24.00	8.1125
445	1	4.00	81.8583
446	1	13.00	19.5000
447	1	34.00	26.5500
448	1	5.00	19.2583
449	1	52.00	30.5000
450	0	36.00	27.7500
451	0	24.00	19.9667
452	0	30.00	27.7500
453	1	49.00	89.1042
454	0	24.00	8.0500
455	1	29.00	7.8958
456	0	65.00	26.5500
457	1	24.00	51.8625
458	1	50.00	10.5000
459	0	24.00	7.7500
460	1	48.00	26.5500
461	0	34.00	8.0500

	Survived	Age	Fare
462	0	47.00	38.5000
463	0	48.00	13.0000
464	0	24.00	8.0500
465	0	38.00	7.0500
466	0	24.00	0.0000
467	0	56.00	26.5500
468	0	24.00	7.7250
469	1	0.75	19.2583
470	0	24.00	7.2500
471	0	38.00	8.6625
472	1	33.00	27.7500
473	1	23.00	13.7917
474	0	22.00	9.8375
475	0	24.00	52.0000
476	0	34.00	21.0000
477	0	29.00	7.0458
478	0	22.00	7.5208
479	1	2.00	12.2875
480	0	9.00	46.9000
481	0	24.00	0.0000
482	0	50.00	8.0500
483	1	63.00	9.5875
484	1	25.00	91.0792
485	0	24.00	25.4667
486	1	35.00	90.0000
487	0	58.00	29.7000
488	0	30.00	8.0500
489	1	9.00	15.9000
490	0	24.00	19.9667
491	0	21.00	7.2500
492	0	55.00	30.5000
493	0	71.00	49.5042
494	0	21.00	8.0500

	Survived	Age	Fare
495	0	24.00	14.4583
496	1	54.00	78.2667
497	0	24.00	15.1000
498	0	25.00	151.5500
499	0	24.00	7.7958
500	0	17.00	8.6625
501	0	21.00	7.7500
502	0	24.00	7.6292
503	0	37.00	9.5875
504	1	16.00	86.5000
505	0	18.00	108.9000
506	1	33.00	26.0000
507	1	24.00	26.5500
508	0	28.00	22.5250
509	1	26.00	56.4958
510	1	29.00	7.7500
511	0	24.00	8.0500
512	1	36.00	26.2875
513	1	54.00	59.4000
514	0	24.00	7.4958
515	0	47.00	34.0208
516	1	34.00	10.5000
517	0	24.00	24.1500
518	1	36.00	26.0000
519	0	32.00	7.8958
520	1	30.00	93.5000
521	0	22.00	7.8958
522	0	24.00	7.2250
523	1	44.00	57.9792
524	0	24.00	7.2292
525	0	40.50	7.7500
526	1	50.00	10.5000
527	0	24.00	221.7792

	Survived	Age	Fare
528	0	39.00	7.9250
529	0	23.00	11.5000
530	1	2.00	26.0000
531	0	24.00	7.2292
532	0	17.00	7.2292
533	1	24.00	22.3583
534	0	30.00	8.6625
535	1	7.00	26.2500
536	0	45.00	26.5500
537	1	30.00	106.4250
538	0	24.00	14.5000
539	1	22.00	49.5000
540	1	36.00	71.0000
541	0	9.00	31.2750
542	0	11.00	31.2750
543	1	32.00	26.0000
544	0	50.00	106.4250
545	0	64.00	26.0000
546	1	19.00	26.0000
547	1	24.00	13.8625
548	0	33.00	20.5250
549	1	8.00	36.7500
550	1	17.00	110.8833
551	0	27.00	26.0000
552	0	24.00	7.8292
553	1	22.00	7.2250
554	1	22.00	7.7750
555	0	62.00	26.5500
556	1	48.00	39.6000
557	0	24.00	227.5250
558	1	39.00	79.6500
559	1	36.00	17.4000
560	0	24.00	7.7500

