

Homework 3

PSTAT 131/231

Contents

Classification	1
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Classification

For this assignment, we will be working with part of a Kaggle data set that was the subject of a machine learning competition and is often used for practicing ML models. The goal is classification; specifically, to predict which passengers would survive the Titanic shipwreck.

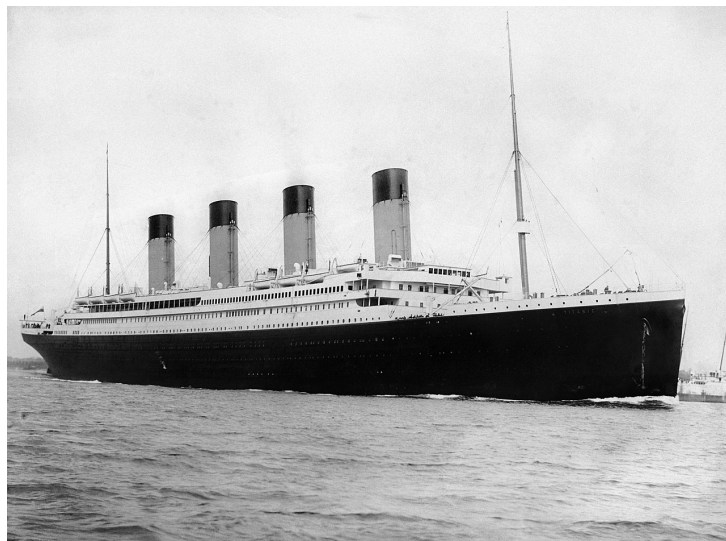


Figure 1: Fig. 1: RMS Titanic departing Southampton on April 10, 1912.

Load the data from `data/titanic.csv` into *R* and familiarize yourself with the variables it contains using the codebook (`data/titanic_codebook.txt`).

Notice that `survived` and `pclass` should be changed to factors. When changing `survived` to a factor, you may want to reorder the factor so that “Yes” is the first level.

Make sure you load the `tidyverse` and `tidymodels`!

```
titanic_data <- read.csv(file = "titanic.csv")
titanic_data$survived = as.factor(titanic_data$survived)
titanic_data$pclass = as.factor(titanic_data$pclass)
titanic_data
```

##	passenger_id	survived	pclass
## 1	1	No	3
## 2	2	Yes	1
## 3	3	Yes	3
## 4	4	Yes	1
## 5	5	No	3
## 6	6	No	3
## 7	7	No	1
## 8	8	No	3
## 9	9	Yes	3
## 10	10	Yes	2
## 11	11	Yes	3
## 12	12	Yes	1
## 13	13	No	3
## 14	14	No	3
## 15	15	No	3
## 16	16	Yes	2
## 17	17	No	3
## 18	18	Yes	2
## 19	19	No	3
## 20	20	Yes	3
## 21	21	No	2
## 22	22	Yes	2
## 23	23	Yes	3
## 24	24	Yes	1
## 25	25	No	3
## 26	26	Yes	3
## 27	27	No	3
## 28	28	No	1
## 29	29	Yes	3
## 30	30	No	3
## 31	31	No	1
## 32	32	Yes	1
## 33	33	Yes	3
## 34	34	No	2
## 35	35	No	1
## 36	36	No	1
## 37	37	Yes	3
## 38	38	No	3
## 39	39	No	3
## 40	40	Yes	3
## 41	41	No	3
## 42	42	No	2
## 43	43	No	3
## 44	44	Yes	2
## 45	45	Yes	3
## 46	46	No	3
## 47	47	No	3
## 48	48	Yes	3
## 49	49	No	3
## 50	50	No	3
## 51	51	No	3
## 52	52	No	3
## 53	53	Yes	1

## 54	54	Yes	2
## 55	55	No	1
## 56	56	Yes	1
## 57	57	Yes	2
## 58	58	No	3
## 59	59	Yes	2
## 60	60	No	3
## 61	61	No	3
## 62	62	Yes	1
## 63	63	No	1
## 64	64	No	3
## 65	65	No	1
## 66	66	Yes	3
## 67	67	Yes	2
## 68	68	No	3
## 69	69	Yes	3
## 70	70	No	3
## 71	71	No	2
## 72	72	No	3
## 73	73	No	2
## 74	74	No	3
## 75	75	Yes	3
## 76	76	No	3
## 77	77	No	3
## 78	78	No	3
## 79	79	Yes	2
## 80	80	Yes	3
## 81	81	No	3
## 82	82	Yes	3
## 83	83	Yes	3
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## 85	85	Yes	2
## 86	86	Yes	3
## 87	87	No	3
## 88	88	No	3
## 89	89	Yes	1
## 90	90	No	3
## 91	91	No	3
## 92	92	No	3
## 93	93	No	1
## 94	94	No	3
## 95	95	No	3
## 96	96	No	3
## 97	97	No	1
## 98	98	Yes	1
## 99	99	Yes	2
## 100	100	No	2
## 101	101	No	3
## 102	102	No	3
## 103	103	No	1
## 104	104	No	3
## 105	105	No	3
## 106	106	No	3
## 107	107	Yes	3

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## 109	109	No	3
## 110	110	Yes	3
## 111	111	No	1
## 112	112	No	3
## 113	113	No	3
## 114	114	No	3
## 115	115	No	3
## 116	116	No	3
## 117	117	No	3
## 118	118	No	2
## 119	119	No	1
## 120	120	No	3
## 121	121	No	2
## 122	122	No	3
## 123	123	No	2
## 124	124	Yes	2
## 125	125	No	1
## 126	126	Yes	3
## 127	127	No	3
## 128	128	Yes	3
## 129	129	Yes	3
## 130	130	No	3
## 131	131	No	3
## 132	132	No	3
## 133	133	No	3
## 134	134	Yes	2
## 135	135	No	2
## 136	136	No	2
## 137	137	Yes	1
## 138	138	No	1
## 139	139	No	3
## 140	140	No	1
## 141	141	No	3
## 142	142	Yes	3
## 143	143	Yes	3
## 144	144	No	3
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## 156	156	No	1
## 157	157	Yes	3
## 158	158	No	3
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## 161	161	No	3

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## 163	163	No	3
## 164	164	No	3
## 165	165	No	3
## 166	166	Yes	3
## 167	167	Yes	1
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## 169	169	No	1
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## 171	171	No	1
## 172	172	No	3
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## 190	190	No	3
## 191	191	Yes	2
## 192	192	No	2
## 193	193	Yes	3
## 194	194	Yes	2
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## 197	197	No	3
## 198	198	No	3
## 199	199	Yes	3
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## 201	201	No	3
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## 212	212	Yes	2
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## 251	251	No	3
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## 257	257	Yes	1
## 258	258	Yes	1
## 259	259	Yes	1
## 260	260	Yes	2
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## 263	263	No	1
## 264	264	No	1
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## 266	266	No	2
## 267	267	No	3
## 268	268	Yes	3
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## 428	428	Yes	2
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## 431	431	Yes	1

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## 580	580	Yes	3
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## 587	587	No	2
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## 597	597	Yes	2
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## 601	601	Yes	2
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## 615	615	No	3
## 616	616	Yes	2
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## 620	620	No	2
## 621	621	No	3
## 622	622	Yes	1
## 623	623	Yes	3
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## 627	627	No	2
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## 629	629	No	3
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## 658	658	No	3
## 659	659	No	2
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## 661	661	Yes	1
## 662	662	No	3
## 663	663	No	1
## 664	664	No	3
## 665	665	Yes	3
## 666	666	No	2
## 667	667	No	2
## 668	668	No	3
## 669	669	No	3
## 670	670	Yes	1
## 671	671	Yes	2
## 672	672	No	1
## 673	673	No	2
## 674	674	Yes	2
## 675	675	No	2
## 676	676	No	3
## 677	677	No	3
## 678	678	Yes	3
## 679	679	No	3
## 680	680	Yes	1
## 681	681	No	3
## 682	682	Yes	1
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## 684	684	No	3
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## 686	686	No	2
## 687	687	No	3
## 688	688	No	3
## 689	689	No	3
## 690	690	Yes	1
## 691	691	Yes	1
## 692	692	Yes	3
## 693	693	Yes	3
## 694	694	No	3
## 695	695	No	1
## 696	696	No	2
## 697	697	No	3
## 698	698	Yes	3
## 699	699	No	1
## 700	700	No	3
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## 702	702	Yes	1
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## 705	705	No	3
## 706	706	No	2
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## 709	709	Yes	1
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## 715	715	No	2
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## 718	718	Yes	2
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## 720	720	No	3
## 721	721	Yes	2
## 722	722	No	3
## 723	723	No	2
## 724	724	No	2
## 725	725	Yes	1
## 726	726	No	3
## 727	727	Yes	2
## 728	728	Yes	3
## 729	729	No	2
## 730	730	No	3
## 731	731	Yes	1
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## 739	739	No	3
## 740	740	No	3
## 741	741	Yes	1
## 742	742	No	1
## 743	743	Yes	1
## 744	744	No	3
## 745	745	Yes	3
## 746	746	No	1
## 747	747	No	3
## 748	748	Yes	2
## 749	749	No	1
## 750	750	No	3
## 751	751	Yes	2
## 752	752	Yes	3
## 753	753	No	3
## 754	754	No	3
## 755	755	Yes	2

## 756	756	Yes	2
## 757	757	No	3
## 758	758	No	2
## 759	759	No	3
## 760	760	Yes	1
## 761	761	No	3
## 762	762	No	3
## 763	763	Yes	3
## 764	764	Yes	1
## 765	765	No	3
## 766	766	Yes	1
## 767	767	No	1
## 768	768	No	3
## 769	769	No	3
## 770	770	No	3
## 771	771	No	3
## 772	772	No	3
## 773	773	No	2
## 774	774	No	3
## 775	775	Yes	2
## 776	776	No	3
## 777	777	No	3
## 778	778	Yes	3
## 779	779	No	3
## 780	780	Yes	1
## 781	781	Yes	3
## 782	782	Yes	1
## 783	783	No	1
## 784	784	No	3
## 785	785	No	3
## 786	786	No	3
## 787	787	Yes	3
## 788	788	No	3
## 789	789	Yes	3
## 790	790	No	1
## 791	791	No	3
## 792	792	No	2
## 793	793	No	3
## 794	794	No	1
## 795	795	No	3
## 796	796	No	2
## 797	797	Yes	1
## 798	798	Yes	3
## 799	799	No	3
## 800	800	No	3
## 801	801	No	2
## 802	802	Yes	2
## 803	803	Yes	1
## 804	804	Yes	3
## 805	805	Yes	3
## 806	806	No	3
## 807	807	No	1
## 808	808	No	3
## 809	809	No	2

## 810	810	Yes	1
## 811	811	No	3
## 812	812	No	3
## 813	813	No	2
## 814	814	No	3
## 815	815	No	3
## 816	816	No	1
## 817	817	No	3
## 818	818	No	2
## 819	819	No	3
## 820	820	No	3
## 821	821	Yes	1
## 822	822	Yes	3
## 823	823	No	1
## 824	824	Yes	3
## 825	825	No	3
## 826	826	No	3
## 827	827	No	3
## 828	828	Yes	2
## 829	829	Yes	3
## 830	830	Yes	1
## 831	831	Yes	3
## 832	832	Yes	2
## 833	833	No	3
## 834	834	No	3
## 835	835	No	3
## 836	836	Yes	1
## 837	837	No	3
## 838	838	No	3
## 839	839	Yes	3
## 840	840	Yes	1
## 841	841	No	3
## 842	842	No	2
## 843	843	Yes	1
## 844	844	No	3
## 845	845	No	3
## 846	846	No	3
## 847	847	No	3
## 848	848	No	3
## 849	849	No	2
## 850	850	Yes	1
## 851	851	No	3
## 852	852	No	3
## 853	853	No	3
## 854	854	Yes	1
## 855	855	No	2
## 856	856	Yes	3
## 857	857	Yes	1
## 858	858	Yes	1
## 859	859	Yes	3
## 860	860	No	3
## 861	861	No	3
## 862	862	No	2
## 863	863	Yes	1

## 864	864	No	3
## 865	865	No	2
## 866	866	Yes	2
## 867	867	Yes	2
## 868	868	No	1
## 869	869	No	3
## 870	870	Yes	3
## 871	871	No	3
## 872	872	Yes	1
## 873	873	No	1
## 874	874	No	3
## 875	875	Yes	2
## 876	876	Yes	3
## 877	877	No	3
## 878	878	No	3
## 879	879	No	3
## 880	880	Yes	1
## 881	881	Yes	2
## 882	882	No	3
## 883	883	No	3
## 884	884	No	2
## 885	885	No	3
## 886	886	No	3
## 887	887	No	2
## 888	888	Yes	1
## 889	889	No	3
## 890	890	Yes	1
## 891	891	No	3

##	name
## 1	Braund, Mr. Owen Harris
## 2	Cumings, Mrs. John Bradley (Florence Briggs Thayer)
## 3	Heikkinen, Miss. Laina
## 4	Futrelle, Mrs. Jacques Heath (Lily May Peel)
## 5	Allen, Mr. William Henry
## 6	Moran, Mr. James
## 7	McCarthy, Mr. Timothy J
## 8	Palsson, Master. Gosta Leonard
## 9	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)
## 10	Nasser, Mrs. Nicholas (Adele Achem)
## 11	Sandstrom, Miss. Marguerite Rut
## 12	Bonnell, Miss. Elizabeth
## 13	Saunderscock, Mr. William Henry
## 14	Andersson, Mr. Anders Johan
## 15	Vestrom, Miss. Hulda Amanda Adolfina
## 16	Hewlett, Mrs. (Mary D Kingcome)
## 17	Rice, Master. Eugene
## 18	Williams, Mr. Charles Eugene
## 19	Vander Planke, Mrs. Julius (Emelia Maria Vandemoortele)
## 20	Masselmani, Mrs. Fatima
## 21	Fynney, Mr. Joseph J
## 22	Beesley, Mr. Lawrence
## 23	McGowan, Miss. Anna "Annie"
## 24	Sloper, Mr. William Thompson
## 25	Palsson, Miss. Torborg Danira

## 26	Asplund, Mrs. Carl Oscar (Selma Augusta Emilia Johansson)
## 27	Emir, Mr. Farred Chehab
## 28	Fortune, Mr. Charles Alexander
## 29	O'Dwyer, Miss. Ellen "Nellie"
## 30	Todoroff, Mr. Lelio
## 31	Uruchurtu, Don. Manuel E
## 32	Spencer, Mrs. William Augustus (Marie Eugenie)
## 33	Glynn, Miss. Mary Agatha
## 34	Wheadon, Mr. Edward H
## 35	Meyer, Mr. Edgar Joseph
## 36	Holverson, Mr. Alexander Oskar
## 37	Mamee, Mr. Hanna
## 38	Cann, Mr. Ernest Charles
## 39	Vander Planke, Miss. Augusta Maria
## 40	Nicola-Yarred, Miss. Jamila
## 41	Ahlin, Mrs. Johan (Johanna Persdotter Larsson)
## 42	Turpin, Mrs. William John Robert (Dorothy Ann Wonnacott)
## 43	Kraeff, Mr. Theodor
## 44	Laroche, Miss. Simonne Marie Anne Andree
## 45	Devaney, Miss. Margaret Delia
## 46	Rogers, Mr. William John
## 47	Lennon, Mr. Denis
## 48	O'Driscoll, Miss. Bridget
## 49	Samaan, Mr. Youssef
## 50	Arnold-Franchi, Mrs. Josef (Josefine Franchi)
## 51	Panula, Master. Juha Niilo
## 52	Nosworthy, Mr. Richard Cater
## 53	Harper, Mrs. Henry Sleeper (Myna Haxtun)
## 54	Faunthorpe, Mrs. Lizzie (Elizabeth Anne Wilkinson)
## 55	Ostby, Mr. Engelhart Cornelius
## 56	Woolner, Mr. Hugh
## 57	Rugg, Miss. Emily
## 58	Novel, Mr. Mansouer
## 59	West, Miss. Constance Mirium
## 60	Goodwin, Master. William Frederick
## 61	Sirayanian, Mr. Orsen
## 62	Icard, Miss. Amelie
## 63	Harris, Mr. Henry Birkhardt
## 64	Skoog, Master. Harald
## 65	Stewart, Mr. Albert A
## 66	Moubarek, Master. Gerios
## 67	Nye, Mrs. (Elizabeth Ramell)
## 68	Crease, Mr. Ernest James
## 69	Andersson, Miss. Erna Alexandra
## 70	Kink, Mr. Vincenz
## 71	Jenkin, Mr. Stephen Curnow
## 72	Goodwin, Miss. Lillian Amy
## 73	Hood, Mr. Ambrose Jr
## 74	Chronopoulos, Mr. Apostolos
## 75	Bing, Mr. Lee
## 76	Moen, Mr. Sigurd Hansen
## 77	Staneff, Mr. Ivan
## 78	Moutal, Mr. Rahamin Haim
## 79	Caldwell, Master. Alden Gates

## 80	Dowdell, Miss. Elizabeth
## 81	Waelens, Mr. Achille
## 82	Sheerlinck, Mr. Jan Baptist
## 83	McDermott, Miss. Brigdet Delia
## 84	Carrau, Mr. Francisco M
## 85	Ilett, Miss. Bertha
## 86	Backstrom, Mrs. Karl Alfred (Maria Mathilda Gustafsson)
## 87	Ford, Mr. William Neal
## 88	Slocovski, Mr. Selman Francis
## 89	Fortune, Miss. Mabel Helen
## 90	Celotti, Mr. Francesco
## 91	Christmann, Mr. Emil
## 92	Andreasson, Mr. Paul Edvin
## 93	Chaffee, Mr. Herbert Fuller
## 94	Dean, Mr. Bertram Frank
## 95	Coxon, Mr. Daniel
## 96	Shorney, Mr. Charles Joseph
## 97	Goldschmidt, Mr. George B
## 98	Greenfield, Mr. William Bertram
## 99	Doling, Mrs. John T (Ada Julia Bone)
## 100	Kantor, Mr. Sinai
## 101	Petranec, Miss. Matilda
## 102	Petroff, Mr. Pastcho ("Pentcho")
## 103	White, Mr. Richard Frasar
## 104	Johansson, Mr. Gustaf Joel
## 105	Gustafsson, Mr. Anders Vilhelm
## 106	Mionoff, Mr. Stoytcho
## 107	Salkjelsvik, Miss. Anna Kristine
## 108	Moss, Mr. Albert Johan
## 109	Rekic, Mr. Tido
## 110	Moran, Miss. Bertha
## 111	Porter, Mr. Walter Chamberlain
## 112	Zabour, Miss. Hileni
## 113	Barton, Mr. David John
## 114	Jussila, Miss. Katriina
## 115	Attalah, Miss. Malake
## 116	Pekoniemi, Mr. Edvard
## 117	Connors, Mr. Patrick
## 118	Turpin, Mr. William John Robert
## 119	Baxter, Mr. Quigg Edmond
## 120	Andersson, Miss. Ellis Anna Maria
## 121	Hickman, Mr. Stanley George
## 122	Moore, Mr. Leonard Charles
## 123	Nasser, Mr. Nicholas
## 124	Webber, Miss. Susan
## 125	White, Mr. Percival Wayland
## 126	Nicola-Yarred, Master. Elias
## 127	McMahon, Mr. Martin
## 128	Madsen, Mr. Fridtjof Arne
## 129	Peter, Miss. Anna
## 130	Ekstrom, Mr. Johan
## 131	Drazenoic, Mr. Jozef
## 132	Coelho, Mr. Domingos Fernandeo
## 133	Robins, Mrs. Alexander A (Grace Charity Laury)

134 Weisz, Mrs. Leopold (Mathilde Francoise Pede)
 ## 135 Sobey, Mr. Samuel James Hayden
 ## 136 Richard, Mr. Emile
 ## 137 Newsom, Miss. Helen Monypeny
 ## 138 Futrelle, Mr. Jacques Heath
 ## 139 Osen, Mr. Olaf Elon
 ## 140 Giglio, Mr. Victor
 ## 141 Boulos, Mrs. Joseph (Sultana)
 ## 142 Nysten, Miss. Anna Sofia
 ## 143 Hakkarainen, Mrs. Pekka Pietari (Elin Matilda Dolck)
 ## 144 Burke, Mr. Jeremiah
 ## 145 Andrew, Mr. Edgardo Samuel
 ## 146 Nicholls, Mr. Joseph Charles
 ## 147 Andersson, Mr. August Edvard ("Wennerstrom")
 ## 148 Ford, Miss. Robina Maggie "Ruby"
 ## 149 Navratil, Mr. Michel ("Louis M Hoffman")
 ## 150 Byles, Rev. Thomas Roussel Davids
 ## 151 Bateman, Rev. Robert James
 ## 152 Pears, Mrs. Thomas (Edith Wearne)
 ## 153 Meo, Mr. Alfonzo
 ## 154 van Billiard, Mr. Austin Blyler
 ## 155 Olsen, Mr. Ole Martin
 ## 156 Williams, Mr. Charles Duane
 ## 157 Gilnagh, Miss. Katherine "Katie"
 ## 158 Corn, Mr. Harry
 ## 159 Smiljanic, Mr. Mile
 ## 160 Sage, Master. Thomas Henry
 ## 161 Cribb, Mr. John Hatfield
 ## 162 Watt, Mrs. James (Elizabeth "Bessie" Inglis Milne)
 ## 163 Bengtsson, Mr. John Viktor
 ## 164 Calic, Mr. Jovo
 ## 165 Panula, Master. Eino Viljami
 ## 166 Goldsmith, Master. Frank John William "Frankie"
 ## 167 Chibnall, Mrs. (Edith Martha Bowerman)
 ## 168 Skoog, Mrs. William (Anna Bernhardina Karlsson)
 ## 169 Baumann, Mr. John D
 ## 170 Ling, Mr. Lee
 ## 171 Van der hoef, Mr. Wyckoff
 ## 172 Rice, Master. Arthur
 ## 173 Johnson, Miss. Eleanor Ileen
 ## 174 Sivola, Mr. Antti Wilhelm
 ## 175 Smith, Mr. James Clinch
 ## 176 Klasen, Mr. Klas Albin
 ## 177 Lefebvre, Master. Henry Forbes
 ## 178 Isham, Miss. Ann Elizabeth
 ## 179 Hale, Mr. Reginald
 ## 180 Leonard, Mr. Lionel
 ## 181 Sage, Miss. Constance Gladys
 ## 182 Pernot, Mr. Rene
 ## 183 Asplund, Master. Clarence Gustaf Hugo
 ## 184 Becker, Master. Richard F
 ## 185 Kink-Heilmann, Miss. Luise Gretchen
 ## 186 Rood, Mr. Hugh Roscoe
 ## 187 O'Brien, Mrs. Thomas (Johanna "Hannah" Godfrey)

## 188	Romaine, Mr. Charles Hallace ("Mr C Rolmane")
## 189	Bourke, Mr. John
## 190	Turcin, Mr. Stjepan
## 191	Pinsky, Mrs. (Rosa)
## 192	Carbines, Mr. William
## 193	Andersen-Jensen, Miss. Carla Christine Nielsine
## 194	Navratil, Master. Michel M
## 195	Brown, Mrs. James Joseph (Margaret Tobin)
## 196	Lurette, Miss. Elise
## 197	Mernagh, Mr. Robert
## 198	Olsen, Mr. Karl Siegwart Andreas
## 199	Madigan, Miss. Margaret "Maggie"
## 200	Yrois, Miss. Henriette ("Mrs Harbeck")
## 201	Vande Walle, Mr. Nestor Cyriel
## 202	Sage, Mr. Frederick
## 203	Johanson, Mr. Jakob Alfred
## 204	Youseff, Mr. Gerious
## 205	Cohen, Mr. Gurshon "Gus"
## 206	Strom, Miss. Telma Matilda
## 207	Backstrom, Mr. Karl Alfred
## 208	Albimona, Mr. Nassef Cassem
## 209	Carr, Miss. Helen "Ellen"
## 210	Blank, Mr. Henry
## 211	Ali, Mr. Ahmed
## 212	Cameron, Miss. Clear Annie
## 213	Perkin, Mr. John Henry
## 214	Givard, Mr. Hans Kristensen
## 215	Kiernan, Mr. Philip
## 216	Newell, Miss. Madeleine
## 217	Honkanen, Miss. Eliina
## 218	Jacobsohn, Mr. Sidney Samuel
## 219	Bazzani, Miss. Albina
## 220	Harris, Mr. Walter
## 221	Sunderland, Mr. Victor Francis
## 222	Bracken, Mr. James H
## 223	Green, Mr. George Henry
## 224	Nenkoff, Mr. Christo
## 225	Hoyt, Mr. Frederick Maxfield
## 226	Berglund, Mr. Karl Ivar Sven
## 227	Mellors, Mr. William John
## 228	Lovell, Mr. John Hall ("Henry")
## 229	Fahlstrom, Mr. Arne Jonas
## 230	Lefebvre, Miss. Mathilde
## 231	Harris, Mrs. Henry Birkhardt (Irene Wallach)
## 232	Larsson, Mr. Bengt Edvin
## 233	Sjostedt, Mr. Ernst Adolf
## 234	Asplund, Miss. Lillian Gertrud
## 235	Leyson, Mr. Robert William Norman
## 236	Harknett, Miss. Alice Phoebe
## 237	Hold, Mr. Stephen
## 238	Collyer, Miss. Marjorie "Lottie"
## 239	Pengelly, Mr. Frederick William
## 240	Hunt, Mr. George Henry
## 241	Zabour, Miss. Thamine