	Survived	Age	Fare
561	0	40.00	7.8958
562	0	28.00	13.5000
563	0	24.00	8.0500
564	0	24.00	8.0500
565	0	24.00	24.1500
566	0	19.00	7.8958
567	0	29.00	21.0750
568	0	24.00	7.2292
569	1	32.00	7.8542
570	1	62.00	10.5000
571	1	53.00	51.4792
572	1	36.00	26.3875
573	1	24.00	7.7500
574	0	16.00	8.0500
575	0	19.00	14.5000
576	1	34.00	13.0000
577	1	39.00	55.9000
578	0	24.00	14.4583
579	1	32.00	7.9250
580	1	25.00	30.0000
581	1	39.00	110.8833
582	0	54.00	26.0000
583	0	36.00	40.1250
584	0	24.00	8.7125
585	1	18.00	79.6500
586	0	47.00	15.0000
587	1	60.00	79.2000
588	0	22.00	8.0500
589	0	24.00	8.0500
590	0	35.00	7.1250
591	1	52.00	78.2667
592	0	47.00	7.2500
593	0	24.00	7.7500

	Survived	Age	Fare
594	0	37.00	26.0000
595	0	36.00	24.1500
596	1	24.00	33.0000
597	0	49.00	0.0000
598	0	24.00	7.2250
599	1	49.00	56.9292
600	1	24.00	27.0000
601	0	24.00	7.8958
602	0	24.00	42.4000
603	0	44.00	8.0500
604	1	35.00	26.5500
605	0	36.00	15.5500
606	0	30.00	7.8958
607	1	27.00	30.5000
608	1	22.00	41.5792
609	1	40.00	153.4625
610	0	39.00	31.2750
611	0	24.00	7.0500
612	1	24.00	15.5000
613	0	24.00	7.7500
614	0	35.00	8.0500
615	1	24.00	65.0000
616	0	34.00	14.4000
617	0	26.00	16.1000
618	1	4.00	39.0000
619	0	26.00	10.5000
620	0	27.00	14.4542
621	1	42.00	52.5542
622	1	20.00	15.7417
623	0	21.00	7.8542
624	0	21.00	16.1000
625	0	61.00	32.3208
626	0	57.00	12.3500

	Survived	Age	Fare
627	1	21.00	77.9583
628	0	26.00	7.8958
629	0	24.00	7.7333
630	1	80.00	30.0000
631	0	51.00	7.0542
632	1	32.00	30.5000
633	0	24.00	0.0000
634	0	9.00	27.9000
635	1	28.00	13.0000
636	0	32.00	7.9250
637	0	31.00	26.2500
638	0	41.00	39.6875
639	0	24.00	16.1000
640	0	20.00	7.8542
641	1	24.00	69.3000
642	0	2.00	27.9000
643	1	24.00	56.4958
644	1	0.75	19.2583
645	1	48.00	76.7292
646	0	19.00	7.8958
647	1	56.00	35.5000
648	0	24.00	7.5500
649	1	23.00	7.5500
650	0	24.00	7.8958
651	1	18.00	23.0000
652	0	21.00	8.4333
653	1	24.00	7.8292
654	0	18.00	6.7500
655	0	24.00	73.5000
656	0	24.00	7.8958
657	0	32.00	15.5000
658	0	23.00	13.0000
659	0	58.00	113.2750

	Survived	Age	Fare
660	1	50.00	133.6500
661	0	40.00	7.2250
662	0	47.00	25.5875
663	0	36.00	7.4958
664	1	20.00	7.9250
665	0	32.00	73.5000
666	0	25.00	13.0000
667	0	24.00	7.7750
668	0	43.00	8.0500
669	1	24.00	52.0000
670	1	40.00	39.0000
671	0	31.00	52.0000
672	0	70.00	10.5000
673	1	31.00	13.0000
674	0	24.00	0.0000
675	0	18.00	7.7750
676	0	24.50	8.0500
677	1	18.00	9.8417
678	0	43.00	46.9000
679	1	36.00	512.3292
680	0	24.00	8.1375
681	1	27.00	76.7292
682	0	20.00	9.2250
683	0	14.00	46.9000
684	0	60.00	39.0000
685	0	25.00	41.5792
686	0	14.00	39.6875
687	0	19.00	10.1708
688	0	18.00	7.7958
689	1	15.00	211.3375
690	1	31.00	57.0000
691	1	4.00	13.4167
692	1	24.00	56.4958

	Survived	Age	Fare
693	0	25.00	7.2250
694	0	60.00	26.5500
695	0	52.00	13.5000
696	0	44.00	8.0500
697	1	24.00	7.7333
698	0	49.00	110.8833
699	0	42.00	7.6500
700	1	18.00	227.5250
701	1	35.00	26.2875
702	0	18.00	14.4542
703	0	25.00	7.7417
704	0	26.00	7.8542
705	0	39.00	26.0000
706	1	45.00	13.5000
707	1	42.00	26.2875
708	1	22.00	151.5500
709	1	24.00	15.2458
710	1	24.00	49.5042
711	0	24.00	26.5500
712	1	48.00	52.0000
713	0	29.00	9.4833
714	0	52.00	13.0000
715	0	19.00	7.6500
716	1	38.00	227.5250
717	1	27.00	10.5000
718	0	24.00	15.5000
719	0	33.00	7.7750
720	1	6.00	33.0000
721	0	17.00	7.0542
722	0	34.00	13.0000
723	0	50.00	13.0000
724	1	27.00	53.1000
725	0	20.00	8.6625

	Survived	Age	Fare
726	1	30.00	21.0000
727	1	24.00	7.7375
728	0	25.00	26.0000
729	0	25.00	7.9250
730	1	29.00	211.3375
731	0	11.00	18.7875
732	0	24.00	0.0000
733	0	23.00	13.0000
734	0	23.00	13.0000
735	0	28.50	16.1000
736	0	48.00	34.3750
737	1	35.00	512.3292
738	0	24.00	7.8958
739	0	24.00	7.8958
740	1	24.00	30.0000
741	0	36.00	78.8500
742	1	21.00	262.3750
743	0	24.00	16.1000
744	1	31.00	7.9250
745	0	70.00	71.0000
746	0	16.00	20.2500
747	1	30.00	13.0000
748	0	19.00	53.1000
749	0	31.00	7.7500
750	1	4.00	23.0000
751	1	6.00	12.4750
752	0	33.00	9.5000
753	0	23.00	7.8958
754	1	48.00	65.0000
755	1	0.67	14.5000
756	0	28.00	7.7958
757	0	18.00	11.5000
758	0	34.00	8.0500

	Survived	Age	Fare
759	1	33.00	86.5000
760	0	24.00	14.5000
761	0	41.00	7.1250
762	1	20.00	7.2292
763	1	36.00	120.0000
764	0	16.00	7.7750
765	1	51.00	77.9583
766	0	24.00	39.6000
767	0	30.50	7.7500
768	0	24.00	24.1500
769	0	32.00	8.3625
770	0	24.00	9.5000
771	0	48.00	7.8542
772	0	57.00	10.5000
773	0	24.00	7.2250
774	1	54.00	23.0000
775	0	18.00	7.7500
776	0	24.00	7.7500
777	1	5.00	12.4750
778	0	24.00	7.7375
779	1	43.00	211.3375
780	1	13.00	7.2292
781	1	17.00	57.0000
782	0	29.00	30.0000
783	0	24.00	23.4500
784	0	25.00	7.0500
785	0	25.00	7.2500
786	1	18.00	7.4958
787	0	8.00	29.1250
788	1	1.00	20.5750
789	0	46.00	79.2000
790	0	24.00	7.7500
791	0	16.00	26.0000