## 242	Murphy, Miss. Katherine "Kate"
## 243	Coleridge, Mr. Reginald Charles
## 244	Maenpaa, Mr. Matti Alexanteri
## 245	Attalah, Mr. Sleiman
## 246	Minahan, Dr. William Edward
## 247	Lindahl, Miss. Agda Thorilda Viktoria
## 248	Hamalainen, Mrs. William (Anna)
## 249	Beckwith, Mr. Richard Leonard
## 250	Carter, Rev. Ernest Courtenay
## 251	Reed, Mr. James George
## 252	Strom, Mrs. Wilhelm (Elna Matilda Persson)
## 253	Stead, Mr. William Thomas
## 254	Lobb, Mr. William Arthur
## 255	Rosblom, Mrs. Viktor (Helena Wilhelmina)
## 256	Touma, Mrs. Darwis (Hanne Youssef Razi)
## 257	Thorne, Mrs. Gertrude Maybelle
## 258	Cherry, Miss. Gladys
## 259	Ward, Miss. Anna
## 260	Parrish, Mrs. (Lutie Davis)
## 261	Smith, Mr. Thomas
## 262	Asplund, Master. Edvin Rojj Felix
## 263	Taussig, Mr. Emil
## 264	Harrison, Mr. William
## 265	Henry, Miss. Delia
## 266	Reeves, Mr. David
## 267	Panula, Mr. Ernesti Arvid
## 268	Persson, Mr. Ernst Ulrik
## 269	Graham, Mrs. William Thompson (Edith Junkins)
## 270	Bissette, Miss. Amelia
## 271	Cairns, Mr. Alexander
## 272	Tornquist, Mr. William Henry
## 273	Mellinger, Mrs. (Elizabeth Anne Maidment)
## 274	Natsch, Mr. Charles H
## 275	Healy, Miss. Hanora "Nora"
## 276	Andrews, Miss. Kornelia Theodosia
## 277	Lindblom, Miss. Augusta Charlotta
## 278	Parkes, Mr. Francis "Frank"
## 279	Rice, Master. Eric
## 280	Abbott, Mrs. Stanton (Rosa Hunt)
## 281	Duane, Mr. Frank
## 282	Olsson, Mr. Nils Johan Goransson
## 283	de Pelsmaecker, Mr. Alfons
## 284	Dorking, Mr. Edward Arthur
## 285	Smith, Mr. Richard William
## 286	Stankovic, Mr. Ivan
## 287	de Mulder, Mr. Theodore
## 288	Naidenoff, Mr. Penko
## 289	Hosono, Mr. Masabumi
## 290	Connolly, Miss. Kate
## 291	Barber, Miss. Ellen "Nellie"
## 292	Bishop, Mrs. Dickinson H (Helen Walton)
## 293	Levy, Mr. Rene Jacques
## 294	Haas, Miss. Aloisia
## 295	Mineff, Mr. Ivan

296 Lewy, Mr. Ervin G
 ## 297 Hanna, Mr. Mansour
 ## 298 Allison, Miss. Helen Loraine
 ## 299 Saalfeld, Mr. Adolphe
 ## 300 Baxter, Mrs. James (Helene DeLaudeniére Chaput)
 ## 301 Kelly, Miss. Anna Katherine "Annie Kate"
 ## 302 McCoy, Mr. Bernard
 ## 303 Johnson, Mr. William Cahoon Jr
 ## 304 Keane, Miss. Nora A
 ## 305 Williams, Mr. Howard Hugh "Harry"
 ## 306 Allison, Master. Hudson Trevor
 ## 307 Fleming, Miss. Margaret
 ## 308 Penasco y Castellana, Mrs. Victor de Satode (Maria Josefa Perez de Soto y Vallejo)
 ## 309 Abelson, Mr. Samuel
 ## 310 Francatelli, Miss. Laura Mabel
 ## 311 Hays, Miss. Margaret Bechstein
 ## 312 Ryerson, Miss. Emily Borie
 ## 313 Lahtinen, Mrs. William (Anna Sylfven)
 ## 314 Hendekovic, Mr. Ignjac
 ## 315 Hart, Mr. Benjamin
 ## 316 Nilsson, Miss. Helmina Josefina
 ## 317 Kantor, Mrs. Sinai (Miriam Sternin)
 ## 318 Moraweck, Dr. Ernest
 ## 319 Wick, Miss. Mary Natalie
 ## 320 Spedden, Mrs. Frederic Oakley (Margaretta Corning Stone)
 ## 321 Dennis, Mr. Samuel
 ## 322 Danoff, Mr. Yoto
 ## 323 Slayter, Miss. Hilda Mary
 ## 324 Caldwell, Mrs. Albert Francis (Sylvia Mae Harbaugh)
 ## 325 Sage, Mr. George John Jr
 ## 326 Young, Miss. Marie Grice
 ## 327 Nysveen, Mr. Johan Hansen
 ## 328 Ball, Mrs. (Ada E Hall)
 ## 329 Goldsmith, Mrs. Frank John (Emily Alice Brown)
 ## 330 Hippach, Miss. Jean Gertrude
 ## 331 McCoy, Miss. Agnes
 ## 332 Partner, Mr. Austen
 ## 333 Graham, Mr. George Edward
 ## 334 Vander Planke, Mr. Leo Edmondus
 ## 335 Frauenthal, Mrs. Henry William (Clara Heinsheimer)
 ## 336 Denhoff, Mr. Mitto
 ## 337 Pears, Mr. Thomas Clinton
 ## 338 Burns, Miss. Elizabeth Margaret
 ## 339 Dahl, Mr. Karl Edwart
 ## 340 Blackwell, Mr. Stephen Weart
 ## 341 Navratil, Master. Edmond Roger
 ## 342 Fortune, Miss. Alice Elizabeth
 ## 343 Collander, Mr. Erik Gustaf
 ## 344 Sedgwick, Mr. Charles Frederick Waddington
 ## 345 Fox, Mr. Stanley Hubert
 ## 346 Brown, Miss. Amelia "Mildred"
 ## 347 Smith, Miss. Marion Elsie
 ## 348 Davison, Mrs. Thomas Henry (Mary E Finck)
 ## 349 Coutts, Master. William Loch "William"

## 350	Dimic, Mr. Jovan
## 351	Odahl, Mr. Nils Martin
## 352	Williams-Lambert, Mr. Fletcher Fellows
## 353	Elias, Mr. Tannous
## 354	Arnold-Franchi, Mr. Josef
## 355	Yousif, Mr. Wazli
## 356	Vanden Steen, Mr. Leo Peter
## 357	Bowerman, Miss. Elsie Edith
## 358	Funk, Miss. Annie Clemmer
## 359	McGovern, Miss. Mary
## 360	Mockler, Miss. Helen Mary "Ellie"
## 361	Skoog, Mr. Wilhelm
## 362	del Carlo, Mr. Sebastiano
## 363	Barbara, Mrs. (Catherine David)
## 364	Asim, Mr. Adola
## 365	O'Brien, Mr. Thomas
## 366	Adahl, Mr. Mauritz Nils Martin
## 367	Warren, Mrs. Frank Manley (Anna Sophia Atkinson)
## 368	Moussa, Mrs. (Mantoura Boulos)
## 369	Jermyn, Miss. Annie
## 370	Aubart, Mme. Leontine Pauline
## 371	Harder, Mr. George Achilles
## 372	Wiklund, Mr. Jakob Alfred
## 373	Beavan, Mr. William Thomas
## 374	Ringhini, Mr. Sante
## 375	Palsson, Miss. Stina Viola
## 376	Meyer, Mrs. Edgar Joseph (Leila Saks)
## 377	Landergren, Miss. Aurora Adelia
## 378	Widener, Mr. Harry Elkins
## 379	Betros, Mr. Tannous
## 380	Gustafsson, Mr. Karl Gideon
## 381	Bidois, Miss. Rosalie
## 382	Nakid, Miss. Maria ("Mary")
## 383	Tikkanen, Mr. Juho
## 384	Holverson, Mrs. Alexander Oskar (Mary Aline Towner)
## 385	Plotcharsky, Mr. Vasil
## 386	Davies, Mr. Charles Henry
## 387	Goodwin, Master. Sidney Leonard
## 388	Buss, Miss. Kate
## 389	Sadlier, Mr. Matthew
## 390	Lehmann, Miss. Bertha
## 391	Carter, Mr. William Ernest
## 392	Jansson, Mr. Carl Olof
## 393	Gustafsson, Mr. Johan Birger
## 394	Newell, Miss. Marjorie
## 395	Sandstrom, Mrs. Hjalmar (Agnes Charlotta Bengtsson)
## 396	Johansson, Mr. Erik
## 397	Olsson, Miss. Elina
## 398	McKane, Mr. Peter David
## 399	Pain, Dr. Alfred
## 400	Trout, Mrs. William H (Jessie L)
## 401	Niskanen, Mr. Juha
## 402	Adams, Mr. John
## 403	Jussila, Miss. Mari Aina

## 404	Hakkarainen, Mr. Pekka Pietari
## 405	Oreskovic, Miss. Marija
## 406	Gale, Mr. Shadrach
## 407	Widegren, Mr. Carl/Charles Peter
## 408	Richards, Master. William Rowe
## 409	Birkeland, Mr. Hans Martin Monsen
## 410	Lefebre, Miss. Ida
## 411	Sdycoff, Mr. Todor
## 412	Hart, Mr. Henry
## 413	Minahan, Miss. Daisy E
## 414	Cunningham, Mr. Alfred Fleming
## 415	Sundman, Mr. Johan Julian
## 416	Meek, Mrs. Thomas (Annie Louise Rowley)
## 417	Drew, Mrs. James Vivian (Lulu Thorne Christian)
## 418	Silven, Miss. Lyyli Karoliina
## 419	Matthews, Mr. William John
## 420	Van Impe, Miss. Catharina
## 421	Gheorgheff, Mr. Stanio
## 422	Charters, Mr. David
## 423	Zimmerman, Mr. Leo
## 424	Danbom, Mrs. Ernst Gilbert (Anna Sigrid Maria Brogren)
## 425	Rosblom, Mr. Viktor Richard
## 426	Wiseman, Mr. Phillippe
## 427	Clarke, Mrs. Charles V (Ada Maria Winfield)
## 428	Phillips, Miss. Kate Florence ("Mrs Kate Louise Phillips Marshall")
## 429	Flynn, Mr. James
## 430	Pickard, Mr. Berk (Berk Trembisky)
## 431	Bjornstrom-Steffansson, Mr. Mauritz Hakan
## 432	Thorneycroft, Mrs. Percival (Florence Kate White)
## 433	Louch, Mrs. Charles Alexander (Alice Adelaide Slow)
## 434	Kallio, Mr. Nikolai Erland
## 435	Silvey, Mr. William Baird
## 436	Carter, Miss. Lucile Polk
## 437	Ford, Miss. Doolina Margaret "Daisy"
## 438	Richards, Mrs. Sidney (Emily Hocking)
## 439	Fortune, Mr. Mark
## 440	Kvillner, Mr. Johan Henrik Johannesson
## 441	Hart, Mrs. Benjamin (Esther Ada Bloomfield)
## 442	Hampe, Mr. Leon
## 443	Petterson, Mr. Johan Emil
## 444	Reynaldo, Ms. Encarnacion
## 445	Johannesen-Bratthammer, Mr. Bernt
## 446	Dodge, Master. Washington
## 447	Mellinger, Miss. Madeleine Violet
## 448	Seward, Mr. Frederic Kimber
## 449	Baclini, Miss. Marie Catherine
## 450	Peuchen, Major. Arthur Godfrey
## 451	West, Mr. Edwy Arthur
## 452	Hagland, Mr. Ingvald Olai Olsen
## 453	Foreman, Mr. Benjamin Laventall
## 454	Goldenberg, Mr. Samuel L
## 455	Peduzzi, Mr. Joseph
## 456	Jalsevac, Mr. Ivan
## 457	Millet, Mr. Francis Davis

## 458	Kenyon, Mrs. Frederick R (Marion)
## 459	Toomey, Miss. Ellen
## 460	O'Connor, Mr. Maurice
## 461	Anderson, Mr. Harry
## 462	Morley, Mr. William
## 463	Gee, Mr. Arthur H
## 464	Milling, Mr. Jacob Christian
## 465	Maisner, Mr. Simon
## 466	Goncalves, Mr. Manuel Estanslas
## 467	Campbell, Mr. William
## 468	Smart, Mr. John Montgomery
## 469	Scanlan, Mr. James
## 470	Baclini, Miss. Helene Barbara
## 471	Keefe, Mr. Arthur
## 472	Cacic, Mr. Luka
## 473	West, Mrs. Edwy Arthur (Ada Mary Worth)
## 474	Jerwan, Mrs. Amin S (Marie Marthe Thuillard)
## 475	Strandberg, Miss. Ida Sofia
## 476	Clifford, Mr. George Quincy
## 477	Renouf, Mr. Peter Henry
## 478	Braund, Mr. Lewis Richard
## 479	Karlsson, Mr. Nils August
## 480	Hirvonen, Miss. Hildur E
## 481	Goodwin, Master. Harold Victor
## 482	Frost, Mr. Anthony Wood "Archie"
## 483	Rouse, Mr. Richard Henry
## 484	Turkula, Mrs. (Hedwig)
## 485	Bishop, Mr. Dickinson H
## 486	Lefebvre, Miss. Jeannie
## 487	Hoyt, Mrs. Frederick Maxfield (Jane Anne Forby)
## 488	Kent, Mr. Edward Austin
## 489	Somerton, Mr. Francis William
## 490	Coutts, Master. Eden Leslie "Neville"
## 491	Hagland, Mr. Konrad Mathias Reiersen
## 492	Windelov, Mr. Einar
## 493	Molson, Mr. Harry Markland
## 494	Artagaveytia, Mr. Ramon
## 495	Stanley, Mr. Edward Roland
## 496	Yousseff, Mr. Gerious
## 497	Eustis, Miss. Elizabeth Mussey
## 498	Shellard, Mr. Frederick William
## 499	Allison, Mrs. Hudson J C (Bessie Waldo Daniels)
## 500	Svensson, Mr. Olof
## 501	Calic, Mr. Petar
## 502	Canavan, Miss. Mary
## 503	O'Sullivan, Miss. Bridget Mary
## 504	Laitinen, Miss. Kristina Sofia
## 505	Maioni, Miss. Roberta
## 506	Penasco y Castellana, Mr. Victor de Satode
## 507	Quick, Mrs. Frederick Charles (Jane Richards)
## 508	Bradley, Mr. George ("George Arthur Brayton")
## 509	Olsen, Mr. Henry Margido
## 510	Lang, Mr. Fang
## 511	Daly, Mr. Eugene Patrick

512 Webber, Mr. James
 ## 513 McGough, Mr. James Robert
 ## 514 Rothschild, Mrs. Martin (Elizabeth L. Barrett)
 ## 515 Coleff, Mr. Satio
 ## 516 Walker, Mr. William Anderson
 ## 517 Lemoire, Mrs. (Amelia Milley)
 ## 518 Ryan, Mr. Patrick
 ## 519 Angle, Mrs. William A (Florence "Mary" Agnes Hughes)
 ## 520 Pavlovic, Mr. Stefo
 ## 521 Perreault, Miss. Anne
 ## 522 Vovk, Mr. Janko
 ## 523 Lahoud, Mr. Sarkis
 ## 524 Hippach, Mrs. Louis Albert (Ida Sophia Fischer)
 ## 525 Kassem, Mr. Fared
 ## 526 Farrell, Mr. James
 ## 527 Ridsdale, Miss. Lucy
 ## 528 Farthing, Mr. John
 ## 529 Salonen, Mr. Johan Werner
 ## 530 Hocking, Mr. Richard George
 ## 531 Quick, Miss. Phyllis May
 ## 532 Toufik, Mr. Nakli
 ## 533 Elias, Mr. Joseph Jr
 ## 534 Peter, Mrs. Catherine (Catherine Rizk)
 ## 535 Cacic, Miss. Marija
 ## 536 Hart, Miss. Eva Miriam
 ## 537 Butt, Major. Archibald Willingham
 ## 538 LeRoy, Miss. Bertha
 ## 539 Risien, Mr. Samuel Beard
 ## 540 Frolicher, Miss. Hedwig Margaritha
 ## 541 Crosby, Miss. Harriet R
 ## 542 Andersson, Miss. Ingeborg Constanzia
 ## 543 Andersson, Miss. Sigrid Elisabeth
 ## 544 Beane, Mr. Edward
 ## 545 Douglas, Mr. Walter Donald
 ## 546 Nicholson, Mr. Arthur Ernest
 ## 547 Beane, Mrs. Edward (Ethel Clarke)
 ## 548 Padro y Manent, Mr. Julian
 ## 549 Goldsmith, Mr. Frank John
 ## 550 Davies, Master. John Morgan Jr
 ## 551 Thayer, Mr. John Borland Jr
 ## 552 Sharp, Mr. Percival James R
 ## 553 O'Brien, Mr. Timothy
 ## 554 Leeni, Mr. Fahim ("Philip Zenni")
 ## 555 Ohman, Miss. Velin
 ## 556 Wright, Mr. George
 ## 557 Duff Gordon, Lady. (Lucille Christiana Sutherland) ("Mrs Morgan")
 ## 558 Robbins, Mr. Victor
 ## 559 Taussig, Mrs. Emil (Tillie Mandelbaum)
 ## 560 de Messemaeker, Mrs. Guillaume Joseph (Emma)
 ## 561 Morrow, Mr. Thomas Rowan
 ## 562 Sivic, Mr. Husein
 ## 563 Norman, Mr. Robert Douglas
 ## 564 Simmons, Mr. John
 ## 565 Meanwell, Miss. (Marion Ogden)

566 Davies, Mr. Alfred J
 ## 567 Stoytcheff, Mr. Ilia
 ## 568 Palsson, Mrs. Nils (Alma Cornelia Berglund)
 ## 569 Doharr, Mr. Tannous
 ## 570 Jonsson, Mr. Carl
 ## 571 Harris, Mr. George
 ## 572 Appleton, Mrs. Edward Dale (Charlotte Lamson)
 ## 573 Flynn, Mr. John Irwin ("Irving")
 ## 574 Kelly, Miss. Mary
 ## 575 Rush, Mr. Alfred George John
 ## 576 Patchett, Mr. George
 ## 577 Garside, Miss. Ethel
 ## 578 Silvey, Mrs. William Baird (Alice Munger)
 ## 579 Caram, Mrs. Joseph (Maria Elias)
 ## 580 Jussila, Mr. Eiriik
 ## 581 Christy, Miss. Julie Rachel
 ## 582 Thayer, Mrs. John Borland (Marian Longstreth Morris)
 ## 583 Downton, Mr. William James
 ## 584 Ross, Mr. John Hugo
 ## 585 Paulner, Mr. Uscher
 ## 586 Taussig, Miss. Ruth
 ## 587 Jarvis, Mr. John Denzil
 ## 588 Frolicher-Stehli, Mr. Maxmillian
 ## 589 Gilinski, Mr. Eliezer
 ## 590 Murdlin, Mr. Joseph
 ## 591 Rintamaki, Mr. Matti
 ## 592 Stephenson, Mrs. Walter Bertram (Martha Eustis)
 ## 593 Elsbury, Mr. William James
 ## 594 Bourke, Miss. Mary
 ## 595 Chapman, Mr. John Henry
 ## 596 Van Impe, Mr. Jean Baptiste
 ## 597 Leitch, Miss. Jessie Wills
 ## 598 Johnson, Mr. Alfred
 ## 599 Boulos, Mr. Hanna
 ## 600 Duff Gordon, Sir. Cosmo Edmund ("Mr Morgan")
 ## 601 Jacobsohn, Mrs. Sidney Samuel (Amy Frances Christy)
 ## 602 Slabenoff, Mr. Petco
 ## 603 Harrington, Mr. Charles H
 ## 604 Torber, Mr. Ernst William
 ## 605 Homer, Mr. Harry ("Mr E Haven")
 ## 606 Lindell, Mr. Edvard Bengtsson
 ## 607 Karaic, Mr. Milan
 ## 608 Daniel, Mr. Robert Williams
 ## 609 Laroche, Mrs. Joseph (Juliette Marie Louise Lafargue)
 ## 610 Shutes, Miss. Elizabeth W
 ## 611 Andersson, Mrs. Anders Johan (Alfrida Konstantia Brogren)
 ## 612 Jardin, Mr. Jose Neto
 ## 613 Murphy, Miss. Margaret Jane
 ## 614 Horgan, Mr. John
 ## 615 Brocklebank, Mr. William Alfred
 ## 616 Herman, Miss. Alice
 ## 617 Danbom, Mr. Ernst Gilbert
 ## 618 Lobb, Mrs. William Arthur (Cordelia K Stanlick)
 ## 619 Becker, Miss. Marion Louise

## 620	Gavey, Mr. Lawrence
## 621	Yasbeck, Mr. Antoni
## 622	Kimball, Mr. Edwin Nelson Jr
## 623	Nakid, Mr. Sahid
## 624	Hansen, Mr. Henry Damsgaard
## 625	Bowen, Mr. David John "Dai"
## 626	Sutton, Mr. Frederick
## 627	Kirkland, Rev. Charles Leonard
## 628	Longley, Miss. Gretchen Fiske
## 629	Bostandyeff, Mr. Guentcho
## 630	O'Connell, Mr. Patrick D
## 631	Barkworth, Mr. Algernon Henry Wilson
## 632	Lundahl, Mr. Johan Svensson
## 633	Stahelin-Maeglin, Dr. Max
## 634	Parr, Mr. William Henry Marsh
## 635	Skoog, Miss. Mabel
## 636	Davis, Miss. Mary
## 637	Leinonen, Mr. Antti Gustaf
## 638	Collyer, Mr. Harvey
## 639	Panula, Mrs. Juha (Maria Emilia Ojala)
## 640	Thorneycroft, Mr. Percival
## 641	Jensen, Mr. Hans Peder
## 642	Sagesser, Mlle. Emma
## 643	Skoog, Miss. Margit Elizabeth
## 644	Foo, Mr. Choong
## 645	Baclini, Miss. Eugenie
## 646	Harper, Mr. Henry Sleeper
## 647	Cor, Mr. Liudevit
## 648	Simonius-Blumer, Col. Oberst Alfons
## 649	Willey, Mr. Edward
## 650	Stanley, Miss. Amy Zillah Elsie
## 651	Mitkoff, Mr. Mito
## 652	Doling, Miss. Elsie
## 653	Kalvik, Mr. Johannes Halvorsen
## 654	O'Leary, Miss. Hanora "Norah"
## 655	Hegarty, Miss. Hanora "Nora"
## 656	Hickman, Mr. Leonard Mark
## 657	Radeff, Mr. Alexander
## 658	Bourke, Mrs. John (Catherine)
## 659	Eitemiller, Mr. George Floyd
## 660	Newell, Mr. Arthur Webster
## 661	Frauenthal, Dr. Henry William
## 662	Badt, Mr. Mohamed
## 663	Colley, Mr. Edward Pomeroy
## 664	Coleff, Mr. Peju
## 665	Lindqvist, Mr. Eino William
## 666	Hickman, Mr. Lewis
## 667	Butler, Mr. Reginald Fenton
## 668	Rommetvedt, Mr. Knud Paust
## 669	Cook, Mr. Jacob
## 670	Taylor, Mrs. Elmer Zebley (Juliet Cummins Wright)
## 671	Brown, Mrs. Thomas William Solomon (Elizabeth Catherine Ford)
## 672	Davidson, Mr. Thornton
## 673	Mitchell, Mr. Henry Michael

## 674	Wilhelms, Mr. Charles
## 675	Watson, Mr. Ennis Hastings
## 676	Edvardsson, Mr. Gustaf Hjalmar
## 677	Sawyer, Mr. Frederick Charles
## 678	Turja, Miss. Anna Sofia
## 679	Goodwin, Mrs. Frederick (Augusta Tyler)
## 680	Cardeza, Mr. Thomas Drake Martinez
## 681	Peters, Miss. Katie
## 682	Hassab, Mr. Hammad
## 683	Olsvigen, Mr. Thor Anderson
## 684	Goodwin, Mr. Charles Edward
## 685	Brown, Mr. Thomas William Solomon
## 686	Laroche, Mr. Joseph Philippe Lemercier
## 687	Panula, Mr. Jaako Arnold
## 688	Dakic, Mr. Branko
## 689	Fischer, Mr. Eberhard Thelander
## 690	Madill, Miss. Georgette Alexandra
## 691	Dick, Mr. Albert Adrian
## 692	Karun, Miss. Manca
## 693	Lam, Mr. Ali
## 694	Saad, Mr. Khalil
## 695	Weir, Col. John
## 696	Chapman, Mr. Charles Henry
## 697	Kelly, Mr. James
## 698	Mullens, Miss. Katherine "Katie"
## 699	Thayer, Mr. John Borland
## 700	Humblen, Mr. Adolf Mathias Nicolai Olsen
## 701	Astor, Mrs. John Jacob (Madeleine Talmadge Force)
## 702	Silverthorne, Mr. Spencer Victor
## 703	Barbara, Miss. Saiide
## 704	Gallagher, Mr. Martin
## 705	Hansen, Mr. Henrik Juul
## 706	Morley, Mr. Henry Samuel ("Mr Henry Marshall")
## 707	Kelly, Mrs. Florence "Fannie"
## 708	Calderhead, Mr. Edward Pennington
## 709	Cleaver, Miss. Alice
## 710	Moubarek, Master. Halim Gonios ("William George")
## 711	Mayne, Mlle. Berthe Antonine ("Mrs de Villiers")
## 712	Klaber, Mr. Herman
## 713	Taylor, Mr. Elmer Zebley
## 714	Larsson, Mr. August Viktor
## 715	Greenberg, Mr. Samuel
## 716	Soholt, Mr. Peter Andreas Lauritz Andersen
## 717	Endres, Miss. Caroline Louise
## 718	Troutt, Miss. Edwina Celia "Winnie"
## 719	McEvoy, Mr. Michael
## 720	Johnson, Mr. Malkolm Joackim
## 721	Harper, Miss. Annie Jessie "Nina"
## 722	Jensen, Mr. Svend Lauritz
## 723	Gillespie, Mr. William Henry
## 724	Hodges, Mr. Henry Price
## 725	Chambers, Mr. Norman Campbell
## 726	Oreskovic, Mr. Luka
## 727	Renouf, Mrs. Peter Henry (Lillian Jefferys)

## 728	Mannion, Miss. Margareth
## 729	Bryhl, Mr. Kurt Arnold Gottfrid
## 730	Ilmakangas, Miss. Pieta Sofia
## 731	Allen, Miss. Elisabeth Walton
## 732	Hassan, Mr. Houssein G N
## 733	Knight, Mr. Robert J
## 734	Berriman, Mr. William John
## 735	Troupiansky, Mr. Moses Aaron
## 736	Williams, Mr. Leslie
## 737	Ford, Mrs. Edward (Margaret Ann Watson)
## 738	Lesurer, Mr. Gustave J
## 739	Ivanoff, Mr. Kanio
## 740	Nankoff, Mr. Minko
## 741	Hawksford, Mr. Walter James
## 742	Cavendish, Mr. Tyrell William
## 743	Ryerson, Miss. Susan Parker "Suzette"
## 744	McNamee, Mr. Neal
## 745	Stranden, Mr. Juho
## 746	Crosby, Capt. Edward Gifford
## 747	Abbott, Mr. Rossmore Edward
## 748	Sinkkonen, Miss. Anna
## 749	Marvin, Mr. Daniel Warner
## 750	Connaghton, Mr. Michael
## 751	Wells, Miss. Joan
## 752	Moor, Master. Meier
## 753	Vande Velde, Mr. Johannes Joseph
## 754	Jonkoff, Mr. Lelio
## 755	Herman, Mrs. Samuel (Jane Laver)
## 756	Hamalainen, Master. Viljo
## 757	Carlsson, Mr. August Sigfrid
## 758	Bailey, Mr. Percy Andrew
## 759	Theobald, Mr. Thomas Leonard
## 760	Roths, the Countess. of (Lucy Noel Martha Dyer-Edwards)
## 761	Garfirth, Mr. John
## 762	Nirva, Mr. Iisakki Antino Aijo
## 763	Barah, Mr. Hanna Assi
## 764	Carter, Mrs. William Ernest (Lucile Polk)
## 765	Eklund, Mr. Hans Linus
## 766	Hogeboom, Mrs. John C (Anna Andrews)
## 767	Brewe, Dr. Arthur Jackson
## 768	Mangan, Miss. Mary
## 769	Moran, Mr. Daniel J
## 770	Gronnestad, Mr. Daniel Danielsen
## 771	Lievens, Mr. Rene Aime
## 772	Jensen, Mr. Niels Peder
## 773	Mack, Mrs. (Mary)
## 774	Elias, Mr. Dibo
## 775	Hocking, Mrs. Elizabeth (Eliza Needs)
## 776	Myhrman, Mr. Pehr Fabian Oliver Malkolm
## 777	Tobin, Mr. Roger
## 778	Emanuel, Miss. Virginia Ethel
## 779	Kilgannon, Mr. Thomas J
## 780	Robert, Mrs. Edward Scott (Elisabeth Walton McMillan)
## 781	Ayoub, Miss. Banoura

782 Dick, Mrs. Albert Adrian (Vera Gillespie)
 ## 783 Long, Mr. Milton Clyde
 ## 784 Johnston, Mr. Andrew G
 ## 785 Ali, Mr. William
 ## 786 Harmer, Mr. Abraham (David Lishin)
 ## 787 Sjoblom, Miss. Anna Sofia
 ## 788 Rice, Master. George Hugh
 ## 789 Dean, Master. Bertram Vere
 ## 790 Guggenheim, Mr. Benjamin
 ## 791 Keane, Mr. Andrew "Andy"
 ## 792 Gaskell, Mr. Alfred
 ## 793 Sage, Miss. Stella Anna
 ## 794 Hoyt, Mr. William Fisher
 ## 795 Dantcheff, Mr. Ristiu
 ## 796 Otter, Mr. Richard
 ## 797 Leader, Dr. Alice (Farnham)
 ## 798 Osman, Mrs. Mara
 ## 799 Ibrahim Shawah, Mr. Yousseff
 ## 800 Van Impe, Mrs. Jean Baptiste (Rosalie Paula Govaert)
 ## 801 Ponesell, Mr. Martin
 ## 802 Collyer, Mrs. Harvey (Charlotte Annie Tate)
 ## 803 Carter, Master. William Thornton II
 ## 804 Thomas, Master. Assad Alexander
 ## 805 Hedman, Mr. Oskar Arvid
 ## 806 Johansson, Mr. Karl Johan
 ## 807 Andrews, Mr. Thomas Jr
 ## 808 Pettersson, Miss. Ellen Natalia
 ## 809 Meyer, Mr. August
 ## 810 Chambers, Mrs. Norman Campbell (Bertha Griggs)
 ## 811 Alexander, Mr. William
 ## 812 Lester, Mr. James
 ## 813 Slemen, Mr. Richard James
 ## 814 Andersson, Miss. Ebba Iris Alfrida
 ## 815 Tomlin, Mr. Ernest Portage
 ## 816 Fry, Mr. Richard
 ## 817 Heininen, Miss. Wendla Maria
 ## 818 Mallet, Mr. Albert
 ## 819 Holm, Mr. John Fredrik Alexander
 ## 820 Skoog, Master. Karl Thorsten
 ## 821 Hays, Mrs. Charles Melville (Clara Jennings Gregg)
 ## 822 Lulic, Mr. Nikola
 ## 823 Reuchlin, Jonkheer. John George
 ## 824 Moor, Mrs. (Beila)
 ## 825 Panula, Master. Urho Abraham
 ## 826 Flynn, Mr. John
 ## 827 Lam, Mr. Len
 ## 828 Mallet, Master. Andre
 ## 829 McCormack, Mr. Thomas Joseph
 ## 830 Stone, Mrs. George Nelson (Martha Evelyn)
 ## 831 Yasbeck, Mrs. Antoni (Selini Alexander)
 ## 832 Richards, Master. George Sibley
 ## 833 Saad, Mr. Amin
 ## 834 Augustsson, Mr. Albert
 ## 835 Allum, Mr. Owen George

## 836	Compton, Miss. Sara Rebecca
## 837	Pasic, Mr. Jakob
## 838	Sirota, Mr. Maurice
## 839	Chip, Mr. Chang
## 840	Marechal, Mr. Pierre
## 841	Alhomaki, Mr. Ilmari Rudolf
## 842	Mudd, Mr. Thomas Charles
## 843	Serepeca, Miss. Augusta
## 844	Lemberopolous, Mr. Peter L
## 845	Culumovic, Mr. Jeso
## 846	Abbing, Mr. Anthony
## 847	Sage, Mr. Douglas Bullen
## 848	Markoff, Mr. Marin
## 849	Harper, Rev. John
## 850	Goldenberg, Mrs. Samuel L (Edwiga Grabowska)
## 851	Andersson, Master. Sigvard Harald Elias
## 852	Svensson, Mr. Johan
## 853	Boulos, Miss. Nourelain
## 854	Lines, Miss. Mary Conover
## 855	Carter, Mrs. Ernest Courtenay (Lilian Hughes)
## 856	Aks, Mrs. Sam (Leah Rosen)
## 857	Wick, Mrs. George Dennick (Mary Hitchcock)
## 858	Daly, Mr. Peter Denis
## 859	Baclini, Mrs. Solomon (Latifa Qurban)
## 860	Razi, Mr. Raihed
## 861	Hansen, Mr. Claus Peter
## 862	Giles, Mr. Frederick Edward
## 863	Swift, Mrs. Frederick Joel (Margaret Welles Barron)
## 864	Sage, Miss. Dorothy Edith "Dolly"
## 865	Gill, Mr. John William
## 866	Bystrom, Mrs. (Karolina)
## 867	Duran y More, Miss. Asuncion
## 868	Roebbling, Mr. Washington Augustus II
## 869	van Melkebeke, Mr. Philemon
## 870	Johnson, Master. Harold Theodor
## 871	Balkic, Mr. Cerin
## 872	Beckwith, Mrs. Richard Leonard (Sallie Monypeny)
## 873	Carlsson, Mr. Frans Olof
## 874	Vander Cruyssen, Mr. Victor
## 875	Abelson, Mrs. Samuel (Hannah Witosky)
## 876	Najib, Miss. Adele Kiamie "Jane"
## 877	Gustafsson, Mr. Alfred Ossian
## 878	Petroff, Mr. Nedelio
## 879	Laleff, Mr. Kristo
## 880	Potter, Mrs. Thomas Jr (Lily Alexenia Wilson)
## 881	Shelley, Mrs. William (Imanita Parrish Hall)
## 882	Markun, Mr. Johann
## 883	Dahlberg, Miss. Gerda Ulrika
## 884	Banfield, Mr. Frederick James
## 885	Sutehall, Mr. Henry Jr
## 886	Rice, Mrs. William (Margaret Norton)
## 887	Montvila, Rev. Juozas
## 888	Graham, Miss. Margaret Edith
## 889	Johnston, Miss. Catherine Helen "Carrie"

## 890							Behr, Mr. Karl Howell
## 891							Dooley, Mr. Patrick
##	sex	age	sib_sp	parch		ticket	fare
## 1	male	22.00	1	0		A/5 21171	7.2500
## 2	female	38.00	1	0		PC 17599	71.2833
## 3	female	26.00	0	0	STON/02.	3101282	7.9250
## 4	female	35.00	1	0		113803	53.1000
## 5	male	35.00	0	0		373450	8.0500
## 6	male	NA	0	0		330877	8.4583
## 7	male	54.00	0	0		17463	51.8625
## 8	male	2.00	3	1		349909	21.0750
## 9	female	27.00	0	2		347742	11.1333
## 10	female	14.00	1	0		237736	30.0708
## 11	female	4.00	1	1		PP 9549	16.7000
## 12	female	58.00	0	0		113783	26.5500
## 13	male	20.00	0	0		A/5. 2151	8.0500
## 14	male	39.00	1	5		347082	31.2750
## 15	female	14.00	0	0		350406	7.8542
## 16	female	55.00	0	0		248706	16.0000
## 17	male	2.00	4	1		382652	29.1250
## 18	male	NA	0	0		244373	13.0000
## 19	female	31.00	1	0		345763	18.0000
## 20	female	NA	0	0		2649	7.2250
## 21	male	35.00	0	0		239865	26.0000
## 22	male	34.00	0	0		248698	13.0000
## 23	female	15.00	0	0		330923	8.0292
## 24	male	28.00	0	0		113788	35.5000
## 25	female	8.00	3	1		349909	21.0750
## 26	female	38.00	1	5		347077	31.3875
## 27	male	NA	0	0		2631	7.2250
## 28	male	19.00	3	2		19950	263.0000
## 29	female	NA	0	0		330959	7.8792
## 30	male	NA	0	0		349216	7.8958
## 31	male	40.00	0	0		PC 17601	27.7208
## 32	female	NA	1	0		PC 17569	146.5208
## 33	female	NA	0	0		335677	7.7500
## 34	male	66.00	0	0		C.A. 24579	10.5000
## 35	male	28.00	1	0		PC 17604	82.1708
## 36	male	42.00	1	0		113789	52.0000
## 37	male	NA	0	0		2677	7.2292
## 38	male	21.00	0	0		A./5. 2152	8.0500
## 39	female	18.00	2	0		345764	18.0000
## 40	female	14.00	1	0		2651	11.2417
## 41	female	40.00	1	0		7546	9.4750
## 42	female	27.00	1	0		11668	21.0000
## 43	male	NA	0	0		349253	7.8958
## 44	female	3.00	1	2	SC/Paris	2123	41.5792
## 45	female	19.00	0	0		330958	7.8792
## 46	male	NA	0	0	S.C./A.4.	23567	8.0500
## 47	male	NA	1	0		370371	15.5000
## 48	female	NA	0	0		14311	7.7500
## 49	male	NA	2	0		2662	21.6792
## 50	female	18.00	1	0		349237	17.8000
## 51	male	7.00	4	1		3101295	39.6875

## 52	male	21.00	0	0	A/4. 39886	7.8000	<NA>
## 53	female	49.00	1	0	PC 17572	76.7292	D33
## 54	female	29.00	1	0	2926	26.0000	<NA>
## 55	male	65.00	0	1	113509	61.9792	B30
## 56	male	NA	0	0	19947	35.5000	C52
## 57	female	21.00	0	0	C.A. 31026	10.5000	<NA>
## 58	male	28.50	0	0	2697	7.2292	<NA>
## 59	female	5.00	1	2	C.A. 34651	27.7500	<NA>
## 60	male	11.00	5	2	CA 2144	46.9000	<NA>
## 61	male	22.00	0	0	2669	7.2292	<NA>
## 62	female	38.00	0	0	113572	80.0000	B28
## 63	male	45.00	1	0	36973	83.4750	C83
## 64	male	4.00	3	2	347088	27.9000	<NA>
## 65	male	NA	0	0	PC 17605	27.7208	<NA>
## 66	male	NA	1	1	2661	15.2458	<NA>
## 67	female	29.00	0	0	C.A. 29395	10.5000	F33
## 68	male	19.00	0	0	S.P. 3464	8.1583	<NA>
## 69	female	17.00	4	2	3101281	7.9250	<NA>
## 70	male	26.00	2	0	315151	8.6625	<NA>
## 71	male	32.00	0	0	C.A. 33111	10.5000	<NA>
## 72	female	16.00	5	2	CA 2144	46.9000	<NA>
## 73	male	21.00	0	0	S.O.C. 14879	73.5000	<NA>
## 74	male	26.00	1	0	2680	14.4542	<NA>
## 75	male	32.00	0	0	1601	56.4958	<NA>
## 76	male	25.00	0	0	348123	7.6500	F G73
## 77	male	NA	0	0	349208	7.8958	<NA>
## 78	male	NA	0	0	374746	8.0500	<NA>
## 79	male	0.83	0	2	248738	29.0000	<NA>
## 80	female	30.00	0	0	364516	12.4750	<NA>
## 81	male	22.00	0	0	345767	9.0000	<NA>
## 82	male	29.00	0	0	345779	9.5000	<NA>
## 83	female	NA	0	0	330932	7.7875	<NA>
## 84	male	28.00	0	0	113059	47.1000	<NA>
## 85	female	17.00	0	0	SO/C 14885	10.5000	<NA>
## 86	female	33.00	3	0	3101278	15.8500	<NA>
## 87	male	16.00	1	3	W./C. 6608	34.3750	<NA>
## 88	male	NA	0	0	SOTON/OQ 392086	8.0500	<NA>
## 89	female	23.00	3	2	19950	263.0000	C23 C25 C27
## 90	male	24.00	0	0	343275	8.0500	<NA>
## 91	male	29.00	0	0	343276	8.0500	<NA>
## 92	male	20.00	0	0	347466	7.8542	<NA>
## 93	male	46.00	1	0	W.E.P. 5734	61.1750	E31
## 94	male	26.00	1	2	C.A. 2315	20.5750	<NA>
## 95	male	59.00	0	0	364500	7.2500	<NA>
## 96	male	NA	0	0	374910	8.0500	<NA>
## 97	male	71.00	0	0	PC 17754	34.6542	A5
## 98	male	23.00	0	1	PC 17759	63.3583	D10 D12
## 99	female	34.00	0	1	231919	23.0000	<NA>
## 100	male	34.00	1	0	244367	26.0000	<NA>
## 101	female	28.00	0	0	349245	7.8958	<NA>
## 102	male	NA	0	0	349215	7.8958	<NA>
## 103	male	21.00	0	1	35281	77.2875	D26
## 104	male	33.00	0	0	7540	8.6542	<NA>
## 105	male	37.00	2	0	3101276	7.9250	<NA>

## 106	male	28.00	0	0	349207	7.8958	<NA>
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## 108	male	NA	0	0	312991	7.7750	<NA>
## 109	male	38.00	0	0	349249	7.8958	<NA>
## 110	female	NA	1	0	371110	24.1500	<NA>
## 111	male	47.00	0	0	110465	52.0000	C110
## 112	female	14.50	1	0	2665	14.4542	<NA>
## 113	male	22.00	0	0	324669	8.0500	<NA>
## 114	female	20.00	1	0	4136	9.8250	<NA>
## 115	female	17.00	0	0	2627	14.4583	<NA>
## 116	male	21.00	0	0	STON/O 2. 3101294	7.9250	<NA>
## 117	male	70.50	0	0	370369	7.7500	<NA>
## 118	male	29.00	1	0	11668	21.0000	<NA>
## 119	male	24.00	0	1	PC 17558	247.5208	B58 B60
## 120	female	2.00	4	2	347082	31.2750	<NA>
## 121	male	21.00	2	0	S.O.C. 14879	73.5000	<NA>
## 122	male	NA	0	0	A4. 54510	8.0500	<NA>
## 123	male	32.50	1	0	237736	30.0708	<NA>
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## 125	male	54.00	0	1	35281	77.2875	D26
## 126	male	12.00	1	0	2651	11.2417	<NA>
## 127	male	NA	0	0	370372	7.7500	<NA>
## 128	male	24.00	0	0	C 17369	7.1417	<NA>
## 129	female	NA	1	1	2668	22.3583	F E69
## 130	male	45.00	0	0	347061	6.9750	<NA>
## 131	male	33.00	0	0	349241	7.8958	<NA>
## 132	male	20.00	0	0	SOTON/O.Q. 3101307	7.0500	<NA>
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## 134	female	29.00	1	0	228414	26.0000	<NA>
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## 136	male	23.00	0	0	SC/PARIS 2133	15.0458	<NA>
## 137	female	19.00	0	2	11752	26.2833	D47
## 138	male	37.00	1	0	113803	53.1000	C123
## 139	male	16.00	0	0	7534	9.2167	<NA>
## 140	male	24.00	0	0	PC 17593	79.2000	B86
## 141	female	NA	0	2	2678	15.2458	<NA>
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## 143	female	24.00	1	0	STON/O2. 3101279	15.8500	<NA>
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## 145	male	18.00	0	0	231945	11.5000	<NA>
## 146	male	19.00	1	1	C.A. 33112	36.7500	<NA>
## 147	male	27.00	0	0	350043	7.7958	<NA>
## 148	female	9.00	2	2	W./C. 6608	34.3750	<NA>
## 149	male	36.50	0	2	230080	26.0000	F2
## 150	male	42.00	0	0	244310	13.0000	<NA>
## 151	male	51.00	0	0	S.O.P. 1166	12.5250	<NA>
## 152	female	22.00	1	0	113776	66.6000	C2
## 153	male	55.50	0	0	A.5. 11206	8.0500	<NA>
## 154	male	40.50	0	2	A/5. 851	14.5000	<NA>
## 155	male	NA	0	0	Fa 265302	7.3125	<NA>
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## 157	female	16.00	0	0	35851	7.7333	<NA>
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## 160	male	NA	8	2	CA. 2343	69.5500	<NA>
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## 162	female	40.00	0	0	C.A. 33595	15.7500	<NA>
## 163	male	26.00	0	0	347068	7.7750	<NA>
## 164	male	17.00	0	0	315093	8.6625	<NA>
## 165	male	1.00	4	1	3101295	39.6875	<NA>
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## 167	female	NA	0	1	113505	55.0000	E33
## 168	female	45.00	1	4	347088	27.9000	<NA>
## 169	male	NA	0	0	PC 17318	25.9250	<NA>
## 170	male	28.00	0	0	1601	56.4958	<NA>
## 171	male	61.00	0	0	111240	33.5000	B19
## 172	male	4.00	4	1	382652	29.1250	<NA>
## 173	female	1.00	1	1	347742	11.1333	<NA>
## 174	male	21.00	0	0	STON/O 2. 3101280	7.9250	<NA>
## 175	male	56.00	0	0	17764	30.6958	A7
## 176	male	18.00	1	1	350404	7.8542	<NA>
## 177	male	NA	3	1	4133	25.4667	<NA>
## 178	female	50.00	0	0	PC 17595	28.7125	C49
## 179	male	30.00	0	0	250653	13.0000	<NA>
## 180	male	36.00	0	0	LINE	0.0000	<NA>
## 181	female	NA	8	2	CA. 2343	69.5500	<NA>
## 182	male	NA	0	0	SC/PARIS 2131	15.0500	<NA>
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## 185	female	4.00	0	2	315153	22.0250	<NA>
## 186	male	NA	0	0	113767	50.0000	A32
## 187	female	NA	1	0	370365	15.5000	<NA>
## 188	male	45.00	0	0	111428	26.5500	<NA>
## 189	male	40.00	1	1	364849	15.5000	<NA>
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## 191	female	32.00	0	0	234604	13.0000	<NA>
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## 194	male	3.00	1	1	230080	26.0000	F2
## 195	female	44.00	0	0	PC 17610	27.7208	B4
## 196	female	58.00	0	0	PC 17569	146.5208	B80
## 197	male	NA	0	0	368703	7.7500	<NA>
## 198	male	42.00	0	1	4579	8.4042	<NA>
## 199	female	NA	0	0	370370	7.7500	<NA>
## 200	female	24.00	0	0	248747	13.0000	<NA>
## 201	male	28.00	0	0	345770	9.5000	<NA>
## 202	male	NA	8	2	CA. 2343	69.5500	<NA>
## 203	male	34.00	0	0	3101264	6.4958	<NA>
## 204	male	45.50	0	0	2628	7.2250	<NA>
## 205	male	18.00	0	0	A/5 3540	8.0500	<NA>
## 206	female	2.00	0	1	347054	10.4625	G6
## 207	male	32.00	1	0	3101278	15.8500	<NA>
## 208	male	26.00	0	0	2699	18.7875	<NA>
## 209	female	16.00	0	0	367231	7.7500	<NA>
## 210	male	40.00	0	0	112277	31.0000	A31
## 211	male	24.00	0	0	SOTON/O.Q. 3101311	7.0500	<NA>
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## 213	male	22.00	0	0	A/5 21174	7.2500	<NA>