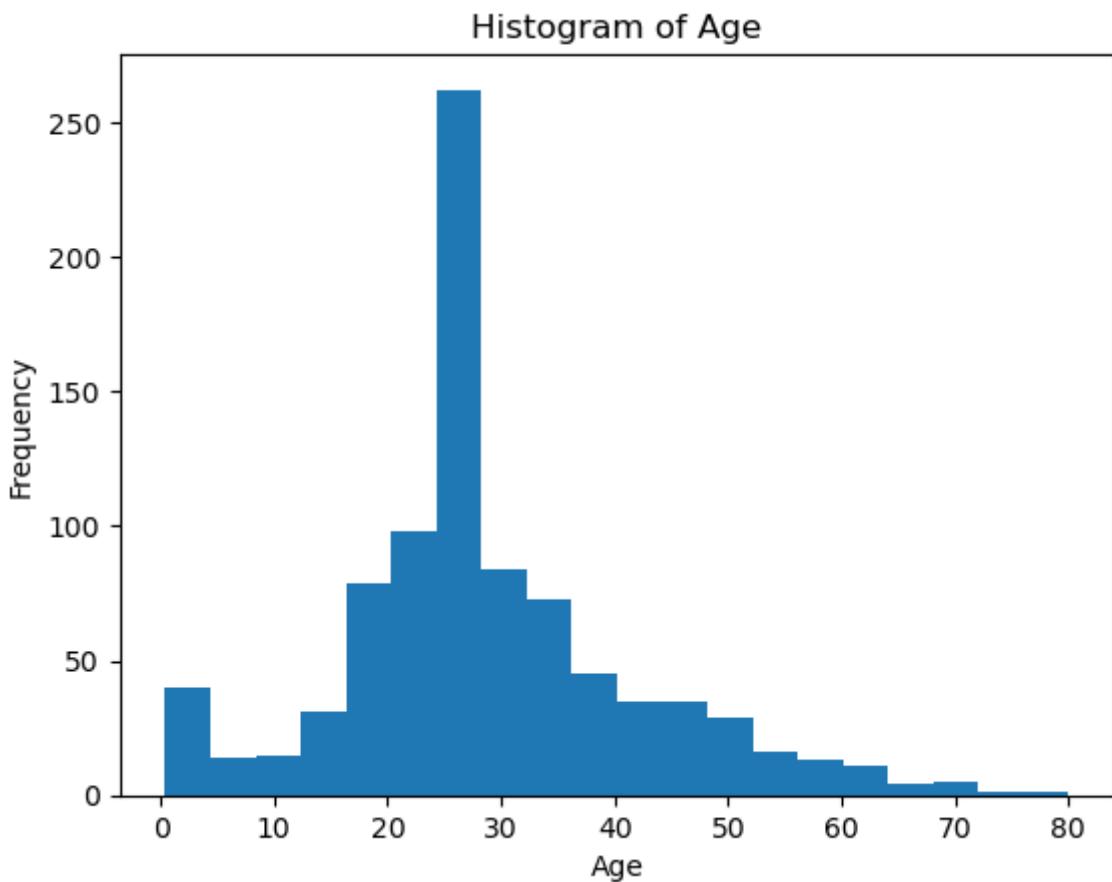
	Survived	Age	Fare
792	0	24.00	69.5500
793	0	24.00	30.6958
794	0	25.00	7.8958
795	0	39.00	13.0000
796	1	49.00	25.9292
797	1	31.00	8.6833
798	0	30.00	7.2292
799	0	30.00	24.1500
800	0	34.00	13.0000
801	1	31.00	26.2500
802	1	11.00	120.0000
803	1	0.42	8.5167
804	1	27.00	6.9750
805	0	31.00	7.7750
806	0	39.00	0.0000
807	0	18.00	7.7750
808	0	39.00	13.0000
809	1	33.00	53.1000
810	0	26.00	7.8875
811	0	39.00	24.1500
812	0	35.00	10.5000
813	0	6.00	31.2750
814	0	30.50	8.0500
815	0	24.00	0.0000
816	0	23.00	7.9250
817	0	31.00	37.0042
818	0	43.00	6.4500
819	0	10.00	27.9000
820	1	52.00	93.5000
821	1	27.00	8.6625
822	0	38.00	0.0000
823	1	27.00	12.4750
824	0	2.00	39.6875

	Survived	Age	Fare
825	0	24.00	6.9500
826	0	24.00	56.4958
827	1	1.00	37.0042
828	1	24.00	7.7500
829	1	62.00	80.0000
830	1	15.00	14.4542
831	1	0.83	18.7500
832	0	24.00	7.2292
833	0	23.00	7.8542
834	0	18.00	8.3000
835	1	39.00	83.1583
836	0	21.00	8.6625
837	0	24.00	8.0500
838	1	32.00	56.4958
839	1	24.00	29.7000
840	0	20.00	7.9250
841	0	16.00	10.5000
842	1	30.00	31.0000
843	0	34.50	6.4375
844	0	17.00	8.6625
845	0	42.00	7.5500
846	0	24.00	69.5500
847	0	35.00	7.8958
848	0	28.00	33.0000
849	1	24.00	89.1042
850	0	4.00	31.2750
851	0	74.00	7.7750
852	0	9.00	15.2458
853	1	16.00	39.4000
854	0	44.00	26.0000
855	1	18.00	9.3500
856	1	45.00	164.8667
857	1	51.00	26.5500