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## 216	female	31.00	1	0	35273	113.2750	D36
## 217	female	27.00	0	0	STON/02. 3101283	7.9250	<NA>
## 218	male	42.00	1	0	243847	27.0000	<NA>
## 219	female	32.00	0	0	11813	76.2917	D15
## 220	male	30.00	0	0	W/C 14208	10.5000	<NA>
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## 222	male	27.00	0	0	220367	13.0000	<NA>
## 223	male	51.00	0	0	21440	8.0500	<NA>
## 224	male	NA	0	0	349234	7.8958	<NA>
## 225	male	38.00	1	0	19943	90.0000	C93
## 226	male	22.00	0	0	PP 4348	9.3500	<NA>
## 227	male	19.00	0	0	SW/PP 751	10.5000	<NA>
## 228	male	20.50	0	0	A/5 21173	7.2500	<NA>
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## 230	female	NA	3	1	4133	25.4667	<NA>
## 231	female	35.00	1	0	36973	83.4750	C83
## 232	male	29.00	0	0	347067	7.7750	<NA>
## 233	male	59.00	0	0	237442	13.5000	<NA>
## 234	female	5.00	4	2	347077	31.3875	<NA>
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## 239	male	19.00	0	0	28665	10.5000	<NA>
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## 241	female	NA	1	0	2665	14.4542	<NA>
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## 245	male	30.00	0	0	2694	7.2250	<NA>
## 246	male	44.00	2	0	19928	90.0000	C78
## 247	female	25.00	0	0	347071	7.7750	<NA>
## 248	female	24.00	0	2	250649	14.5000	<NA>
## 249	male	37.00	1	1	11751	52.5542	D35
## 250	male	54.00	1	0	244252	26.0000	<NA>
## 251	male	NA	0	0	362316	7.2500	<NA>
## 252	female	29.00	1	1	347054	10.4625	G6
## 253	male	62.00	0	0	113514	26.5500	C87
## 254	male	30.00	1	0	A/5. 3336	16.1000	<NA>
## 255	female	41.00	0	2	370129	20.2125	<NA>
## 256	female	29.00	0	2	2650	15.2458	<NA>
## 257	female	NA	0	0	PC 17585	79.2000	<NA>
## 258	female	30.00	0	0	110152	86.5000	B77
## 259	female	35.00	0	0	PC 17755	512.3292	<NA>
## 260	female	50.00	0	1	230433	26.0000	<NA>
## 261	male	NA	0	0	384461	7.7500	<NA>
## 262	male	3.00	4	2	347077	31.3875	<NA>
## 263	male	52.00	1	1	110413	79.6500	E67
## 264	male	40.00	0	0	112059	0.0000	B94
## 265	female	NA	0	0	382649	7.7500	<NA>
## 266	male	36.00	0	0	C.A. 17248	10.5000	<NA>
## 267	male	16.00	4	1	3101295	39.6875	<NA>

## 268	male	25.00	1	0	347083	7.7750	<NA>
## 269	female	58.00	0	1	PC 17582	153.4625	C125
## 270	female	35.00	0	0	PC 17760	135.6333	C99
## 271	male	NA	0	0	113798	31.0000	<NA>
## 272	male	25.00	0	0	LINE	0.0000	<NA>
## 273	female	41.00	0	1	250644	19.5000	<NA>
## 274	male	37.00	0	1	PC 17596	29.7000	C118
## 275	female	NA	0	0	370375	7.7500	<NA>
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## 277	female	45.00	0	0	347073	7.7500	<NA>
## 278	male	NA	0	0	239853	0.0000	<NA>
## 279	male	7.00	4	1	382652	29.1250	<NA>
## 280	female	35.00	1	1	C.A. 2673	20.2500	<NA>
## 281	male	65.00	0	0	336439	7.7500	<NA>
## 282	male	28.00	0	0	347464	7.8542	<NA>
## 283	male	16.00	0	0	345778	9.5000	<NA>
## 284	male	19.00	0	0	A/5. 10482	8.0500	<NA>
## 285	male	NA	0	0	113056	26.0000	A19
## 286	male	33.00	0	0	349239	8.6625	<NA>
## 287	male	30.00	0	0	345774	9.5000	<NA>
## 288	male	22.00	0	0	349206	7.8958	<NA>
## 289	male	42.00	0	0	237798	13.0000	<NA>
## 290	female	22.00	0	0	370373	7.7500	<NA>
## 291	female	26.00	0	0	19877	78.8500	<NA>
## 292	female	19.00	1	0	11967	91.0792	B49
## 293	male	36.00	0	0	SC/Paris 2163	12.8750	D
## 294	female	24.00	0	0	349236	8.8500	<NA>
## 295	male	24.00	0	0	349233	7.8958	<NA>
## 296	male	NA	0	0	PC 17612	27.7208	<NA>
## 297	male	23.50	0	0	2693	7.2292	<NA>
## 298	female	2.00	1	2	113781	151.5500	C22 C26
## 299	male	NA	0	0	19988	30.5000	C106
## 300	female	50.00	0	1	PC 17558	247.5208	B58 B60
## 301	female	NA	0	0	9234	7.7500	<NA>
## 302	male	NA	2	0	367226	23.2500	<NA>
## 303	male	19.00	0	0	LINE	0.0000	<NA>
## 304	female	NA	0	0	226593	12.3500	E101
## 305	male	NA	0	0	A/5 2466	8.0500	<NA>
## 306	male	0.92	1	2	113781	151.5500	C22 C26
## 307	female	NA	0	0	17421	110.8833	<NA>
## 308	female	17.00	1	0	PC 17758	108.9000	C65
## 309	male	30.00	1	0	P/PP 3381	24.0000	<NA>
## 310	female	30.00	0	0	PC 17485	56.9292	E36
## 311	female	24.00	0	0	11767	83.1583	C54
## 312	female	18.00	2	2	PC 17608	262.3750	B57 B59 B63 B66
## 313	female	26.00	1	1	250651	26.0000	<NA>
## 314	male	28.00	0	0	349243	7.8958	<NA>
## 315	male	43.00	1	1	F.C.C. 13529	26.2500	<NA>
## 316	female	26.00	0	0	347470	7.8542	<NA>
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## 318	male	54.00	0	0	29011	14.0000	<NA>
## 319	female	31.00	0	2	36928	164.8667	C7
## 320	female	40.00	1	1	16966	134.5000	E34
## 321	male	22.00	0	0	A/5 21172	7.2500	<NA>

## 322	male	27.00	0	0	349219	7.8958	<NA>
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## 325	male	NA	8	2	CA. 2343	69.5500	<NA>
## 326	female	36.00	0	0	PC 17760	135.6333	C32
## 327	male	61.00	0	0	345364	6.2375	<NA>
## 328	female	36.00	0	0	28551	13.0000	D
## 329	female	31.00	1	1	363291	20.5250	<NA>
## 330	female	16.00	0	1	111361	57.9792	B18
## 331	female	NA	2	0	367226	23.2500	<NA>
## 332	male	45.50	0	0	113043	28.5000	C124
## 333	male	38.00	0	1	PC 17582	153.4625	C91
## 334	male	16.00	2	0	345764	18.0000	<NA>
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## 336	male	NA	0	0	349225	7.8958	<NA>
## 337	male	29.00	1	0	113776	66.6000	C2
## 338	female	41.00	0	0	16966	134.5000	E40
## 339	male	45.00	0	0	7598	8.0500	<NA>
## 340	male	45.00	0	0	113784	35.5000	T
## 341	male	2.00	1	1	230080	26.0000	F2
## 342	female	24.00	3	2	19950	263.0000	C23 C25 C27
## 343	male	28.00	0	0	248740	13.0000	<NA>
## 344	male	25.00	0	0	244361	13.0000	<NA>
## 345	male	36.00	0	0	229236	13.0000	<NA>
## 346	female	24.00	0	0	248733	13.0000	F33
## 347	female	40.00	0	0	31418	13.0000	<NA>
## 348	female	NA	1	0	386525	16.1000	<NA>
## 349	male	3.00	1	1	C.A. 37671	15.9000	<NA>
## 350	male	42.00	0	0	315088	8.6625	<NA>
## 351	male	23.00	0	0	7267	9.2250	<NA>
## 352	male	NA	0	0	113510	35.0000	C128
## 353	male	15.00	1	1	2695	7.2292	<NA>
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## 357	female	22.00	0	1	113505	55.0000	E33
## 358	female	38.00	0	0	237671	13.0000	<NA>
## 359	female	NA	0	0	330931	7.8792	<NA>
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## 368	female	NA	0	0	2626	7.2292	<NA>
## 369	female	NA	0	0	14313	7.7500	<NA>
## 370	female	24.00	0	0	PC 17477	69.3000	B35
## 371	male	25.00	1	0	11765	55.4417	E50
## 372	male	18.00	1	0	3101267	6.4958	<NA>
## 373	male	19.00	0	0	323951	8.0500	<NA>
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## 375	female	3.00	3	1	349909	21.0750	<NA>

## 376 female	NA	1	0	PC 17604	82.1708	<NA>
## 377 female	22.00	0	0	C 7077	7.2500	<NA>
## 378 male	27.00	0	2	113503	211.5000	C82
## 379 male	20.00	0	0	2648	4.0125	<NA>
## 380 male	19.00	0	0	347069	7.7750	<NA>
## 381 female	42.00	0	0	PC 17757	227.5250	<NA>
## 382 female	1.00	0	2	2653	15.7417	<NA>
## 383 male	32.00	0	0	STON/O 2. 3101293	7.9250	<NA>
## 384 female	35.00	1	0	113789	52.0000	<NA>
## 385 male	NA	0	0	349227	7.8958	<NA>
## 386 male	18.00	0	0	S.O.C. 14879	73.5000	<NA>
## 387 male	1.00	5	2	CA 2144	46.9000	<NA>
## 388 female	36.00	0	0	27849	13.0000	<NA>
## 389 male	NA	0	0	367655	7.7292	<NA>
## 390 female	17.00	0	0	SC 1748	12.0000	<NA>
## 391 male	36.00	1	2	113760	120.0000	B96 B98
## 392 male	21.00	0	0	350034	7.7958	<NA>
## 393 male	28.00	2	0	3101277	7.9250	<NA>
## 394 female	23.00	1	0	35273	113.2750	D36
## 395 female	24.00	0	2	PP 9549	16.7000	G6
## 396 male	22.00	0	0	350052	7.7958	<NA>
## 397 female	31.00	0	0	350407	7.8542	<NA>
## 398 male	46.00	0	0	28403	26.0000	<NA>
## 399 male	23.00	0	0	244278	10.5000	<NA>
## 400 female	28.00	0	0	240929	12.6500	<NA>
## 401 male	39.00	0	0	STON/O 2. 3101289	7.9250	<NA>
## 402 male	26.00	0	0	341826	8.0500	<NA>
## 403 female	21.00	1	0	4137	9.8250	<NA>
## 404 male	28.00	1	0	STON/O2. 3101279	15.8500	<NA>
## 405 female	20.00	0	0	315096	8.6625	<NA>
## 406 male	34.00	1	0	28664	21.0000	<NA>
## 407 male	51.00	0	0	347064	7.7500	<NA>
## 408 male	3.00	1	1	29106	18.7500	<NA>
## 409 male	21.00	0	0	312992	7.7750	<NA>
## 410 female	NA	3	1	4133	25.4667	<NA>
## 411 male	NA	0	0	349222	7.8958	<NA>
## 412 male	NA	0	0	394140	6.8583	<NA>
## 413 female	33.00	1	0	19928	90.0000	C78
## 414 male	NA	0	0	239853	0.0000	<NA>
## 415 male	44.00	0	0	STON/O 2. 3101269	7.9250	<NA>
## 416 female	NA	0	0	343095	8.0500	<NA>
## 417 female	34.00	1	1	28220	32.5000	<NA>
## 418 female	18.00	0	2	250652	13.0000	<NA>
## 419 male	30.00	0	0	28228	13.0000	<NA>
## 420 female	10.00	0	2	345773	24.1500	<NA>
## 421 male	NA	0	0	349254	7.8958	<NA>
## 422 male	21.00	0	0	A/5. 13032	7.7333	<NA>
## 423 male	29.00	0	0	315082	7.8750	<NA>
## 424 female	28.00	1	1	347080	14.4000	<NA>
## 425 male	18.00	1	1	370129	20.2125	<NA>
## 426 male	NA	0	0	A/4. 34244	7.2500	<NA>
## 427 female	28.00	1	0	2003	26.0000	<NA>
## 428 female	19.00	0	0	250655	26.0000	<NA>
## 429 male	NA	0	0	364851	7.7500	<NA>

## 430	male	32.00	0	0	SOTON/O.Q.	392078	8.0500	E10
## 431	male	28.00	0	0		110564	26.5500	C52
## 432	female	NA	1	0		376564	16.1000	<NA>
## 433	female	42.00	1	0	SC/AH	3085	26.0000	<NA>
## 434	male	17.00	0	0	STON/O	2. 3101274	7.1250	<NA>
## 435	male	50.00	1	0		13507	55.9000	E44
## 436	female	14.00	1	2		113760	120.0000	B96 B98
## 437	female	21.00	2	2	W./C.	6608	34.3750	<NA>
## 438	female	24.00	2	3		29106	18.7500	<NA>
## 439	male	64.00	1	4		19950	263.0000	C23 C25 C27
## 440	male	31.00	0	0	C.A.	18723	10.5000	<NA>
## 441	female	45.00	1	1	F.C.C.	13529	26.2500	<NA>
## 442	male	20.00	0	0		345769	9.5000	<NA>
## 443	male	25.00	1	0		347076	7.7750	<NA>
## 444	female	28.00	0	0		230434	13.0000	<NA>
## 445	male	NA	0	0		65306	8.1125	<NA>
## 446	male	4.00	0	2		33638	81.8583	A34
## 447	female	13.00	0	1		250644	19.5000	<NA>
## 448	male	34.00	0	0		113794	26.5500	<NA>
## 449	female	5.00	2	1		2666	19.2583	<NA>
## 450	male	52.00	0	0		113786	30.5000	C104
## 451	male	36.00	1	2	C.A.	34651	27.7500	<NA>
## 452	male	NA	1	0		65303	19.9667	<NA>
## 453	male	30.00	0	0		113051	27.7500	C111
## 454	male	49.00	1	0		17453	89.1042	C92
## 455	male	NA	0	0	A/5	2817	8.0500	<NA>
## 456	male	29.00	0	0		349240	7.8958	<NA>
## 457	male	65.00	0	0		13509	26.5500	E38
## 458	female	NA	1	0		17464	51.8625	D21
## 459	female	50.00	0	0	F.C.C.	13531	10.5000	<NA>
## 460	male	NA	0	0		371060	7.7500	<NA>
## 461	male	48.00	0	0		19952	26.5500	E12
## 462	male	34.00	0	0		364506	8.0500	<NA>
## 463	male	47.00	0	0		111320	38.5000	E63
## 464	male	48.00	0	0		234360	13.0000	<NA>
## 465	male	NA	0	0	A/S	2816	8.0500	<NA>
## 466	male	38.00	0	0	SOTON/O.Q.	3101306	7.0500	<NA>
## 467	male	NA	0	0		239853	0.0000	<NA>
## 468	male	56.00	0	0		113792	26.5500	<NA>
## 469	male	NA	0	0		36209	7.7250	<NA>
## 470	female	0.75	2	1		2666	19.2583	<NA>
## 471	male	NA	0	0		323592	7.2500	<NA>
## 472	male	38.00	0	0		315089	8.6625	<NA>
## 473	female	33.00	1	2	C.A.	34651	27.7500	<NA>
## 474	female	23.00	0	0	SC/AH Basle	541	13.7917	D
## 475	female	22.00	0	0		7553	9.8375	<NA>
## 476	male	NA	0	0		110465	52.0000	A14
## 477	male	34.00	1	0		31027	21.0000	<NA>
## 478	male	29.00	1	0		3460	7.0458	<NA>
## 479	male	22.00	0	0		350060	7.5208	<NA>
## 480	female	2.00	0	1		3101298	12.2875	<NA>
## 481	male	9.00	5	2	CA	2144	46.9000	<NA>
## 482	male	NA	0	0		239854	0.0000	<NA>
## 483	male	50.00	0	0	A/5	3594	8.0500	<NA>

## 484 female 63.00	0	0	4134	9.5875	<NA>
## 485 male 25.00	1	0	11967	91.0792	B49
## 486 female NA	3	1	4133	25.4667	<NA>
## 487 female 35.00	1	0	19943	90.0000	C93
## 488 male 58.00	0	0	11771	29.7000	B37
## 489 male 30.00	0	0	A.5. 18509	8.0500	<NA>
## 490 male 9.00	1	1	C.A. 37671	15.9000	<NA>
## 491 male NA	1	0	65304	19.9667	<NA>
## 492 male 21.00	0	0	SOTON/OQ 3101317	7.2500	<NA>
## 493 male 55.00	0	0	113787	30.5000	C30
## 494 male 71.00	0	0	PC 17609	49.5042	<NA>
## 495 male 21.00	0	0	A/4 45380	8.0500	<NA>
## 496 male NA	0	0	2627	14.4583	<NA>
## 497 female 54.00	1	0	36947	78.2667	D20
## 498 male NA	0	0	C.A. 6212	15.1000	<NA>
## 499 female 25.00	1	2	113781	151.5500	C22 C26
## 500 male 24.00	0	0	350035	7.7958	<NA>
## 501 male 17.00	0	0	315086	8.6625	<NA>
## 502 female 21.00	0	0	364846	7.7500	<NA>
## 503 female NA	0	0	330909	7.6292	<NA>
## 504 female 37.00	0	0	4135	9.5875	<NA>
## 505 female 16.00	0	0	110152	86.5000	B79
## 506 male 18.00	1	0	PC 17758	108.9000	C65
## 507 female 33.00	0	2	26360	26.0000	<NA>
## 508 male NA	0	0	111427	26.5500	<NA>
## 509 male 28.00	0	0	C 4001	22.5250	<NA>
## 510 male 26.00	0	0	1601	56.4958	<NA>
## 511 male 29.00	0	0	382651	7.7500	<NA>
## 512 male NA	0	0	SOTON/OQ 3101316	8.0500	<NA>
## 513 male 36.00	0	0	PC 17473	26.2875	E25
## 514 female 54.00	1	0	PC 17603	59.4000	<NA>
## 515 male 24.00	0	0	349209	7.4958	<NA>
## 516 male 47.00	0	0	36967	34.0208	D46
## 517 female 34.00	0	0	C.A. 34260	10.5000	F33
## 518 male NA	0	0	371110	24.1500	<NA>
## 519 female 36.00	1	0	226875	26.0000	<NA>
## 520 male 32.00	0	0	349242	7.8958	<NA>
## 521 female 30.00	0	0	12749	93.5000	B73
## 522 male 22.00	0	0	349252	7.8958	<NA>
## 523 male NA	0	0	2624	7.2250	<NA>
## 524 female 44.00	0	1	111361	57.9792	B18
## 525 male NA	0	0	2700	7.2292	<NA>
## 526 male 40.50	0	0	367232	7.7500	<NA>
## 527 female 50.00	0	0	W./C. 14258	10.5000	<NA>
## 528 male NA	0	0	PC 17483	221.7792	C95
## 529 male 39.00	0	0	3101296	7.9250	<NA>
## 530 male 23.00	2	1	29104	11.5000	<NA>
## 531 female 2.00	1	1	26360	26.0000	<NA>
## 532 male NA	0	0	2641	7.2292	<NA>
## 533 male 17.00	1	1	2690	7.2292	<NA>
## 534 female NA	0	2	2668	22.3583	<NA>
## 535 female 30.00	0	0	315084	8.6625	<NA>
## 536 female 7.00	0	2	F.C.C. 13529	26.2500	<NA>
## 537 male 45.00	0	0	113050	26.5500	B38

## 538 female 30.00	0	0	PC 17761	106.4250	<NA>
## 539 male NA	0	0	364498	14.5000	<NA>
## 540 female 22.00	0	2	13568	49.5000	B39
## 541 female 36.00	0	2	WE/P 5735	71.0000	B22
## 542 female 9.00	4	2	347082	31.2750	<NA>
## 543 female 11.00	4	2	347082	31.2750	<NA>
## 544 male 32.00	1	0	2908	26.0000	<NA>
## 545 male 50.00	1	0	PC 17761	106.4250	C86
## 546 male 64.00	0	0	693	26.0000	<NA>
## 547 female 19.00	1	0	2908	26.0000	<NA>
## 548 male NA	0	0	SC/PARIS 2146	13.8625	<NA>
## 549 male 33.00	1	1	363291	20.5250	<NA>
## 550 male 8.00	1	1	C.A. 33112	36.7500	<NA>
## 551 male 17.00	0	2	17421	110.8833	C70
## 552 male 27.00	0	0	244358	26.0000	<NA>
## 553 male NA	0	0	330979	7.8292	<NA>
## 554 male 22.00	0	0	2620	7.2250	<NA>
## 555 female 22.00	0	0	347085	7.7750	<NA>
## 556 male 62.00	0	0	113807	26.5500	<NA>
## 557 female 48.00	1	0	11755	39.6000	A16
## 558 male NA	0	0	PC 17757	227.5250	<NA>
## 559 female 39.00	1	1	110413	79.6500	E67
## 560 female 36.00	1	0	345572	17.4000	<NA>
## 561 male NA	0	0	372622	7.7500	<NA>
## 562 male 40.00	0	0	349251	7.8958	<NA>
## 563 male 28.00	0	0	218629	13.5000	<NA>
## 564 male NA	0	0	SOTON/OQ 392082	8.0500	<NA>
## 565 female NA	0	0	SOTON/O.Q. 392087	8.0500	<NA>
## 566 male 24.00	2	0	A/4 48871	24.1500	<NA>
## 567 male 19.00	0	0	349205	7.8958	<NA>
## 568 female 29.00	0	4	349909	21.0750	<NA>
## 569 male NA	0	0	2686	7.2292	<NA>
## 570 male 32.00	0	0	350417	7.8542	<NA>
## 571 male 62.00	0	0	S.W./PP 752	10.5000	<NA>
## 572 female 53.00	2	0	11769	51.4792	C101
## 573 male 36.00	0	0	PC 17474	26.3875	E25
## 574 female NA	0	0	14312	7.7500	<NA>
## 575 male 16.00	0	0	A/4. 20589	8.0500	<NA>
## 576 male 19.00	0	0	358585	14.5000	<NA>
## 577 female 34.00	0	0	243880	13.0000	<NA>
## 578 female 39.00	1	0	13507	55.9000	E44
## 579 female NA	1	0	2689	14.4583	<NA>
## 580 male 32.00	0	0	STON/O 2. 3101286	7.9250	<NA>
## 581 female 25.00	1	1	237789	30.0000	<NA>
## 582 female 39.00	1	1	17421	110.8833	C68
## 583 male 54.00	0	0	28403	26.0000	<NA>
## 584 male 36.00	0	0	13049	40.1250	A10
## 585 male NA	0	0	3411	8.7125	<NA>
## 586 female 18.00	0	2	110413	79.6500	E68
## 587 male 47.00	0	0	237565	15.0000	<NA>
## 588 male 60.00	1	1	13567	79.2000	B41
## 589 male 22.00	0	0	14973	8.0500	<NA>
## 590 male NA	0	0	A./5. 3235	8.0500	<NA>
## 591 male 35.00	0	0	STON/O 2. 3101273	7.1250	<NA>

## 592 female	52.00	1	0	36947	78.2667	D20
## 593 male	47.00	0	0	A/5 3902	7.2500	<NA>
## 594 female	NA	0	2	364848	7.7500	<NA>
## 595 male	37.00	1	0	SC/AH 29037	26.0000	<NA>
## 596 male	36.00	1	1	345773	24.1500	<NA>
## 597 female	NA	0	0	248727	33.0000	<NA>
## 598 male	49.00	0	0	LINE	0.0000	<NA>
## 599 male	NA	0	0	2664	7.2250	<NA>
## 600 male	49.00	1	0	PC 17485	56.9292	A20
## 601 female	24.00	2	1	243847	27.0000	<NA>
## 602 male	NA	0	0	349214	7.8958	<NA>
## 603 male	NA	0	0	113796	42.4000	<NA>
## 604 male	44.00	0	0	364511	8.0500	<NA>
## 605 male	35.00	0	0	111426	26.5500	<NA>
## 606 male	36.00	1	0	349910	15.5500	<NA>
## 607 male	30.00	0	0	349246	7.8958	<NA>
## 608 male	27.00	0	0	113804	30.5000	<NA>
## 609 female	22.00	1	2	SC/Paris 2123	41.5792	<NA>
## 610 female	40.00	0	0	PC 17582	153.4625	C125
## 611 female	39.00	1	5	347082	31.2750	<NA>
## 612 male	NA	0	0	SOTON/O.Q. 3101305	7.0500	<NA>
## 613 female	NA	1	0	367230	15.5000	<NA>
## 614 male	NA	0	0	370377	7.7500	<NA>
## 615 male	35.00	0	0	364512	8.0500	<NA>
## 616 female	24.00	1	2	220845	65.0000	<NA>
## 617 male	34.00	1	1	347080	14.4000	<NA>
## 618 female	26.00	1	0	A/5. 3336	16.1000	<NA>
## 619 female	4.00	2	1	230136	39.0000	F4
## 620 male	26.00	0	0	31028	10.5000	<NA>
## 621 male	27.00	1	0	2659	14.4542	<NA>
## 622 male	42.00	1	0	11753	52.5542	D19
## 623 male	20.00	1	1	2653	15.7417	<NA>
## 624 male	21.00	0	0	350029	7.8542	<NA>
## 625 male	21.00	0	0	54636	16.1000	<NA>
## 626 male	61.00	0	0	36963	32.3208	D50
## 627 male	57.00	0	0	219533	12.3500	<NA>
## 628 female	21.00	0	0	13502	77.9583	D9
## 629 male	26.00	0	0	349224	7.8958	<NA>
## 630 male	NA	0	0	334912	7.7333	<NA>
## 631 male	80.00	0	0	27042	30.0000	A23
## 632 male	51.00	0	0	347743	7.0542	<NA>
## 633 male	32.00	0	0	13214	30.5000	B50
## 634 male	NA	0	0	112052	0.0000	<NA>
## 635 female	9.00	3	2	347088	27.9000	<NA>
## 636 female	28.00	0	0	237668	13.0000	<NA>
## 637 male	32.00	0	0	STON/O 2. 3101292	7.9250	<NA>
## 638 male	31.00	1	1	C.A. 31921	26.2500	<NA>
## 639 female	41.00	0	5	3101295	39.6875	<NA>
## 640 male	NA	1	0	376564	16.1000	<NA>
## 641 male	20.00	0	0	350050	7.8542	<NA>
## 642 female	24.00	0	0	PC 17477	69.3000	B35
## 643 female	2.00	3	2	347088	27.9000	<NA>
## 644 male	NA	0	0	1601	56.4958	<NA>
## 645 female	0.75	2	1	2666	19.2583	<NA>

## 646	male	48.00	1	0	PC 17572	76.7292	D33
## 647	male	19.00	0	0	349231	7.8958	<NA>
## 648	male	56.00	0	0	13213	35.5000	A26
## 649	male	NA	0	0	S.O./P.P. 751	7.5500	<NA>
## 650	female	23.00	0	0	CA. 2314	7.5500	<NA>
## 651	male	NA	0	0	349221	7.8958	<NA>
## 652	female	18.00	0	1	231919	23.0000	<NA>
## 653	male	21.00	0	0	8475	8.4333	<NA>
## 654	female	NA	0	0	330919	7.8292	<NA>
## 655	female	18.00	0	0	365226	6.7500	<NA>
## 656	male	24.00	2	0	S.O.C. 14879	73.5000	<NA>
## 657	male	NA	0	0	349223	7.8958	<NA>
## 658	female	32.00	1	1	364849	15.5000	<NA>
## 659	male	23.00	0	0	29751	13.0000	<NA>
## 660	male	58.00	0	2	35273	113.2750	D48
## 661	male	50.00	2	0	PC 17611	133.6500	<NA>
## 662	male	40.00	0	0	2623	7.2250	<NA>
## 663	male	47.00	0	0	5727	25.5875	E58
## 664	male	36.00	0	0	349210	7.4958	<NA>
## 665	male	20.00	1	0	STON/O 2. 3101285	7.9250	<NA>
## 666	male	32.00	2	0	S.O.C. 14879	73.5000	<NA>
## 667	male	25.00	0	0	234686	13.0000	<NA>
## 668	male	NA	0	0	312993	7.7750	<NA>
## 669	male	43.00	0	0	A/5 3536	8.0500	<NA>
## 670	female	NA	1	0	19996	52.0000	C126
## 671	female	40.00	1	1	29750	39.0000	<NA>
## 672	male	31.00	1	0	F.C. 12750	52.0000	B71
## 673	male	70.00	0	0	C.A. 24580	10.5000	<NA>
## 674	male	31.00	0	0	244270	13.0000	<NA>
## 675	male	NA	0	0	239856	0.0000	<NA>
## 676	male	18.00	0	0	349912	7.7750	<NA>
## 677	male	24.50	0	0	342826	8.0500	<NA>
## 678	female	18.00	0	0	4138	9.8417	<NA>
## 679	female	43.00	1	6	CA 2144	46.9000	<NA>
## 680	male	36.00	0	1	PC 17755	512.3292	B51 B53 B55
## 681	female	NA	0	0	330935	8.1375	<NA>
## 682	male	27.00	0	0	PC 17572	76.7292	D49
## 683	male	20.00	0	0	6563	9.2250	<NA>
## 684	male	14.00	5	2	CA 2144	46.9000	<NA>
## 685	male	60.00	1	1	29750	39.0000	<NA>
## 686	male	25.00	1	2	SC/Paris 2123	41.5792	<NA>
## 687	male	14.00	4	1	3101295	39.6875	<NA>
## 688	male	19.00	0	0	349228	10.1708	<NA>
## 689	male	18.00	0	0	350036	7.7958	<NA>
## 690	female	15.00	0	1	24160	211.3375	B5
## 691	male	31.00	1	0	17474	57.0000	B20
## 692	female	4.00	0	1	349256	13.4167	<NA>
## 693	male	NA	0	0	1601	56.4958	<NA>
## 694	male	25.00	0	0	2672	7.2250	<NA>
## 695	male	60.00	0	0	113800	26.5500	<NA>
## 696	male	52.00	0	0	248731	13.5000	<NA>
## 697	male	44.00	0	0	363592	8.0500	<NA>
## 698	female	NA	0	0	35852	7.7333	<NA>
## 699	male	49.00	1	1	17421	110.8833	C68

## 700	male	42.00	0	0	348121	7.6500	F G63
## 701	female	18.00	1	0	PC 17757	227.5250	C62 C64
## 702	male	35.00	0	0	PC 17475	26.2875	E24
## 703	female	18.00	0	1	2691	14.4542	<NA>
## 704	male	25.00	0	0	36864	7.7417	<NA>
## 705	male	26.00	1	0	350025	7.8542	<NA>
## 706	male	39.00	0	0	250655	26.0000	<NA>
## 707	female	45.00	0	0	223596	13.5000	<NA>
## 708	male	42.00	0	0	PC 17476	26.2875	E24
## 709	female	22.00	0	0	113781	151.5500	<NA>
## 710	male	NA	1	1	2661	15.2458	<NA>
## 711	female	24.00	0	0	PC 17482	49.5042	C90
## 712	male	NA	0	0	113028	26.5500	C124
## 713	male	48.00	1	0	19996	52.0000	C126
## 714	male	29.00	0	0	7545	9.4833	<NA>
## 715	male	52.00	0	0	250647	13.0000	<NA>
## 716	male	19.00	0	0	348124	7.6500	F G73
## 717	female	38.00	0	0	PC 17757	227.5250	C45
## 718	female	27.00	0	0	34218	10.5000	E101
## 719	male	NA	0	0	36568	15.5000	<NA>
## 720	male	33.00	0	0	347062	7.7750	<NA>
## 721	female	6.00	0	1	248727	33.0000	<NA>
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## 725	male	27.00	1	0	113806	53.1000	E8
## 726	male	20.00	0	0	315094	8.6625	<NA>
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## 728	female	NA	0	0	36866	7.7375	<NA>
## 729	male	25.00	1	0	236853	26.0000	<NA>
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## 731	female	29.00	0	0	24160	211.3375	B5
## 732	male	11.00	0	0	2699	18.7875	<NA>
## 733	male	NA	0	0	239855	0.0000	<NA>
## 734	male	23.00	0	0	28425	13.0000	<NA>
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## 738	male	35.00	0	0	PC 17755	512.3292	B101
## 739	male	NA	0	0	349201	7.8958	<NA>
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## 741	male	NA	0	0	16988	30.0000	D45
## 742	male	36.00	1	0	19877	78.8500	C46
## 743	female	21.00	2	2	PC 17608	262.3750	B57 B59 B63 B66
## 744	male	24.00	1	0	376566	16.1000	<NA>
## 745	male	31.00	0	0	STON/O 2. 3101288	7.9250	<NA>
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## 747	male	16.00	1	1	C.A. 2673	20.2500	<NA>
## 748	female	30.00	0	0	250648	13.0000	<NA>
## 749	male	19.00	1	0	113773	53.1000	D30
## 750	male	31.00	0	0	335097	7.7500	<NA>
## 751	female	4.00	1	1	29103	23.0000	<NA>
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## 753	male	33.00	0	0	345780	9.5000	<NA>

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## 761	male	NA	0	0	358585	14.5000	<NA>
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## 765	male	16.00	0	0	347074	7.7750	<NA>
## 766	female	51.00	1	0	13502	77.9583	D11
## 767	male	NA	0	0	112379	39.6000	<NA>
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## 769	male	NA	1	0	371110	24.1500	<NA>
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## 774	male	NA	0	0	2674	7.2250	<NA>
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## 778	female	5.00	0	0	364516	12.4750	<NA>
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## 780	female	43.00	0	1	24160	211.3375	B3
## 781	female	13.00	0	0	2687	7.2292	<NA>
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## 783	male	29.00	0	0	113501	30.0000	D6
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## 822 male 27.00	0	0	315098	8.6625	<NA>
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## 825 male 2.00	4	1	3101295	39.6875	<NA>
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## 831 female 15.00	1	0	2659	14.4542	<NA>
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## 851 male 4.00	4	2	347082	31.2750	<NA>
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## 858 male 51.00	0	0	113055	26.5500	E17
## 859 female 24.00	0	3	2666	19.2583	<NA>
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## 873	male	33.00	0	0	695	5.0000	B51 B53 B55
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## 568	S
## 569	C
## 570	S
## 571	S
## 572	S
## 573	S
## 574	Q
## 575	S
## 576	S
## 577	S
## 578	S
## 579	C
## 580	S
## 581	S
## 582	C
## 583	S
## 584	C
## 585	C
## 586	S
## 587	S
## 588	C
## 589	S
## 590	S
## 591	S
## 592	C
## 593	S
## 594	Q
## 595	S
## 596	S
## 597	S
## 598	S
## 599	C
## 600	C
## 601	S
## 602	S
## 603	S
## 604	S
## 605	C
## 606	S
## 607	S
## 608	S
## 609	C
## 610	S
## 611	S
## 612	S
## 613	Q
## 614	Q
## 615	S
## 616	S
## 617	S

## 618	S
## 619	S
## 620	S
## 621	C
## 622	S
## 623	C
## 624	S
## 625	S
## 626	S
## 627	Q
## 628	S
## 629	S
## 630	Q
## 631	S
## 632	S
## 633	C
## 634	S
## 635	S
## 636	S
## 637	S
## 638	S
## 639	S
## 640	S
## 641	S
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## 643	S
## 644	S
## 645	C
## 646	C
## 647	S
## 648	C
## 649	S
## 650	S
## 651	S
## 652	S
## 653	S
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## 655	Q
## 656	S
## 657	S
## 658	Q
## 659	S
## 660	C
## 661	S
## 662	C
## 663	S
## 664	S
## 665	S
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## 669	S
## 670	S
## 671	S

## 672	S
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## 675	S
## 676	S
## 677	S
## 678	S
## 679	S
## 680	C
## 681	Q
## 682	C
## 683	S
## 684	S
## 685	S
## 686	C
## 687	S
## 688	S
## 689	S
## 690	S
## 691	S
## 692	C
## 693	S
## 694	C
## 695	S
## 696	S
## 697	S
## 698	Q
## 699	C
## 700	S
## 701	C
## 702	S
## 703	C
## 704	Q
## 705	S
## 706	S
## 707	S
## 708	S
## 709	S
## 710	C
## 711	C
## 712	S
## 713	S
## 714	S
## 715	S
## 716	S
## 717	C
## 718	S
## 719	Q
## 720	S
## 721	S
## 722	S
## 723	S
## 724	S
## 725	S

## 726	S
## 727	S
## 728	Q
## 729	S
## 730	S
## 731	S
## 732	C
## 733	S
## 734	S
## 735	S
## 736	S
## 737	S
## 738	C
## 739	S
## 740	S
## 741	S
## 742	S
## 743	C
## 744	S
## 745	S
## 746	S
## 747	S
## 748	S
## 749	S
## 750	Q
## 751	S
## 752	S
## 753	S
## 754	S
## 755	S
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## 757	S
## 758	S
## 759	S
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## 761	S
## 762	S
## 763	C
## 764	S
## 765	S
## 766	S
## 767	C
## 768	Q
## 769	Q
## 770	S
## 771	S
## 772	S
## 773	S
## 774	C
## 775	S
## 776	S
## 777	Q
## 778	S
## 779	Q

## 780	S
## 781	C
## 782	S
## 783	S
## 784	S
## 785	S
## 786	S
## 787	S
## 788	Q
## 789	S
## 790	C
## 791	Q
## 792	S
## 793	S
## 794	C
## 795	S
## 796	S
## 797	S
## 798	S
## 799	C
## 800	S
## 801	S
## 802	S
## 803	S
## 804	C
## 805	S
## 806	S
## 807	S
## 808	S
## 809	S
## 810	S
## 811	S
## 812	S
## 813	S
## 814	S
## 815	S
## 816	S
## 817	S
## 818	C
## 819	S
## 820	S
## 821	S
## 822	S
## 823	S
## 824	S
## 825	S
## 826	Q
## 827	S
## 828	C
## 829	Q
## 830	<NA>
## 831	C
## 832	S
## 833	C

## 834	S
## 835	S
## 836	C
## 837	S
## 838	S
## 839	S
## 840	C
## 841	S
## 842	S
## 843	C
## 844	C
## 845	S
## 846	S
## 847	S
## 848	C
## 849	S
## 850	C
## 851	S
## 852	S
## 853	C
## 854	S
## 855	S
## 856	S
## 857	S
## 858	S
## 859	C
## 860	C
## 861	S
## 862	S
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## 866	S
## 867	C
## 868	S
## 869	S
## 870	S
## 871	S
## 872	S
## 873	S
## 874	S
## 875	C
## 876	C
## 877	S
## 878	S
## 879	S
## 880	C
## 881	S
## 882	S
## 883	S
## 884	S
## 885	S
## 886	Q
## 887	S

```
## 888      S
## 889      S
## 890      C
## 891      Q
```

Remember that you'll need to set a seed at the beginning of the document to reproduce your results.

Question 1

Split the data, stratifying on the outcome variable, `survived`. You should choose the proportions to split the data into. Verify that the training and testing data sets have the appropriate number of observations. Take a look at the training data and note any potential issues, such as missing data.

Why is it a good idea to use stratified sampling for this data?

```
set.seed(596)

titanic_split <- initial_split(titanic_data, prop = 0.8, strata = survived )
titanic_train <- training(titanic_split)
titanic_test  <- testing(titanic_split)

titanic_train
```

```
##      passenger_id survived pclass
## 1              1      No      3
## 8              8      No      3
## 13             13      No      3
## 15             15      No      3
## 17             17      No      3
## 19             19      No      3
## 21             21      No      2
## 31             31      No      1
## 35             35      No      1
## 36             36      No      1
## 39             39      No      3
## 41             41      No      3
## 43             43      No      3
## 46             46      No      3
## 47             47      No      3
## 49             49      No      3
## 52             52      No      3
## 55             55      No      1
## 58             58      No      3
## 60             60      No      3
## 64             64      No      3
## 68             68      No      3
## 70             70      No      3
## 71             71      No      2
## 73             73      No      2
## 74             74      No      3
## 76             76      No      3
## 77             77      No      3
## 78             78      No      3
```

## 84	84	No	1
## 87	87	No	3
## 88	88	No	3
## 90	90	No	3
## 91	91	No	3
## 93	93	No	1
## 94	94	No	3
## 95	95	No	3
## 96	96	No	3
## 97	97	No	1
## 100	100	No	2
## 101	101	No	3
## 102	102	No	3
## 103	103	No	1
## 105	105	No	3
## 106	106	No	3
## 109	109	No	3
## 111	111	No	1
## 112	112	No	3
## 113	113	No	3
## 114	114	No	3
## 115	115	No	3
## 116	116	No	3
## 118	118	No	2
## 119	119	No	1
## 120	120	No	3
## 121	121	No	2
## 122	122	No	3
## 125	125	No	1
## 127	127	No	3
## 131	131	No	3
## 132	132	No	3
## 133	133	No	3
## 135	135	No	2
## 136	136	No	2
## 138	138	No	1
## 139	139	No	3
## 141	141	No	3
## 144	144	No	3
## 145	145	No	2
## 146	146	No	2
## 149	149	No	2
## 150	150	No	2
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## 158	158	No	3
## 160	160	No	3
## 161	161	No	3
## 163	163	No	3
## 164	164	No	3
## 165	165	No	3
## 168	168	No	3

## 170	170	No	3
## 171	171	No	1
## 172	172	No	3
## 174	174	No	3
## 175	175	No	1
## 176	176	No	3
## 178	178	No	1
## 180	180	No	3
## 181	181	No	3
## 183	183	No	3
## 186	186	No	1
## 189	189	No	3
## 192	192	No	2
## 197	197	No	3
## 200	200	No	2
## 201	201	No	3
## 202	202	No	3
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## 230	230	No	3
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## 233	233	No	2
## 235	235	No	2
## 236	236	No	3
## 237	237	No	2
## 239	239	No	2
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## 244	244	No	3
## 245	245	No	3
## 246	246	No	1
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## 253	253	No	1
## 255	255	No	3
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## 265	265	No	3
## 266	266	No	2
## 267	267	No	3
## 271	271	No	1
## 274	274	No	1

## 277	277	No	3
## 278	278	No	2
## 279	279	No	3
## 281	281	No	3
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## 286	286	No	3
## 288	288	No	3
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## 298	298	No	1
## 305	305	No	3
## 313	313	No	2
## 314	314	No	3
## 315	315	No	2
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## 325	325	No	3
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## 336	336	No	3
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## 340	340	No	1
## 344	344	No	2
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## 351	351	No	3
## 352	352	No	1
## 353	353	No	3
## 356	356	No	3
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## 365	365	No	3
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## 375	375	No	3
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## 387	387	No	3
## 389	389	No	3
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## 405	405	No	3
## 406	406	No	2
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## 410	410	No	3

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## 462	462	No	3
## 463	463	No	1
## 464	464	No	2
## 466	466	No	3
## 467	467	No	2
## 468	468	No	1
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## 472	472	No	3
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## 477	477	No	2
## 478	478	No	3
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## 481	481	No	3
## 482	482	No	2
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## 491	491	No	3
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## 494	494	No	1
## 495	495	No	3
## 496	496	No	3
## 498	498	No	3
## 499	499	No	1
## 503	503	No	3
## 504	504	No	3
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## 518	518	No	3

## 520	520	No	3
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## 526	526	No	3
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## 532	532	No	3
## 533	533	No	3
## 535	535	No	3
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## 542	542	No	3
## 543	543	No	3
## 545	545	No	1
## 546	546	No	1
## 549	549	No	3
## 552	552	No	2
## 553	553	No	3
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## 561	561	No	3
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## 594	594	No	3
## 595	595	No	2
## 596	596	No	3
## 599	599	No	3
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## 603	603	No	1
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## 612	612	No	3
## 615	615	No	3
## 618	618	No	3
## 620	620	No	2
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## 625	625	No	3
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## 669	669	No	3
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## 734	734	No	2

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## 812	812	No	3
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## 877	877	No	3
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## 886	886	No	3
## 887	887	No	2
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## 69	69	Yes	3

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## 143	143	Yes	3
## 147	147	Yes	3
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## 194	194	Yes	2
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## 208	208	Yes	3
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## 217	217	Yes	3
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## 227	227	Yes	2
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## 248	248	Yes	2
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## 259	259	Yes	1
## 260	260	Yes	2
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## 268	268	Yes	3
## 270	270	Yes	1
## 273	273	Yes	2
## 276	276	Yes	1

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## 292	292	Yes	1
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## 300	300	Yes	1
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## 302	302	Yes	3
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## 388	388	Yes	2
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## 392	392	Yes	3
## 394	394	Yes	1
## 395	395	Yes	3
## 400	400	Yes	2
## 401	401	Yes	3
## 408	408	Yes	2
## 413	413	Yes	1
## 415	415	Yes	3
## 417	417	Yes	2
## 418	418	Yes	2
## 427	427	Yes	2
## 430	430	Yes	3

## 431	431	Yes	1
## 432	432	Yes	3
## 433	433	Yes	2
## 436	436	Yes	1
## 438	438	Yes	2
## 441	441	Yes	2
## 444	444	Yes	2
## 445	445	Yes	3
## 446	446	Yes	1
## 448	448	Yes	1
## 449	449	Yes	3
## 450	450	Yes	1
## 454	454	Yes	1
## 456	456	Yes	3
## 461	461	Yes	1
## 470	470	Yes	3
## 473	473	Yes	2
## 474	474	Yes	2
## 484	484	Yes	3
## 485	485	Yes	1
## 497	497	Yes	1
## 505	505	Yes	1
## 507	507	Yes	2
## 510	510	Yes	3
## 511	511	Yes	3
## 513	513	Yes	1
## 514	514	Yes	1
## 517	517	Yes	2
## 519	519	Yes	2
## 524	524	Yes	1
## 527	527	Yes	2
## 531	531	Yes	2
## 534	534	Yes	3
## 538	538	Yes	1
## 540	540	Yes	1
## 544	544	Yes	2
## 548	548	Yes	2
## 550	550	Yes	2
## 551	551	Yes	1
## 554	554	Yes	3
## 555	555	Yes	3
## 557	557	Yes	1
## 559	559	Yes	1
## 560	560	Yes	3
## 571	571	Yes	2
## 572	572	Yes	1
## 574	574	Yes	3
## 577	577	Yes	2
## 578	578	Yes	1
## 580	580	Yes	3
## 581	581	Yes	2
## 582	582	Yes	1
## 586	586	Yes	1
## 588	588	Yes	1

## 592	592	Yes	1
## 597	597	Yes	2
## 601	601	Yes	2
## 605	605	Yes	1
## 609	609	Yes	2
## 610	610	Yes	1
## 613	613	Yes	3
## 616	616	Yes	2
## 619	619	Yes	2
## 622	622	Yes	1
## 623	623	Yes	3
## 628	628	Yes	1
## 631	631	Yes	1
## 633	633	Yes	1
## 642	642	Yes	1
## 644	644	Yes	3
## 646	646	Yes	1
## 648	648	Yes	1
## 650	650	Yes	3
## 652	652	Yes	2
## 654	654	Yes	3
## 661	661	Yes	1
## 665	665	Yes	3
## 671	671	Yes	2
## 674	674	Yes	2
## 678	678	Yes	3
## 680	680	Yes	1
## 690	690	Yes	1
## 691	691	Yes	1
## 692	692	Yes	3
## 693	693	Yes	3
## 698	698	Yes	3
## 702	702	Yes	1
## 707	707	Yes	2
## 708	708	Yes	1
## 711	711	Yes	1
## 713	713	Yes	1
## 721	721	Yes	2
## 725	725	Yes	1
## 727	727	Yes	2
## 728	728	Yes	3
## 731	731	Yes	1
## 738	738	Yes	1
## 743	743	Yes	1
## 745	745	Yes	3
## 748	748	Yes	2
## 751	751	Yes	2
## 752	752	Yes	3
## 755	755	Yes	2
## 756	756	Yes	2
## 760	760	Yes	1
## 763	763	Yes	3
## 764	764	Yes	1
## 775	775	Yes	2

## 778	778	Yes	3
## 780	780	Yes	1
## 782	782	Yes	1
## 789	789	Yes	3
## 797	797	Yes	1
## 798	798	Yes	3
## 802	802	Yes	2
## 803	803	Yes	1
## 804	804	Yes	3
## 810	810	Yes	1
## 821	821	Yes	1
## 822	822	Yes	3
## 824	824	Yes	3
## 828	828	Yes	2
## 829	829	Yes	3
## 832	832	Yes	2
## 836	836	Yes	1
## 839	839	Yes	3
## 840	840	Yes	1
## 850	850	Yes	1
## 854	854	Yes	1
## 856	856	Yes	3
## 857	857	Yes	1
## 858	858	Yes	1
## 859	859	Yes	3
## 863	863	Yes	1
## 866	866	Yes	2
## 867	867	Yes	2
## 870	870	Yes	3
## 872	872	Yes	1
## 875	875	Yes	2
## 876	876	Yes	3
## 880	880	Yes	1
## 881	881	Yes	2
## 888	888	Yes	1

##		name	sex
## 1		Braund, Mr. Owen Harris	male
## 8		Palsson, Master. Gosta Leonard	male
## 13		Saundercock, Mr. William Henry	male
## 15		Vestrom, Miss. Hulda Amanda Adolfina	female
## 17		Rice, Master. Eugene	male
## 19	Vander Planke, Mrs. Julius (Emelia Maria Vandemoortele)		female
## 21		Fynney, Mr. Joseph J	male
## 31		Uruchurtu, Don. Manuel E	male
## 35		Meyer, Mr. Edgar Joseph	male
## 36		Holverson, Mr. Alexander Oskar	male
## 39		Vander Planke, Miss. Augusta Maria	female
## 41	Ahlin, Mrs. Johan (Johanna Persdotter Larsson)		female
## 43		Kraeff, Mr. Theodor	male
## 46		Rogers, Mr. William John	male
## 47		Lennon, Mr. Denis	male
## 49		Samaan, Mr. Youssef	male
## 52		Nosworthy, Mr. Richard Cater	male
## 55		Ostby, Mr. Engelhart Cornelius	male