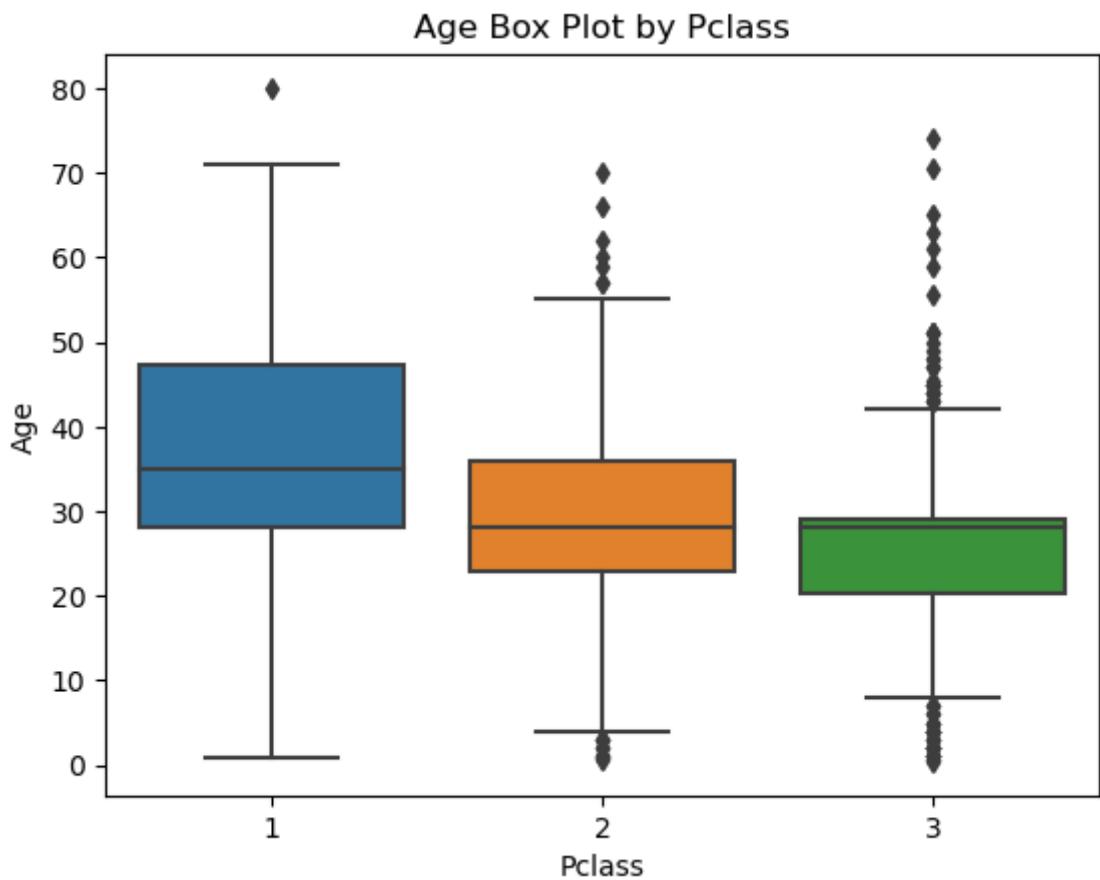
	Survived	Age	Fare
858	1	24.00	19.2583
859	0	24.00	7.2292
860	0	41.00	14.1083
861	0	21.00	11.5000
862	1	48.00	25.9292
863	0	24.00	69.5500
864	0	24.00	13.0000
865	1	42.00	13.0000
866	1	27.00	13.8583
867	0	31.00	50.4958
868	0	24.00	9.5000
869	1	4.00	11.1333
870	0	26.00	7.8958
871	1	47.00	52.5542
872	0	33.00	5.0000
873	0	47.00	9.0000
874	1	28.00	24.0000
875	1	15.00	7.2250
876	0	20.00	9.8458
877	0	19.00	7.8958
878	0	24.00	7.8958
879	1	56.00	83.1583
880	1	25.00	26.0000
881	0	33.00	7.8958
882	0	22.00	10.5167
883	0	28.00	10.5000
884	0	25.00	7.0500
885	0	39.00	29.1250
886	0	27.00	13.0000
887	1	19.00	30.0000
888	0	24.00	23.4500
889	1	26.00	30.0000
890	0	22.00	7.7500

The best replace the missing value is median because the median is more robust to outliers because it represents the middle value and is not affected by extreme values.

```
In [10]: plt.hist(medianfill["Age"], bins = 20)
plt.xlabel("Age")
plt.ylabel("Frequency")
plt.title("Histogram of Age")
plt.show()
```



```
In [11]: sns.boxplot(x = df['Pclass'],y = medianfill['Age'])
plt.title('Age Box Plot by Pclass')
plt.xlabel('Pclass')
plt.ylabel('Age')
plt.show()
```



```
In [12]: len(medianfill[(medianfill["Age"] >= 30) & (medianfill["Age"] <= 50)])
```

```
Out[12]: 266
```