## 58	Novel, Mr. Mansouer	male
## 60	Goodwin, Master. William Frederick	male
## 64	Skoog, Master. Harald	male
## 68	Crease, Mr. Ernest James	male
## 70	Kink, Mr. Vincenz	male
## 71	Jenkin, Mr. Stephen Curnow	male
## 73	Hood, Mr. Ambrose Jr	male
## 74	Chronopoulos, Mr. Apostolos	male
## 76	Moen, Mr. Sigurd Hansen	male
## 77	Staneff, Mr. Ivan	male
## 78	Moutal, Mr. Rahamin Haim	male
## 84	Carrau, Mr. Francisco M	male
## 87	Ford, Mr. William Neal	male
## 88	Slocovski, Mr. Selman Francis	male
## 90	Celotti, Mr. Francesco	male
## 91	Christmann, Mr. Emil	male
## 93	Chaffee, Mr. Herbert Fuller	male
## 94	Dean, Mr. Bertram Frank	male
## 95	Coxon, Mr. Daniel	male
## 96	Shorney, Mr. Charles Joseph	male
## 97	Goldschmidt, Mr. George B	male
## 100	Kantor, Mr. Sinai	male
## 101	Petranec, Miss. Matilda	female
## 102	Petroff, Mr. Pastcho ("Pentcho")	male
## 103	White, Mr. Richard Frasar	male
## 105	Gustafsson, Mr. Anders Vilhelm	male
## 106	Mionoff, Mr. Stoytcho	male
## 109	Rekic, Mr. Tido	male
## 111	Porter, Mr. Walter Chamberlain	male
## 112	Zabour, Miss. Hileni	female
## 113	Barton, Mr. David John	male
## 114	Jussila, Miss. Katriina	female
## 115	Attalah, Miss. Malake	female
## 116	Pekoniemi, Mr. Edvard	male
## 118	Turpin, Mr. William John Robert	male
## 119	Baxter, Mr. Quigg Edmond	male
## 120	Andersson, Miss. Ellis Anna Maria	female
## 121	Hickman, Mr. Stanley George	male
## 122	Moore, Mr. Leonard Charles	male
## 125	White, Mr. Percival Wayland	male
## 127	McMahon, Mr. Martin	male
## 131	Drazenoic, Mr. Jozef	male
## 132	Coelho, Mr. Domingos Fernandeo	male
## 133	Robins, Mrs. Alexander A (Grace Charity Laury)	female
## 135	Sobey, Mr. Samuel James Hayden	male
## 136	Richard, Mr. Emile	male
## 138	Futrelle, Mr. Jacques Heath	male
## 139	Osen, Mr. Olaf Elon	male
## 141	Boulos, Mrs. Joseph (Sultana)	female
## 144	Burke, Mr. Jeremiah	male
## 145	Andrew, Mr. Edgardo Samuel	male
## 146	Nicholls, Mr. Joseph Charles	male
## 149	Navratil, Mr. Michel ("Louis M Hoffman")	male
## 150	Byles, Rev. Thomas Roussel Davids	male

## 151	Bateman, Rev. Robert James	male
## 153	Meo, Mr. Alfonzo	male
## 154	van Billiard, Mr. Austin Blyler	male
## 155	Olsen, Mr. Ole Martin	male
## 158	Corn, Mr. Harry	male
## 160	Sage, Master. Thomas Henry	male
## 161	Cribb, Mr. John Hatfield	male
## 163	Bengtsson, Mr. John Viktor	male
## 164	Calic, Mr. Jovo	male
## 165	Panula, Master. Eino Viljami	male
## 168	Skoog, Mrs. William (Anna Bernhardina Karlsson)	female
## 170	Ling, Mr. Lee	male
## 171	Van der hoef, Mr. Wyckoff	male
## 172	Rice, Master. Arthur	male
## 174	Sivola, Mr. Antti Wilhelm	male
## 175	Smith, Mr. James Clinch	male
## 176	Klasen, Mr. Klas Albin	male
## 178	Isham, Miss. Ann Elizabeth	female
## 180	Leonard, Mr. Lionel	male
## 181	Sage, Miss. Constance Gladys	female
## 183	Asplund, Master. Clarence Gustaf Hugo	male
## 186	Rood, Mr. Hugh Roscoe	male
## 189	Bourke, Mr. John	male
## 192	Carbines, Mr. William	male
## 197	Mernagh, Mr. Robert	male
## 200	Yrois, Miss. Henriette ("Mrs Harbeck")	female
## 201	Vande Walle, Mr. Nestor Cyriel	male
## 202	Sage, Mr. Frederick	male
## 203	Johanson, Mr. Jakob Alfred	male
## 204	Youseff, Mr. Gerious	male
## 207	Backstrom, Mr. Karl Alfred	male
## 211	Ali, Mr. Ahmed	male
## 213	Perkin, Mr. John Henry	male
## 214	Givard, Mr. Hans Kristensen	male
## 215	Kiernan, Mr. Philip	male
## 218	Jacobsohn, Mr. Sidney Samuel	male
## 220	Harris, Mr. Walter	male
## 222	Bracken, Mr. James H	male
## 223	Green, Mr. George Henry	male
## 224	Nenkoff, Mr. Christo	male
## 226	Berglund, Mr. Karl Ivar Sven	male
## 228	Lovell, Mr. John Hall ("Henry")	male
## 229	Fahlstrom, Mr. Arne Jonas	male
## 230	Lefebre, Miss. Mathilde	female
## 232	Larsson, Mr. Bengt Edvin	male
## 233	Sjostedt, Mr. Ernst Adolf	male
## 235	Leyson, Mr. Robert William Norman	male
## 236	Harknett, Miss. Alice Phoebe	female
## 237	Hold, Mr. Stephen	male
## 239	Pengelly, Mr. Frederick William	male
## 241	Zabour, Miss. Thamine	female
## 243	Coleridge, Mr. Reginald Charles	male
## 244	Maenpaa, Mr. Matti Alexanteri	male
## 245	Attalah, Mr. Sleiman	male

## 246	Minahan, Dr. William Edward	male
## 250	Carter, Rev. Ernest Courtenay	male
## 253	Stead, Mr. William Thomas	male
## 255	Rosblom, Mrs. Viktor (Helena Wilhelmina)	female
## 261	Smith, Mr. Thomas	male
## 264	Harrison, Mr. William	male
## 265	Henry, Miss. Delia	female
## 266	Reeves, Mr. David	male
## 267	Panula, Mr. Ernesti Arvid	male
## 271	Cairns, Mr. Alexander	male
## 274	Natsch, Mr. Charles H	male
## 277	Lindblom, Miss. Augusta Charlotta	female
## 278	Parkes, Mr. Francis "Frank"	male
## 279	Rice, Master. Eric	male
## 281	Duane, Mr. Frank	male
## 283	de Pelsmaecker, Mr. Alfons	male
## 285	Smith, Mr. Richard William	male
## 286	Stankovic, Mr. Ivan	male
## 288	Naidenoff, Mr. Penko	male
## 293	Levy, Mr. Rene Jacques	male
## 294	Haas, Miss. Aloisia	female
## 296	Lewy, Mr. Ervin G	male
## 297	Hanna, Mr. Mansour	male
## 298	Allison, Miss. Helen Loraine	female
## 305	Williams, Mr. Howard Hugh "Harry"	male
## 313	Lahtinen, Mrs. William (Anna Sylfven)	female
## 314	Hendekovic, Mr. Ignjac	male
## 315	Hart, Mr. Benjamin	male
## 318	Moraweck, Dr. Ernest	male
## 321	Dennis, Mr. Samuel	male
## 322	Danoff, Mr. Yoto	male
## 325	Sage, Mr. George John Jr	male
## 333	Graham, Mr. George Edward	male
## 336	Denkoff, Mr. Mitto	male
## 337	Pears, Mr. Thomas Clinton	male
## 340	Blackwell, Mr. Stephen Weart	male
## 344	Sedgwick, Mr. Charles Frederick Waddington	male
## 345	Fox, Mr. Stanley Hubert	male
## 351	Odahl, Mr. Nils Martin	male
## 352	Williams-Lambert, Mr. Fletcher Fellows	male
## 353	Elias, Mr. Tannous	male
## 356	Vanden Steen, Mr. Leo Peter	male
## 358	Funk, Miss. Annie Clemmer	female
## 363	Barbara, Mrs. (Catherine David)	female
## 364	Asim, Mr. Adola	male
## 365	O'Brien, Mr. Thomas	male
## 366	Adahl, Mr. Mauritz Nils Martin	male
## 372	Wiklund, Mr. Jakob Alfred	male
## 374	Ringhini, Mr. Sante	male
## 375	Palsson, Miss. Stina Viola	female
## 378	Widener, Mr. Harry Elkins	male
## 383	Tikkanen, Mr. Juho	male
## 385	Plotcharsky, Mr. Vasil	male
## 386	Davies, Mr. Charles Henry	male

## 387	Goodwin, Master. Sidney Leonard	male
## 389	Sadlier, Mr. Matthew	male
## 393	Gustafsson, Mr. Johan Birger	male
## 397	Olsson, Miss. Elina	female
## 399	Pain, Dr. Alfred	male
## 403	Jussila, Miss. Mari Aina	female
## 405	Oreskovic, Miss. Marija	female
## 406	Gale, Mr. Shadrach	male
## 407	Widegren, Mr. Carl/Charles Peter	male
## 409	Birkeland, Mr. Hans Martin Monsen	male
## 410	Lefebvre, Miss. Ida	female
## 412	Hart, Mr. Henry	male
## 414	Cunningham, Mr. Alfred Fleming	male
## 416	Meek, Mrs. Thomas (Annie Louise Rowley)	female
## 419	Matthews, Mr. William John	male
## 420	Van Impe, Miss. Catharina	female
## 421	Gheorgheff, Mr. Stanio	male
## 422	Charters, Mr. David	male
## 423	Zimmerman, Mr. Leo	male
## 424	Danbom, Mrs. Ernst Gilbert (Anna Sigrid Maria Brogren)	female
## 425	Rosblom, Mr. Viktor Richard	male
## 426	Wiseman, Mr. Phillippe	male
## 429	Flynn, Mr. James	male
## 435	Silvey, Mr. William Baird	male
## 439	Fortune, Mr. Mark	male
## 440	Kvillner, Mr. Johan Henrik Johannesson	male
## 451	West, Mr. Edwy Arthur	male
## 452	Hagland, Mr. Ingvald Olai Olsen	male
## 453	Foreman, Mr. Benjamin Laventall	male
## 455	Peduzzi, Mr. Joseph	male
## 457	Millet, Mr. Francis Davis	male
## 460	O'Connor, Mr. Maurice	male
## 462	Morley, Mr. William	male
## 463	Gee, Mr. Arthur H	male
## 464	Milling, Mr. Jacob Christian	male
## 466	Goncalves, Mr. Manuel Estanslas	male
## 467	Campbell, Mr. William	male
## 468	Smart, Mr. John Montgomery	male
## 469	Scanlan, Mr. James	male
## 471	Keefe, Mr. Arthur	male
## 472	Cacic, Mr. Luka	male
## 475	Strandberg, Miss. Ida Sofia	female
## 476	Clifford, Mr. George Quincy	male
## 477	Renouf, Mr. Peter Henry	male
## 478	Braund, Mr. Lewis Richard	male
## 479	Karlsson, Mr. Nils August	male
## 481	Goodwin, Master. Harold Victor	male
## 482	Frost, Mr. Anthony Wood "Archie"	male
## 486	Lefebvre, Miss. Jeannie	female
## 489	Somerton, Mr. Francis William	male
## 491	Hagland, Mr. Konrad Mathias Reiersen	male
## 493	Molson, Mr. Harry Markland	male
## 494	Artagaveytia, Mr. Ramon	male
## 495	Stanley, Mr. Edward Roland	male

## 496	Yousseff, Mr. Gerious	male
## 498	Shellard, Mr. Frederick William	male
## 499	Allison, Mrs. Hudson J C (Bessie Waldo Daniels)	female
## 503	O'Sullivan, Miss. Bridget Mary	female
## 504	Laitinen, Miss. Kristina Sofia	female
## 506	Penasco y Castellana, Mr. Victor de Satode	male
## 509	Olsen, Mr. Henry Margido	male
## 512	Webber, Mr. James	male
## 515	Coleff, Mr. Satio	male
## 516	Walker, Mr. William Anderson	male
## 518	Ryan, Mr. Patrick	male
## 520	Pavlovic, Mr. Stefo	male
## 523	Lahoud, Mr. Sarkis	male
## 525	Kassem, Mr. Fared	male
## 526	Farrell, Mr. James	male
## 528	Farthing, Mr. John	male
## 529	Salonen, Mr. Johan Werner	male
## 530	Hocking, Mr. Richard George	male
## 532	Toufik, Mr. Nakli	male
## 533	Elias, Mr. Joseph Jr	male
## 535	Cacic, Miss. Marija	female
## 537	Butt, Major. Archibald Willingham	male
## 539	Risien, Mr. Samuel Beard	male
## 542	Andersson, Miss. Ingeborg Constanzia	female
## 543	Andersson, Miss. Sigrid Elisabeth	female
## 545	Douglas, Mr. Walter Donald	male
## 546	Nicholson, Mr. Arthur Ernest	male
## 549	Goldsmith, Mr. Frank John	male
## 552	Sharp, Mr. Percival James R	male
## 553	O'Brien, Mr. Timothy	male
## 558	Robbins, Mr. Victor	male
## 561	Morrow, Mr. Thomas Rowan	male
## 563	Norman, Mr. Robert Douglas	male
## 564	Simmons, Mr. John	male
## 565	Meanwell, Miss. (Marion Ogden)	female
## 566	Davies, Mr. Alfred J	male
## 567	Stoytcheff, Mr. Ilia	male
## 569	Doharr, Mr. Tannous	male
## 575	Rush, Mr. Alfred George John	male
## 579	Caram, Mrs. Joseph (Maria Elias)	female
## 583	Downton, Mr. William James	male
## 584	Ross, Mr. John Hugo	male
## 587	Jarvis, Mr. John Denzil	male
## 590	Murdlin, Mr. Joseph	male
## 591	Rintamaki, Mr. Matti	male
## 594	Bourke, Miss. Mary	female
## 595	Chapman, Mr. John Henry	male
## 596	Van Impe, Mr. Jean Baptiste	male
## 599	Boulos, Mr. Hanna	male
## 602	Slabenoff, Mr. Petco	male
## 603	Harrington, Mr. Charles H	male
## 606	Lindell, Mr. Edvard Bengtsson	male
## 607	Karaic, Mr. Milan	male
## 611	Andersson, Mrs. Anders Johan (Alfrida Konstantia Brogren)	female

## 612	Jardin, Mr. Jose Neto	male
## 615	Brocklebank, Mr. William Alfred	male
## 618	Lobb, Mrs. William Arthur (Cordelia K Stanlick)	female
## 620	Gavey, Mr. Lawrence	male
## 621	Yasbeck, Mr. Antoni	male
## 625	Bowen, Mr. David John "Dai"	male
## 626	Sutton, Mr. Frederick	male
## 627	Kirkland, Rev. Charles Leonard	male
## 629	Bostandyeff, Mr. Guentcho	male
## 630	O'Connell, Mr. Patrick D	male
## 632	Lundahl, Mr. Johan Svensson	male
## 635	Skoog, Miss. Mabel	female
## 638	Collyer, Mr. Harvey	male
## 639	Panula, Mrs. Juha (Maria Emilia Ojala)	female
## 640	Thorneycroft, Mr. Percival	male
## 641	Jensen, Mr. Hans Peder	male
## 643	Skoog, Miss. Margit Elizabeth	female
## 647	Cor, Mr. Liudevit	male
## 649	Willey, Mr. Edward	male
## 651	Mitkoff, Mr. Mito	male
## 653	Kalvik, Mr. Johannes Halvorsen	male
## 655	Hegarty, Miss. Hanora "Nora"	female
## 656	Hickman, Mr. Leonard Mark	male
## 657	Radeff, Mr. Alexander	male
## 658	Bourke, Mrs. John (Catherine)	female
## 659	Eitemiller, Mr. George Floyd	male
## 660	Newell, Mr. Arthur Webster	male
## 662	Badt, Mr. Mohamed	male
## 664	Coleff, Mr. Peju	male
## 666	Hickman, Mr. Lewis	male
## 667	Butler, Mr. Reginald Fenton	male
## 668	Rommetvedt, Mr. Knud Paust	male
## 669	Cook, Mr. Jacob	male
## 673	Mitchell, Mr. Henry Michael	male
## 675	Watson, Mr. Ennis Hastings	male
## 676	Edvardsson, Mr. Gustaf Hjalmar	male
## 677	Sawyer, Mr. Frederick Charles	male
## 681	Peters, Miss. Katie	female
## 683	Olsvigen, Mr. Thor Anderson	male
## 684	Goodwin, Mr. Charles Edward	male
## 685	Brown, Mr. Thomas William Solomon	male
## 686	Laroche, Mr. Joseph Philippe Lemercier	male
## 687	Panula, Mr. Jaako Arnold	male
## 688	Dakic, Mr. Branko	male
## 689	Fischer, Mr. Eberhard Thelander	male
## 694	Saad, Mr. Khalil	male
## 695	Weir, Col. John	male
## 697	Kelly, Mr. James	male
## 699	Thayer, Mr. John Borland	male
## 700	Humblen, Mr. Adolf Mathias Nicolai Olsen	male
## 703	Barbara, Miss. Saiide	female
## 704	Gallagher, Mr. Martin	male
## 705	Hansen, Mr. Henrik Juul	male
## 712	Klaber, Mr. Herman	male

## 714	Larsson, Mr. August Viktor	male
## 715	Greenberg, Mr. Samuel	male
## 716	Soholt, Mr. Peter Andreas Lauritz Andersen	male
## 720	Johnson, Mr. Malkolm Joackim	male
## 723	Gillespie, Mr. William Henry	male
## 724	Hodges, Mr. Henry Price	male
## 726	Oreskovic, Mr. Luka	male
## 730	Ilmakangas, Miss. Pieta Sofia	female
## 732	Hassan, Mr. Houssein G N	male
## 733	Knight, Mr. Robert J	male
## 734	Berriman, Mr. William John	male
## 735	Troupiansky, Mr. Moses Aaron	male
## 736	Williams, Mr. Leslie	male
## 739	Ivanoff, Mr. Kanio	male
## 740	Nankoff, Mr. Minko	male
## 742	Cavendish, Mr. Tyrell William	male
## 744	McNamee, Mr. Neal	male
## 746	Crosby, Capt. Edward Gifford	male
## 747	Abbott, Mr. Rossmore Edward	male
## 749	Marvin, Mr. Daniel Warner	male
## 750	Connaghton, Mr. Michael	male
## 753	Vande Velde, Mr. Johannes Joseph	male
## 754	Jonkoff, Mr. Lelio	male
## 758	Bailey, Mr. Percy Andrew	male
## 759	Theobald, Mr. Thomas Leonard	male
## 761	Garfirth, Mr. John	male
## 762	Nirva, Mr. Iisakki Antino Aijo	male
## 765	Eklund, Mr. Hans Linus	male
## 767	Brewe, Dr. Arthur Jackson	male
## 768	Mangan, Miss. Mary	female
## 769	Moran, Mr. Daniel J	male
## 770	Gronnestad, Mr. Daniel Danielsen	male
## 771	Lievens, Mr. Rene Aime	male
## 772	Jensen, Mr. Niels Peder	male
## 773	Mack, Mrs. (Mary)	female
## 774	Elias, Mr. Dibo	male
## 777	Tobin, Mr. Roger	male
## 779	Kilgannon, Mr. Thomas J	male
## 783	Long, Mr. Milton Clyde	male
## 785	Ali, Mr. William	male
## 786	Harmer, Mr. Abraham (David Lishin)	male
## 788	Rice, Master. George Hugh	male
## 790	Guggenheim, Mr. Benjamin	male
## 791	Keane, Mr. Andrew "Andy"	male
## 792	Gaskell, Mr. Alfred	male
## 793	Sage, Miss. Stella Anna	female
## 794	Hoyt, Mr. William Fisher	male
## 796	Otter, Mr. Richard	male
## 800	Van Impe, Mrs. Jean Baptiste (Rosalie Paula Govaert)	female
## 801	Ponesell, Mr. Martin	male
## 807	Andrews, Mr. Thomas Jr	male
## 808	Pettersson, Miss. Ellen Natalia	female
## 809	Meyer, Mr. August	male
## 811	Alexander, Mr. William	male

## 812	Lester, Mr. James	male
## 814	Andersson, Miss. Ebba Iris Alfrida	female
## 815	Tomlin, Mr. Ernest Portage	male
## 816	Fry, Mr. Richard	male
## 817	Heininen, Miss. Wendla Maria	female
## 818	Mallet, Mr. Albert	male
## 819	Holm, Mr. John Fredrik Alexander	male
## 823	Reuchlin, Jonkheer. John George	male
## 825	Panula, Master. Urho Abraham	male
## 827	Lam, Mr. Len	male
## 833	Saad, Mr. Amin	male
## 834	Augustsson, Mr. Albert	male
## 835	Allum, Mr. Owen George	male
## 837	Pasic, Mr. Jakob	male
## 838	Sirota, Mr. Maurice	male
## 841	Alhomaki, Mr. Ilmari Rudolf	male
## 844	Lemberopolous, Mr. Peter L	male
## 845	Culumovic, Mr. Jeso	male
## 846	Abbing, Mr. Anthony	male
## 847	Sage, Mr. Douglas Bullen	male
## 848	Markoff, Mr. Marin	male
## 849	Harper, Rev. John	male
## 851	Andersson, Master. Sigvard Harald Elias	male
## 852	Svensson, Mr. Johan	male
## 855	Carter, Mrs. Ernest Courtenay (Lilian Hughes)	female
## 860	Razi, Mr. Raihed	male
## 862	Giles, Mr. Frederick Edward	male
## 864	Sage, Miss. Dorothy Edith "Dolly"	female
## 865	Gill, Mr. John William	male
## 868	Roebbling, Mr. Washington Augustus II	male
## 869	van Melkebeke, Mr. Philemon	male
## 873	Carlsson, Mr. Frans Olof	male
## 874	Vander Cruyssen, Mr. Victor	male
## 877	Gustafsson, Mr. Alfred Ossian	male
## 878	Petroff, Mr. Nedelio	male
## 882	Markun, Mr. Johann	male
## 883	Dahlberg, Miss. Gerda Ulrika	female
## 884	Banfield, Mr. Frederick James	male
## 885	Sutehall, Mr. Henry Jr	male
## 886	Rice, Mrs. William (Margaret Norton)	female
## 887	Montvila, Rev. Juozas	male
## 889	Johnston, Miss. Catherine Helen "Carrie"	female
## 891	Dooley, Mr. Patrick	male
## 2	Cumings, Mrs. John Bradley (Florence Briggs Thayer)	female
## 3	Heikkinen, Miss. Laina	female
## 9	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)	female
## 11	Sandstrom, Miss. Marguerite Rut	female
## 16	Hewlett, Mrs. (Mary D Kingcome)	female
## 20	Masselmani, Mrs. Fatima	female
## 22	Beesley, Mr. Lawrence	male
## 23	McGowan, Miss. Anna "Annie"	female
## 24	Sloper, Mr. William Thompson	male
## 26	Asplund, Mrs. Carl Oscar (Selma Augusta Emilia Johansson)	female
## 29	O'Dwyer, Miss. Ellen "Nellie"	female

## 32	Spencer, Mrs. William Augustus (Marie Eugenie)	female
## 33	Glynn, Miss. Mary Agatha	female
## 37	Mamee, Mr. Hanna	male
## 45	Devaney, Miss. Margaret Delia	female
## 56	Woolner, Mr. Hugh	male
## 57	Rugg, Miss. Emily	female
## 59	West, Miss. Constance Mirium	female
## 62	Icard, Miss. Amelie	female
## 66	Moubarek, Master. Gerios	male
## 67	Nye, Mrs. (Elizabeth Ramell)	female
## 69	Andersson, Miss. Erna Alexandra	female
## 75	Bing, Mr. Lee	male
## 79	Caldwell, Master. Alden Gates	male
## 80	Dowdell, Miss. Elizabeth	female
## 83	McDermott, Miss. Brigdet Delia	female
## 85	Ilett, Miss. Bertha	female
## 86	Backstrom, Mrs. Karl Alfred (Maria Mathilda Gustafsson)	female
## 89	Fortune, Miss. Mabel Helen	female
## 98	Greenfield, Mr. William Bertram	male
## 99	Doling, Mrs. John T (Ada Julia Bone)	female
## 107	Salkjelsvik, Miss. Anna Kristine	female
## 108	Moss, Mr. Albert Johan	male
## 110	Moran, Miss. Bertha	female
## 124	Webber, Miss. Susan	female
## 126	Nicola-Yarred, Master. Elias	male
## 128	Madsen, Mr. Fridtjof Arne	male
## 129	Peter, Miss. Anna	female
## 137	Newsom, Miss. Helen Monypeny	female
## 142	Nysten, Miss. Anna Sofia	female
## 143	Hakkarainen, Mrs. Pekka Pietari (Elin Matilda Dolck)	female
## 147	Andersson, Mr. August Edvard ("Wennerstrom")	male
## 162	Watt, Mrs. James (Elizabeth "Bessie" Inglis Milne)	female
## 167	Chibnall, Mrs. (Edith Martha Bowerman)	female
## 173	Johnson, Miss. Eleanor Ileen	female
## 184	Becker, Master. Richard F	male
## 188	Romaine, Mr. Charles Hallace ("Mr C Rolmane")	male
## 191	Pinsky, Mrs. (Rosa)	female
## 193	Andersen-Jensen, Miss. Carla Christine Nielsine	female
## 194	Navratil, Master. Michel M	male
## 195	Brown, Mrs. James Joseph (Margaret Tobin)	female
## 205	Cohen, Mr. Gurshon "Gus"	male
## 208	Albimona, Mr. Nassef Cassem	male
## 209	Carr, Miss. Helen "Ellen"	female
## 210	Blank, Mr. Henry	male
## 212	Cameron, Miss. Clear Annie	female
## 216	Newell, Miss. Madeleine	female
## 217	Honkanen, Miss. Eliina	female
## 219	Bazzani, Miss. Albina	female
## 221	Sunderland, Mr. Victor Francis	male
## 225	Hoyt, Mr. Frederick Maxfield	male
## 227	Mellors, Mr. William John	male
## 231	Harris, Mrs. Henry Birkhardt (Irene Wallach)	female
## 234	Asplund, Miss. Lillian Gertrud	female
## 238	Collyer, Miss. Marjorie "Lottie"	female

242 Murphy, Miss. Katherine "Kate" female
 ## 248 Hamalainen, Mrs. William (Anna) female
 ## 249 Beckwith, Mr. Richard Leonard male
 ## 257 Thorne, Mrs. Gertrude Maybelle female
 ## 259 Ward, Miss. Anna female
 ## 260 Parrish, Mrs. (Lutie Davis) female
 ## 262 Asplund, Master. Edwin Rojj Felix male
 ## 268 Persson, Mr. Ernst Ulrik male
 ## 270 Bissette, Miss. Amelia female
 ## 273 Mellinger, Mrs. (Elizabeth Anne Maidment) female
 ## 276 Andrews, Miss. Kornelia Theodosia female
 ## 280 Abbott, Mrs. Stanton (Rosa Hunt) female
 ## 287 de Mulder, Mr. Theodore male
 ## 289 Hosono, Mr. Masabumi male
 ## 291 Barber, Miss. Ellen "Nellie" female
 ## 292 Bishop, Mrs. Dickinson H (Helen Walton) female
 ## 299 Saalfeld, Mr. Adolphe male
 ## 300 Baxter, Mrs. James (Helene DeLaudeniere Chaput) female
 ## 301 Kelly, Miss. Anna Katherine "Annie Kate" female
 ## 302 McCoy, Mr. Bernard male
 ## 304 Keane, Miss. Nora A female
 ## 306 Allison, Master. Hudson Trevor male
 ## 307 Fleming, Miss. Margaret female
 ## 312 Ryerson, Miss. Emily Borie female
 ## 316 Nilsson, Miss. Helmina Josefina female
 ## 319 Wick, Miss. Mary Natalie female
 ## 323 Slayter, Miss. Hilda Mary female
 ## 324 Caldwell, Mrs. Albert Francis (Sylvia Mae Harbaugh) female
 ## 326 Young, Miss. Marie Grice female
 ## 328 Ball, Mrs. (Ada E Hall) female
 ## 329 Goldsmith, Mrs. Frank John (Emily Alice Brown) female
 ## 330 Hippach, Miss. Jean Gertrude female
 ## 335 Frauenthal, Mrs. Henry William (Clara Heinsheimer) female
 ## 338 Burns, Miss. Elizabeth Margaret female
 ## 339 Dahl, Mr. Karl Edwart male
 ## 341 Navratil, Master. Edmond Roger male
 ## 342 Fortune, Miss. Alice Elizabeth female
 ## 347 Smith, Miss. Marion Elsie female
 ## 348 Davison, Mrs. Thomas Henry (Mary E Finck) female
 ## 349 Coutts, Master. William Loch "William" male
 ## 359 McGovern, Miss. Mary female
 ## 360 Mockler, Miss. Helen Mary "Ellie" female
 ## 367 Warren, Mrs. Frank Manley (Anna Sophia Atkinson) female
 ## 369 Jermyn, Miss. Annie female
 ## 370 Aubart, Mme. Leontine Pauline female
 ## 371 Harder, Mr. George Achilles male
 ## 376 Meyer, Mrs. Edgar Joseph (Leila Saks) female
 ## 377 Landergren, Miss. Aurora Adelia female
 ## 381 Bidois, Miss. Rosalie female
 ## 382 Nakid, Miss. Maria ("Mary") female
 ## 384 Holverson, Mrs. Alexander Oskar (Mary Aline Towner) female
 ## 388 Buss, Miss. Kate female
 ## 390 Lehmann, Miss. Bertha female
 ## 392 Jansson, Mr. Carl Olof male

## 394	Newell, Miss. Marjorie	female
## 395	Sandstrom, Mrs. Hjalmar (Agnes Charlotta Bengtsson)	female
## 400	Trout, Mrs. William H (Jessie L)	female
## 401	Niskanen, Mr. Juha	male
## 408	Richards, Master. William Rowe	male
## 413	Minahan, Miss. Daisy E	female
## 415	Sundman, Mr. Johan Julian	male
## 417	Drew, Mrs. James Vivian (Lulu Thorne Christian)	female
## 418	Silven, Miss. Lyyli Karoliina	female
## 427	Clarke, Mrs. Charles V (Ada Maria Winfield)	female
## 430	Pickard, Mr. Berk (Berk Trembisky)	male
## 431	Bjornstrom-Steffansson, Mr. Mauritz Hakan	male
## 432	Thorneycroft, Mrs. Percival (Florence Kate White)	female
## 433	Louch, Mrs. Charles Alexander (Alice Adelaide Slow)	female
## 436	Carter, Miss. Lucile Polk	female
## 438	Richards, Mrs. Sidney (Emily Hocking)	female
## 441	Hart, Mrs. Benjamin (Esther Ada Bloomfield)	female
## 444	Reynaldo, Ms. Encarnacion	female
## 445	Johannesen-Bratthammer, Mr. Bernt	male
## 446	Dodge, Master. Washington	male
## 448	Seward, Mr. Frederic Kimber	male
## 449	Baclini, Miss. Marie Catherine	female
## 450	Peuchen, Major. Arthur Godfrey	male
## 454	Goldenberg, Mr. Samuel L	male
## 456	Jalsevac, Mr. Ivan	male
## 461	Anderson, Mr. Harry	male
## 470	Baclini, Miss. Helene Barbara	female
## 473	West, Mrs. Edwy Arthur (Ada Mary Worth)	female
## 474	Jerwan, Mrs. Amin S (Marie Marthe Thuillard)	female
## 484	Turkula, Mrs. (Hedwig)	female
## 485	Bishop, Mr. Dickinson H	male
## 497	Eustis, Miss. Elizabeth Mussey	female
## 505	Maioni, Miss. Roberta	female
## 507	Quick, Mrs. Frederick Charles (Jane Richards)	female
## 510	Lang, Mr. Fang	male
## 511	Daly, Mr. Eugene Patrick	male
## 513	McGough, Mr. James Robert	male
## 514	Rothschild, Mrs. Martin (Elizabeth L. Barrett)	female
## 517	Lemore, Mrs. (Amelia Milley)	female
## 519	Angle, Mrs. William A (Florence "Mary" Agnes Hughes)	female
## 524	Hippach, Mrs. Louis Albert (Ida Sophia Fischer)	female
## 527	Ridsdale, Miss. Lucy	female
## 531	Quick, Miss. Phyllis May	female
## 534	Peter, Mrs. Catherine (Catherine Rizk)	female
## 538	LeRoy, Miss. Bertha	female
## 540	Frolicher, Miss. Hedwig Margaritha	female
## 544	Beane, Mr. Edward	male
## 548	Padro y Manent, Mr. Julian	male
## 550	Davies, Master. John Morgan Jr	male
## 551	Thayer, Mr. John Borland Jr	male
## 554	Leeni, Mr. Fahim ("Philip Zenni")	male
## 555	Ohman, Miss. Velin	female
## 557	Duff Gordon, Lady. (Lucille Christiana Sutherland) ("Mrs Morgan")	female
## 559	Taussig, Mrs. Emil (Tillie Mandelbaum)	female

560 de Messemaeker, Mrs. Guillaume Joseph (Emma) female
 ## 571 Harris, Mr. George male
 ## 572 Appleton, Mrs. Edward Dale (Charlotte Lamson) female
 ## 574 Kelly, Miss. Mary female
 ## 577 Garside, Miss. Ethel female
 ## 578 Silvey, Mrs. William Baird (Alice Munger) female
 ## 580 Jussila, Mr. Eiriik male
 ## 581 Christy, Miss. Julie Rachel female
 ## 582 Thayer, Mrs. John Borland (Marian Longstreth Morris) female
 ## 586 Taussig, Miss. Ruth female
 ## 588 Frolicher-Stehli, Mr. Maxmillian male
 ## 592 Stephenson, Mrs. Walter Bertram (Martha Eustis) female
 ## 597 Leitch, Miss. Jessie Wills female
 ## 601 Jacobsohn, Mrs. Sidney Samuel (Amy Frances Christy) female
 ## 605 Homer, Mr. Harry ("Mr E Haven") male
 ## 609 Laroche, Mrs. Joseph (Juliette Marie Louise Lafargue) female
 ## 610 Shutes, Miss. Elizabeth W female
 ## 613 Murphy, Miss. Margaret Jane female
 ## 616 Herman, Miss. Alice female
 ## 619 Becker, Miss. Marion Louise female
 ## 622 Kimball, Mr. Edwin Nelson Jr male
 ## 623 Nakid, Mr. Sahid male
 ## 628 Longley, Miss. Gretchen Fiske female
 ## 631 Barkworth, Mr. Algernon Henry Wilson male
 ## 633 Stahelin-Maeglin, Dr. Max male
 ## 642 Sagesser, Mlle. Emma female
 ## 644 Foo, Mr. Choong male
 ## 646 Harper, Mr. Henry Sleeper male
 ## 648 Simonius-Blumer, Col. Oberst Alfons male
 ## 650 Stanley, Miss. Amy Zillah Elsie female
 ## 652 Doling, Miss. Elsie female
 ## 654 O'Leary, Miss. Hanora "Norah" female
 ## 661 Frauenthal, Dr. Henry William male
 ## 665 Lindqvist, Mr. Eino William male
 ## 671 Brown, Mrs. Thomas William Solomon (Elizabeth Catherine Ford) female
 ## 674 Wilhelms, Mr. Charles male
 ## 678 Turja, Miss. Anna Sofia female
 ## 680 Cardeza, Mr. Thomas Drake Martinez male
 ## 690 Madill, Miss. Georgette Alexandra female
 ## 691 Dick, Mr. Albert Adrian male
 ## 692 Karun, Miss. Manca female
 ## 693 Lam, Mr. Ali male
 ## 698 Mullens, Miss. Katherine "Katie" female
 ## 702 Silverthorne, Mr. Spencer Victor male
 ## 707 Kelly, Mrs. Florence "Fannie" female
 ## 708 Calderhead, Mr. Edward Pennington male
 ## 711 Mayne, Mlle. Berthe Antonine ("Mrs de Villiers") female
 ## 713 Taylor, Mr. Elmer Zebley male
 ## 721 Harper, Miss. Annie Jessie "Nina" female
 ## 725 Chambers, Mr. Norman Campbell male
 ## 727 Renouf, Mrs. Peter Henry (Lillian Jefferys) female
 ## 728 Mannion, Miss. Margareth female
 ## 731 Allen, Miss. Elisabeth Walton female
 ## 738 Lesurer, Mr. Gustave J male

## 743	Ryerson, Miss. Susan Parker "Suzette"	female
## 745	Stranden, Mr. Juho	male
## 748	Sinkkonen, Miss. Anna	female
## 751	Wells, Miss. Joan	female
## 752	Moor, Master. Meier	male
## 755	Herman, Mrs. Samuel (Jane Laver)	female
## 756	Hamalainen, Master. Viljo	male
## 760	Roths, the Countess. of (Lucy Noel Martha Dyer-Edwards)	female
## 763	Barah, Mr. Hanna Assi	male
## 764	Carter, Mrs. William Ernest (Lucile Polk)	female
## 775	Hocking, Mrs. Elizabeth (Eliza Needs)	female
## 778	Emanuel, Miss. Virginia Ethel	female
## 780	Robert, Mrs. Edward Scott (Elisabeth Walton McMillan)	female
## 782	Dick, Mrs. Albert Adrian (Vera Gillespie)	female
## 789	Dean, Master. Bertram Vere	male
## 797	Leader, Dr. Alice (Farnham)	female
## 798	Osman, Mrs. Mara	female
## 802	Collyer, Mrs. Harvey (Charlotte Annie Tate)	female
## 803	Carter, Master. William Thornton II	male
## 804	Thomas, Master. Assad Alexander	male
## 810	Chambers, Mrs. Norman Campbell (Bertha Griggs)	female
## 821	Hays, Mrs. Charles Melville (Clara Jennings Gregg)	female
## 822	Lulic, Mr. Nikola	male
## 824	Moor, Mrs. (Beila)	female
## 828	Mallet, Master. Andre	male
## 829	McCormack, Mr. Thomas Joseph	male
## 832	Richards, Master. George Sibley	male
## 836	Compton, Miss. Sara Rebecca	female
## 839	Chip, Mr. Chang	male
## 840	Marechal, Mr. Pierre	male
## 850	Goldenberg, Mrs. Samuel L (Edwiga Grabowska)	female
## 854	Lines, Miss. Mary Conover	female
## 856	Aks, Mrs. Sam (Leah Rosen)	female
## 857	Wick, Mrs. George Dennick (Mary Hitchcock)	female
## 858	Daly, Mr. Peter Denis	male
## 859	Baclini, Mrs. Solomon (Latifa Qurban)	female
## 863	Swift, Mrs. Frederick Joel (Margaret Welles Barron)	female
## 866	Bystrom, Mrs. (Karolina)	female
## 867	Duran y More, Miss. Asuncion	female
## 870	Johnson, Master. Harold Theodor	male
## 872	Beckwith, Mrs. Richard Leonard (Sallie Monypeny)	female
## 875	Abelson, Mrs. Samuel (Hannah Wizosky)	female
## 876	Najib, Miss. Adele Kiamie "Jane"	female
## 880	Potter, Mrs. Thomas Jr (Lily Alexenia Wilson)	female
## 881	Shelley, Mrs. William (Imanita Parrish Hall)	female
## 888	Graham, Miss. Margaret Edith	female

##	age	sib_sp	parch	ticket	fare	cabin	embarked
## 1	22.00	1	0	A/5 21171	7.2500	<NA>	S
## 8	2.00	3	1	349909	21.0750	<NA>	S
## 13	20.00	0	0	A/5. 2151	8.0500	<NA>	S
## 15	14.00	0	0	350406	7.8542	<NA>	S
## 17	2.00	4	1	382652	29.1250	<NA>	Q
## 19	31.00	1	0	345763	18.0000	<NA>	S
## 21	35.00	0	0	239865	26.0000	<NA>	S

## 31	40.00	0	0	PC 17601	27.7208	<NA>	C
## 35	28.00	1	0	PC 17604	82.1708	<NA>	C
## 36	42.00	1	0	113789	52.0000	<NA>	S
## 39	18.00	2	0	345764	18.0000	<NA>	S
## 41	40.00	1	0	7546	9.4750	<NA>	S
## 43	NA	0	0	349253	7.8958	<NA>	C
## 46	NA	0	0	S.C./A.4. 23567	8.0500	<NA>	S
## 47	NA	1	0	370371	15.5000	<NA>	Q
## 49	NA	2	0	2662	21.6792	<NA>	C
## 52	21.00	0	0	A/4. 39886	7.8000	<NA>	S
## 55	65.00	0	1	113509	61.9792	B30	C
## 58	28.50	0	0	2697	7.2292	<NA>	C
## 60	11.00	5	2	CA 2144	46.9000	<NA>	S
## 64	4.00	3	2	347088	27.9000	<NA>	S
## 68	19.00	0	0	S.P. 3464	8.1583	<NA>	S
## 70	26.00	2	0	315151	8.6625	<NA>	S
## 71	32.00	0	0	C.A. 33111	10.5000	<NA>	S
## 73	21.00	0	0	S.O.C. 14879	73.5000	<NA>	S
## 74	26.00	1	0	2680	14.4542	<NA>	C
## 76	25.00	0	0	348123	7.6500	F G73	S
## 77	NA	0	0	349208	7.8958	<NA>	S
## 78	NA	0	0	374746	8.0500	<NA>	S
## 84	28.00	0	0	113059	47.1000	<NA>	S
## 87	16.00	1	3	W./C. 6608	34.3750	<NA>	S
## 88	NA	0	0	SOTON/OQ 392086	8.0500	<NA>	S
## 90	24.00	0	0	343275	8.0500	<NA>	S
## 91	29.00	0	0	343276	8.0500	<NA>	S
## 93	46.00	1	0	W.E.P. 5734	61.1750	E31	S
## 94	26.00	1	2	C.A. 2315	20.5750	<NA>	S
## 95	59.00	0	0	364500	7.2500	<NA>	S
## 96	NA	0	0	374910	8.0500	<NA>	S
## 97	71.00	0	0	PC 17754	34.6542	A5	C
## 100	34.00	1	0	244367	26.0000	<NA>	S
## 101	28.00	0	0	349245	7.8958	<NA>	S
## 102	NA	0	0	349215	7.8958	<NA>	S
## 103	21.00	0	1	35281	77.2875	D26	S
## 105	37.00	2	0	3101276	7.9250	<NA>	S
## 106	28.00	0	0	349207	7.8958	<NA>	S
## 109	38.00	0	0	349249	7.8958	<NA>	S
## 111	47.00	0	0	110465	52.0000	C110	S
## 112	14.50	1	0	2665	14.4542	<NA>	C
## 113	22.00	0	0	324669	8.0500	<NA>	S
## 114	20.00	1	0	4136	9.8250	<NA>	S
## 115	17.00	0	0	2627	14.4583	<NA>	C
## 116	21.00	0	0	STON/O 2. 3101294	7.9250	<NA>	S
## 118	29.00	1	0	11668	21.0000	<NA>	S
## 119	24.00	0	1	PC 17558	247.5208	B58 B60	C
## 120	2.00	4	2	347082	31.2750	<NA>	S
## 121	21.00	2	0	S.O.C. 14879	73.5000	<NA>	S
## 122	NA	0	0	A4. 54510	8.0500	<NA>	S
## 125	54.00	0	1	35281	77.2875	D26	S
## 127	NA	0	0	370372	7.7500	<NA>	Q
## 131	33.00	0	0	349241	7.8958	<NA>	C
## 132	20.00	0	0	SOTON/O.Q. 3101307	7.0500	<NA>	S

## 133	47.00	1	0	A/5. 3337	14.5000	<NA>	S
## 135	25.00	0	0	C.A. 29178	13.0000	<NA>	S
## 136	23.00	0	0	SC/PARIS 2133	15.0458	<NA>	C
## 138	37.00	1	0	113803	53.1000	C123	S
## 139	16.00	0	0	7534	9.2167	<NA>	S
## 141	NA	0	2	2678	15.2458	<NA>	C
## 144	19.00	0	0	365222	6.7500	<NA>	Q
## 145	18.00	0	0	231945	11.5000	<NA>	S
## 146	19.00	1	1	C.A. 33112	36.7500	<NA>	S
## 149	36.50	0	2	230080	26.0000	F2	S
## 150	42.00	0	0	244310	13.0000	<NA>	S
## 151	51.00	0	0	S.O.P. 1166	12.5250	<NA>	S
## 153	55.50	0	0	A.5. 11206	8.0500	<NA>	S
## 154	40.50	0	2	A/5. 851	14.5000	<NA>	S
## 155	NA	0	0	Fa 265302	7.3125	<NA>	S
## 158	30.00	0	0	SOTON/OQ 392090	8.0500	<NA>	S
## 160	NA	8	2	CA. 2343	69.5500	<NA>	S
## 161	44.00	0	1	371362	16.1000	<NA>	S
## 163	26.00	0	0	347068	7.7750	<NA>	S
## 164	17.00	0	0	315093	8.6625	<NA>	S
## 165	1.00	4	1	3101295	39.6875	<NA>	S
## 168	45.00	1	4	347088	27.9000	<NA>	S
## 170	28.00	0	0	1601	56.4958	<NA>	S
## 171	61.00	0	0	111240	33.5000	B19	S
## 172	4.00	4	1	382652	29.1250	<NA>	Q
## 174	21.00	0	0	STON/O 2. 3101280	7.9250	<NA>	S
## 175	56.00	0	0	17764	30.6958	A7	C
## 176	18.00	1	1	350404	7.8542	<NA>	S
## 178	50.00	0	0	PC 17595	28.7125	C49	C
## 180	36.00	0	0	LINE	0.0000	<NA>	S
## 181	NA	8	2	CA. 2343	69.5500	<NA>	S
## 183	9.00	4	2	347077	31.3875	<NA>	S
## 186	NA	0	0	113767	50.0000	A32	S
## 189	40.00	1	1	364849	15.5000	<NA>	Q
## 192	19.00	0	0	28424	13.0000	<NA>	S
## 197	NA	0	0	368703	7.7500	<NA>	Q
## 200	24.00	0	0	248747	13.0000	<NA>	S
## 201	28.00	0	0	345770	9.5000	<NA>	S
## 202	NA	8	2	CA. 2343	69.5500	<NA>	S
## 203	34.00	0	0	3101264	6.4958	<NA>	S
## 204	45.50	0	0	2628	7.2250	<NA>	C
## 207	32.00	1	0	3101278	15.8500	<NA>	S
## 211	24.00	0	0	SOTON/O.Q. 3101311	7.0500	<NA>	S
## 213	22.00	0	0	A/5 21174	7.2500	<NA>	S
## 214	30.00	0	0	250646	13.0000	<NA>	S
## 215	NA	1	0	367229	7.7500	<NA>	Q
## 218	42.00	1	0	243847	27.0000	<NA>	S
## 220	30.00	0	0	W/C 14208	10.5000	<NA>	S
## 222	27.00	0	0	220367	13.0000	<NA>	S
## 223	51.00	0	0	21440	8.0500	<NA>	S
## 224	NA	0	0	349234	7.8958	<NA>	S
## 226	22.00	0	0	PP 4348	9.3500	<NA>	S
## 228	20.50	0	0	A/5 21173	7.2500	<NA>	S
## 229	18.00	0	0	236171	13.0000	<NA>	S

## 230	NA	3	1	4133	25.4667	<NA>	S
## 232	29.00	0	0	347067	7.7750	<NA>	S
## 233	59.00	0	0	237442	13.5000	<NA>	S
## 235	24.00	0	0	C.A. 29566	10.5000	<NA>	S
## 236	NA	0	0	W./C. 6609	7.5500	<NA>	S
## 237	44.00	1	0	26707	26.0000	<NA>	S
## 239	19.00	0	0	28665	10.5000	<NA>	S
## 241	NA	1	0	2665	14.4542	<NA>	C
## 243	29.00	0	0	W./C. 14263	10.5000	<NA>	S
## 244	22.00	0	0	STON/O 2. 3101275	7.1250	<NA>	S
## 245	30.00	0	0	2694	7.2250	<NA>	C
## 246	44.00	2	0	19928	90.0000	C78	Q
## 250	54.00	1	0	244252	26.0000	<NA>	S
## 253	62.00	0	0	113514	26.5500	C87	S
## 255	41.00	0	2	370129	20.2125	<NA>	S
## 261	NA	0	0	384461	7.7500	<NA>	Q
## 264	40.00	0	0	112059	0.0000	B94	S
## 265	NA	0	0	382649	7.7500	<NA>	Q
## 266	36.00	0	0	C.A. 17248	10.5000	<NA>	S
## 267	16.00	4	1	3101295	39.6875	<NA>	S
## 271	NA	0	0	113798	31.0000	<NA>	S
## 274	37.00	0	1	PC 17596	29.7000	C118	C
## 277	45.00	0	0	347073	7.7500	<NA>	S
## 278	NA	0	0	239853	0.0000	<NA>	S
## 279	7.00	4	1	382652	29.1250	<NA>	Q
## 281	65.00	0	0	336439	7.7500	<NA>	Q
## 283	16.00	0	0	345778	9.5000	<NA>	S
## 285	NA	0	0	113056	26.0000	A19	S
## 286	33.00	0	0	349239	8.6625	<NA>	C
## 288	22.00	0	0	349206	7.8958	<NA>	S
## 293	36.00	0	0	SC/Paris 2163	12.8750	D	C
## 294	24.00	0	0	349236	8.8500	<NA>	S
## 296	NA	0	0	PC 17612	27.7208	<NA>	C
## 297	23.50	0	0	2693	7.2292	<NA>	C
## 298	2.00	1	2	113781	151.5500	C22 C26	S
## 305	NA	0	0	A/5 2466	8.0500	<NA>	S
## 313	26.00	1	1	250651	26.0000	<NA>	S
## 314	28.00	0	0	349243	7.8958	<NA>	S
## 315	43.00	1	1	F.C.C. 13529	26.2500	<NA>	S
## 318	54.00	0	0	29011	14.0000	<NA>	S
## 321	22.00	0	0	A/5 21172	7.2500	<NA>	S
## 322	27.00	0	0	349219	7.8958	<NA>	S
## 325	NA	8	2	CA. 2343	69.5500	<NA>	S
## 333	38.00	0	1	PC 17582	153.4625	C91	S
## 336	NA	0	0	349225	7.8958	<NA>	S
## 337	29.00	1	0	113776	66.6000	C2	S
## 340	45.00	0	0	113784	35.5000	T	S
## 344	25.00	0	0	244361	13.0000	<NA>	S
## 345	36.00	0	0	229236	13.0000	<NA>	S
## 351	23.00	0	0	7267	9.2250	<NA>	S
## 352	NA	0	0	113510	35.0000	C128	S
## 353	15.00	1	1	2695	7.2292	<NA>	C
## 356	28.00	0	0	345783	9.5000	<NA>	S
## 358	38.00	0	0	237671	13.0000	<NA>	S

## 363	45.00	0	1	2691	14.4542	<NA>	C
## 364	35.00	0	0	SOTON/O.Q. 3101310	7.0500	<NA>	S
## 365	NA	1	0	370365	15.5000	<NA>	Q
## 366	30.00	0	0	C 7076	7.2500	<NA>	S
## 372	18.00	1	0	3101267	6.4958	<NA>	S
## 374	22.00	0	0	PC 17760	135.6333	<NA>	C
## 375	3.00	3	1	349909	21.0750	<NA>	S
## 378	27.00	0	2	113503	211.5000	C82	C
## 383	32.00	0	0	STON/O 2. 3101293	7.9250	<NA>	S
## 385	NA	0	0	349227	7.8958	<NA>	S
## 386	18.00	0	0	S.O.C. 14879	73.5000	<NA>	S
## 387	1.00	5	2	CA 2144	46.9000	<NA>	S
## 389	NA	0	0	367655	7.7292	<NA>	Q
## 393	28.00	2	0	3101277	7.9250	<NA>	S
## 397	31.00	0	0	350407	7.8542	<NA>	S
## 399	23.00	0	0	244278	10.5000	<NA>	S
## 403	21.00	1	0	4137	9.8250	<NA>	S
## 405	20.00	0	0	315096	8.6625	<NA>	S
## 406	34.00	1	0	28664	21.0000	<NA>	S
## 407	51.00	0	0	347064	7.7500	<NA>	S
## 409	21.00	0	0	312992	7.7750	<NA>	S
## 410	NA	3	1	4133	25.4667	<NA>	S
## 412	NA	0	0	394140	6.8583	<NA>	Q
## 414	NA	0	0	239853	0.0000	<NA>	S
## 416	NA	0	0	343095	8.0500	<NA>	S
## 419	30.00	0	0	28228	13.0000	<NA>	S
## 420	10.00	0	2	345773	24.1500	<NA>	S
## 421	NA	0	0	349254	7.8958	<NA>	C
## 422	21.00	0	0	A/5. 13032	7.7333	<NA>	Q
## 423	29.00	0	0	315082	7.8750	<NA>	S
## 424	28.00	1	1	347080	14.4000	<NA>	S
## 425	18.00	1	1	370129	20.2125	<NA>	S
## 426	NA	0	0	A/4. 34244	7.2500	<NA>	S
## 429	NA	0	0	364851	7.7500	<NA>	Q
## 435	50.00	1	0	13507	55.9000	E44	S
## 439	64.00	1	4	19950	263.0000	C23 C25 C27	S
## 440	31.00	0	0	C.A. 18723	10.5000	<NA>	S
## 451	36.00	1	2	C.A. 34651	27.7500	<NA>	S
## 452	NA	1	0	65303	19.9667	<NA>	S
## 453	30.00	0	0	113051	27.7500	C111	C
## 455	NA	0	0	A/5 2817	8.0500	<NA>	S
## 457	65.00	0	0	13509	26.5500	E38	S
## 460	NA	0	0	371060	7.7500	<NA>	Q
## 462	34.00	0	0	364506	8.0500	<NA>	S
## 463	47.00	0	0	111320	38.5000	E63	S
## 464	48.00	0	0	234360	13.0000	<NA>	S
## 466	38.00	0	0	SOTON/O.Q. 3101306	7.0500	<NA>	S
## 467	NA	0	0	239853	0.0000	<NA>	S
## 468	56.00	0	0	113792	26.5500	<NA>	S
## 469	NA	0	0	36209	7.7250	<NA>	Q
## 471	NA	0	0	323592	7.2500	<NA>	S
## 472	38.00	0	0	315089	8.6625	<NA>	S
## 475	22.00	0	0	7553	9.8375	<NA>	S
## 476	NA	0	0	110465	52.0000	A14	S

## 477	34.00	1	0	31027	21.0000	<NA>	S
## 478	29.00	1	0	3460	7.0458	<NA>	S
## 479	22.00	0	0	350060	7.5208	<NA>	S
## 481	9.00	5	2	CA 2144	46.9000	<NA>	S
## 482	NA	0	0	239854	0.0000	<NA>	S
## 486	NA	3	1	4133	25.4667	<NA>	S
## 489	30.00	0	0	A.5. 18509	8.0500	<NA>	S
## 491	NA	1	0	65304	19.9667	<NA>	S
## 493	55.00	0	0	113787	30.5000	C30	S
## 494	71.00	0	0	PC 17609	49.5042	<NA>	C
## 495	21.00	0	0	A/4 45380	8.0500	<NA>	S
## 496	NA	0	0	2627	14.4583	<NA>	C
## 498	NA	0	0	C.A. 6212	15.1000	<NA>	S
## 499	25.00	1	2	113781	151.5500	C22 C26	S
## 503	NA	0	0	330909	7.6292	<NA>	Q
## 504	37.00	0	0	4135	9.5875	<NA>	S
## 506	18.00	1	0	PC 17758	108.9000	C65	C
## 509	28.00	0	0	C 4001	22.5250	<NA>	S
## 512	NA	0	0	SOTON/OQ 3101316	8.0500	<NA>	S
## 515	24.00	0	0	349209	7.4958	<NA>	S
## 516	47.00	0	0	36967	34.0208	D46	S
## 518	NA	0	0	371110	24.1500	<NA>	Q
## 520	32.00	0	0	349242	7.8958	<NA>	S
## 523	NA	0	0	2624	7.2250	<NA>	C
## 525	NA	0	0	2700	7.2292	<NA>	C
## 526	40.50	0	0	367232	7.7500	<NA>	Q
## 528	NA	0	0	PC 17483	221.7792	C95	S
## 529	39.00	0	0	3101296	7.9250	<NA>	S
## 530	23.00	2	1	29104	11.5000	<NA>	S
## 532	NA	0	0	2641	7.2292	<NA>	C
## 533	17.00	1	1	2690	7.2292	<NA>	C
## 535	30.00	0	0	315084	8.6625	<NA>	S
## 537	45.00	0	0	113050	26.5500	B38	S
## 539	NA	0	0	364498	14.5000	<NA>	S
## 542	9.00	4	2	347082	31.2750	<NA>	S
## 543	11.00	4	2	347082	31.2750	<NA>	S
## 545	50.00	1	0	PC 17761	106.4250	C86	C
## 546	64.00	0	0	693	26.0000	<NA>	S
## 549	33.00	1	1	363291	20.5250	<NA>	S
## 552	27.00	0	0	244358	26.0000	<NA>	S
## 553	NA	0	0	330979	7.8292	<NA>	Q
## 558	NA	0	0	PC 17757	227.5250	<NA>	C
## 561	NA	0	0	372622	7.7500	<NA>	Q
## 563	28.00	0	0	218629	13.5000	<NA>	S
## 564	NA	0	0	SOTON/OQ 392082	8.0500	<NA>	S
## 565	NA	0	0	SOTON/O.Q. 392087	8.0500	<NA>	S
## 566	24.00	2	0	A/4 48871	24.1500	<NA>	S
## 567	19.00	0	0	349205	7.8958	<NA>	S
## 569	NA	0	0	2686	7.2292	<NA>	C
## 575	16.00	0	0	A/4. 20589	8.0500	<NA>	S
## 579	NA	1	0	2689	14.4583	<NA>	C
## 583	54.00	0	0	28403	26.0000	<NA>	S
## 584	36.00	0	0	13049	40.1250	A10	C
## 587	47.00	0	0	237565	15.0000	<NA>	S

## 590	NA	0	0	A./5. 3235	8.0500	<NA>	S
## 591	35.00	0	0	STON/O 2. 3101273	7.1250	<NA>	S
## 594	NA	0	2	364848	7.7500	<NA>	Q
## 595	37.00	1	0	SC/AH 29037	26.0000	<NA>	S
## 596	36.00	1	1	345773	24.1500	<NA>	S
## 599	NA	0	0	2664	7.2250	<NA>	C
## 602	NA	0	0	349214	7.8958	<NA>	S
## 603	NA	0	0	113796	42.4000	<NA>	S
## 606	36.00	1	0	349910	15.5500	<NA>	S
## 607	30.00	0	0	349246	7.8958	<NA>	S
## 611	39.00	1	5	347082	31.2750	<NA>	S
## 612	NA	0	0	SOTON/O.Q. 3101305	7.0500	<NA>	S
## 615	35.00	0	0	364512	8.0500	<NA>	S
## 618	26.00	1	0	A/5. 3336	16.1000	<NA>	S
## 620	26.00	0	0	31028	10.5000	<NA>	S
## 621	27.00	1	0	2659	14.4542	<NA>	C
## 625	21.00	0	0	54636	16.1000	<NA>	S
## 626	61.00	0	0	36963	32.3208	D50	S
## 627	57.00	0	0	219533	12.3500	<NA>	Q
## 629	26.00	0	0	349224	7.8958	<NA>	S
## 630	NA	0	0	334912	7.7333	<NA>	Q
## 632	51.00	0	0	347743	7.0542	<NA>	S
## 635	9.00	3	2	347088	27.9000	<NA>	S
## 638	31.00	1	1	C.A. 31921	26.2500	<NA>	S
## 639	41.00	0	5	3101295	39.6875	<NA>	S
## 640	NA	1	0	376564	16.1000	<NA>	S
## 641	20.00	0	0	350050	7.8542	<NA>	S
## 643	2.00	3	2	347088	27.9000	<NA>	S
## 647	19.00	0	0	349231	7.8958	<NA>	S
## 649	NA	0	0	S.O./P.P. 751	7.5500	<NA>	S
## 651	NA	0	0	349221	7.8958	<NA>	S
## 653	21.00	0	0	8475	8.4333	<NA>	S
## 655	18.00	0	0	365226	6.7500	<NA>	Q
## 656	24.00	2	0	S.O.C. 14879	73.5000	<NA>	S
## 657	NA	0	0	349223	7.8958	<NA>	S
## 658	32.00	1	1	364849	15.5000	<NA>	Q
## 659	23.00	0	0	29751	13.0000	<NA>	S
## 660	58.00	0	2	35273	113.2750	D48	C
## 662	40.00	0	0	2623	7.2250	<NA>	C
## 664	36.00	0	0	349210	7.4958	<NA>	S
## 666	32.00	2	0	S.O.C. 14879	73.5000	<NA>	S
## 667	25.00	0	0	234686	13.0000	<NA>	S
## 668	NA	0	0	312993	7.7750	<NA>	S
## 669	43.00	0	0	A/5 3536	8.0500	<NA>	S
## 673	70.00	0	0	C.A. 24580	10.5000	<NA>	S
## 675	NA	0	0	239856	0.0000	<NA>	S
## 676	18.00	0	0	349912	7.7750	<NA>	S
## 677	24.50	0	0	342826	8.0500	<NA>	S
## 681	NA	0	0	330935	8.1375	<NA>	Q
## 683	20.00	0	0	6563	9.2250	<NA>	S
## 684	14.00	5	2	CA 2144	46.9000	<NA>	S
## 685	60.00	1	1	29750	39.0000	<NA>	S
## 686	25.00	1	2	SC/Paris 2123	41.5792	<NA>	C
## 687	14.00	4	1	3101295	39.6875	<NA>	S

## 688	19.00	0	0	349228	10.1708	<NA>	S
## 689	18.00	0	0	350036	7.7958	<NA>	S
## 694	25.00	0	0	2672	7.2250	<NA>	C
## 695	60.00	0	0	113800	26.5500	<NA>	S
## 697	44.00	0	0	363592	8.0500	<NA>	S
## 699	49.00	1	1	17421	110.8833	C68	C
## 700	42.00	0	0	348121	7.6500	F G63	S
## 703	18.00	0	1	2691	14.4542	<NA>	C
## 704	25.00	0	0	36864	7.7417	<NA>	Q
## 705	26.00	1	0	350025	7.8542	<NA>	S
## 712	NA	0	0	113028	26.5500	C124	S
## 714	29.00	0	0	7545	9.4833	<NA>	S
## 715	52.00	0	0	250647	13.0000	<NA>	S
## 716	19.00	0	0	348124	7.6500	F G73	S
## 720	33.00	0	0	347062	7.7750	<NA>	S
## 723	34.00	0	0	12233	13.0000	<NA>	S
## 724	50.00	0	0	250643	13.0000	<NA>	S
## 726	20.00	0	0	315094	8.6625	<NA>	S
## 730	25.00	1	0	STON/O2. 3101271	7.9250	<NA>	S
## 732	11.00	0	0	2699	18.7875	<NA>	C
## 733	NA	0	0	239855	0.0000	<NA>	S
## 734	23.00	0	0	28425	13.0000	<NA>	S
## 735	23.00	0	0	233639	13.0000	<NA>	S
## 736	28.50	0	0	54636	16.1000	<NA>	S
## 739	NA	0	0	349201	7.8958	<NA>	S
## 740	NA	0	0	349218	7.8958	<NA>	S
## 742	36.00	1	0	19877	78.8500	C46	S
## 744	24.00	1	0	376566	16.1000	<NA>	S
## 746	70.00	1	1	WE/P 5735	71.0000	B22	S
## 747	16.00	1	1	C.A. 2673	20.2500	<NA>	S
## 749	19.00	1	0	113773	53.1000	D30	S
## 750	31.00	0	0	335097	7.7500	<NA>	Q
## 753	33.00	0	0	345780	9.5000	<NA>	S
## 754	23.00	0	0	349204	7.8958	<NA>	S
## 758	18.00	0	0	29108	11.5000	<NA>	S
## 759	34.00	0	0	363294	8.0500	<NA>	S
## 761	NA	0	0	358585	14.5000	<NA>	S
## 762	41.00	0	0	SOTON/O2 3101272	7.1250	<NA>	S
## 765	16.00	0	0	347074	7.7750	<NA>	S
## 767	NA	0	0	112379	39.6000	<NA>	C
## 768	30.50	0	0	364850	7.7500	<NA>	Q
## 769	NA	1	0	371110	24.1500	<NA>	Q
## 770	32.00	0	0	8471	8.3625	<NA>	S
## 771	24.00	0	0	345781	9.5000	<NA>	S
## 772	48.00	0	0	350047	7.8542	<NA>	S
## 773	57.00	0	0	S.O./P.P. 3	10.5000	E77	S
## 774	NA	0	0	2674	7.2250	<NA>	C
## 777	NA	0	0	383121	7.7500	F38	Q
## 779	NA	0	0	36865	7.7375	<NA>	Q
## 783	29.00	0	0	113501	30.0000	D6	S
## 785	25.00	0	0	SOTON/O.Q. 3101312	7.0500	<NA>	S
## 786	25.00	0	0	374887	7.2500	<NA>	S
## 788	8.00	4	1	382652	29.1250	<NA>	Q
## 790	46.00	0	0	PC 17593	79.2000	B82 B84	C

## 791	NA	0	0	12460	7.7500	<NA>	Q
## 792	16.00	0	0	239865	26.0000	<NA>	S
## 793	NA	8	2	CA. 2343	69.5500	<NA>	S
## 794	NA	0	0	PC 17600	30.6958	<NA>	C
## 796	39.00	0	0	28213	13.0000	<NA>	S
## 800	30.00	1	1	345773	24.1500	<NA>	S
## 801	34.00	0	0	250647	13.0000	<NA>	S
## 807	39.00	0	0	112050	0.0000	A36	S
## 808	18.00	0	0	347087	7.7750	<NA>	S
## 809	39.00	0	0	248723	13.0000	<NA>	S
## 811	26.00	0	0	3474	7.8875	<NA>	S
## 812	39.00	0	0	A/4 48871	24.1500	<NA>	S
## 814	6.00	4	2	347082	31.2750	<NA>	S
## 815	30.50	0	0	364499	8.0500	<NA>	S
## 816	NA	0	0	112058	0.0000	B102	S
## 817	23.00	0	0	STON/O2. 3101290	7.9250	<NA>	S
## 818	31.00	1	1	S.C./PARIS 2079	37.0042	<NA>	C
## 819	43.00	0	0	C 7075	6.4500	<NA>	S
## 823	38.00	0	0	19972	0.0000	<NA>	S
## 825	2.00	4	1	3101295	39.6875	<NA>	S
## 827	NA	0	0	1601	56.4958	<NA>	S
## 833	NA	0	0	2671	7.2292	<NA>	C
## 834	23.00	0	0	347468	7.8542	<NA>	S
## 835	18.00	0	0	2223	8.3000	<NA>	S
## 837	21.00	0	0	315097	8.6625	<NA>	S
## 838	NA	0	0	392092	8.0500	<NA>	S
## 841	20.00	0	0	SOTON/O2 3101287	7.9250	<NA>	S
## 844	34.50	0	0	2683	6.4375	<NA>	C
## 845	17.00	0	0	315090	8.6625	<NA>	S
## 846	42.00	0	0	C.A. 5547	7.5500	<NA>	S
## 847	NA	8	2	CA. 2343	69.5500	<NA>	S
## 848	35.00	0	0	349213	7.8958	<NA>	C
## 849	28.00	0	1	248727	33.0000	<NA>	S
## 851	4.00	4	2	347082	31.2750	<NA>	S
## 852	74.00	0	0	347060	7.7750	<NA>	S
## 855	44.00	1	0	244252	26.0000	<NA>	S
## 860	NA	0	0	2629	7.2292	<NA>	C
## 862	21.00	1	0	28134	11.5000	<NA>	S
## 864	NA	8	2	CA. 2343	69.5500	<NA>	S
## 865	24.00	0	0	233866	13.0000	<NA>	S
## 868	31.00	0	0	PC 17590	50.4958	A24	S
## 869	NA	0	0	345777	9.5000	<NA>	S
## 873	33.00	0	0	695	5.0000	B51 B53 B55	S
## 874	47.00	0	0	345765	9.0000	<NA>	S
## 877	20.00	0	0	7534	9.8458	<NA>	S
## 878	19.00	0	0	349212	7.8958	<NA>	S
## 882	33.00	0	0	349257	7.8958	<NA>	S
## 883	22.00	0	0	7552	10.5167	<NA>	S
## 884	28.00	0	0	C.A./SOTON 34068	10.5000	<NA>	S
## 885	25.00	0	0	SOTON/OQ 392076	7.0500	<NA>	S
## 886	39.00	0	5	382652	29.1250	<NA>	Q
## 887	27.00	0	0	211536	13.0000	<NA>	S
## 889	NA	1	2	W./C. 6607	23.4500	<NA>	S
## 891	32.00	0	0	370376	7.7500	<NA>	Q

## 2	38.00	1	0	PC 17599	71.2833	C85	C
## 3	26.00	0	0	STON/O2. 3101282	7.9250	<NA>	S
## 9	27.00	0	2	347742	11.1333	<NA>	S
## 11	4.00	1	1	PP 9549	16.7000	G6	S
## 16	55.00	0	0	248706	16.0000	<NA>	S
## 20	NA	0	0	2649	7.2250	<NA>	C
## 22	34.00	0	0	248698	13.0000	D56	S
## 23	15.00	0	0	330923	8.0292	<NA>	Q
## 24	28.00	0	0	113788	35.5000	A6	S
## 26	38.00	1	5	347077	31.3875	<NA>	S
## 29	NA	0	0	330959	7.8792	<NA>	Q
## 32	NA	1	0	PC 17569	146.5208	B78	C
## 33	NA	0	0	335677	7.7500	<NA>	Q
## 37	NA	0	0	2677	7.2292	<NA>	C
## 45	19.00	0	0	330958	7.8792	<NA>	Q
## 56	NA	0	0	19947	35.5000	C52	S
## 57	21.00	0	0	C.A. 31026	10.5000	<NA>	S
## 59	5.00	1	2	C.A. 34651	27.7500	<NA>	S
## 62	38.00	0	0	113572	80.0000	B28	<NA>
## 66	NA	1	1	2661	15.2458	<NA>	C
## 67	29.00	0	0	C.A. 29395	10.5000	F33	S
## 69	17.00	4	2	3101281	7.9250	<NA>	S
## 75	32.00	0	0	1601	56.4958	<NA>	S
## 79	0.83	0	2	248738	29.0000	<NA>	S
## 80	30.00	0	0	364516	12.4750	<NA>	S
## 83	NA	0	0	330932	7.7875	<NA>	Q
## 85	17.00	0	0	SO/C 14885	10.5000	<NA>	S
## 86	33.00	3	0	3101278	15.8500	<NA>	S
## 89	23.00	3	2	19950	263.0000	C23 C25 C27	S
## 98	23.00	0	1	PC 17759	63.3583	D10 D12	C
## 99	34.00	0	1	231919	23.0000	<NA>	S
## 107	21.00	0	0	343120	7.6500	<NA>	S
## 108	NA	0	0	312991	7.7750	<NA>	S
## 110	NA	1	0	371110	24.1500	<NA>	Q
## 124	32.50	0	0	27267	13.0000	E101	S
## 126	12.00	1	0	2651	11.2417	<NA>	C
## 128	24.00	0	0	C 17369	7.1417	<NA>	S
## 129	NA	1	1	2668	22.3583	F E69	C
## 137	19.00	0	2	11752	26.2833	D47	S
## 142	22.00	0	0	347081	7.7500	<NA>	S
## 143	24.00	1	0	STON/O2. 3101279	15.8500	<NA>	S
## 147	27.00	0	0	350043	7.7958	<NA>	S
## 162	40.00	0	0	C.A. 33595	15.7500	<NA>	S
## 167	NA	0	1	113505	55.0000	E33	S
## 173	1.00	1	1	347742	11.1333	<NA>	S
## 184	1.00	2	1	230136	39.0000	F4	S
## 188	45.00	0	0	111428	26.5500	<NA>	S
## 191	32.00	0	0	234604	13.0000	<NA>	S
## 193	19.00	1	0	350046	7.8542	<NA>	S
## 194	3.00	1	1	230080	26.0000	F2	S
## 195	44.00	0	0	PC 17610	27.7208	B4	C
## 205	18.00	0	0	A/5 3540	8.0500	<NA>	S
## 208	26.00	0	0	2699	18.7875	<NA>	C
## 209	16.00	0	0	367231	7.7500	<NA>	Q

## 210	40.00	0	0	112277	31.0000	A31	C
## 212	35.00	0	0	F.C.C. 13528	21.0000	<NA>	S
## 216	31.00	1	0	35273	113.2750	D36	C
## 217	27.00	0	0	STON/O2. 3101283	7.9250	<NA>	S
## 219	32.00	0	0	11813	76.2917	D15	C
## 221	16.00	0	0	SOTON/OQ 392089	8.0500	<NA>	S
## 225	38.00	1	0	19943	90.0000	C93	S
## 227	19.00	0	0	SW/PP 751	10.5000	<NA>	S
## 231	35.00	1	0	36973	83.4750	C83	S
## 234	5.00	4	2	347077	31.3875	<NA>	S
## 238	8.00	0	2	C.A. 31921	26.2500	<NA>	S
## 242	NA	1	0	367230	15.5000	<NA>	Q
## 248	24.00	0	2	250649	14.5000	<NA>	S
## 249	37.00	1	1	11751	52.5542	D35	S
## 257	NA	0	0	PC 17585	79.2000	<NA>	C
## 259	35.00	0	0	PC 17755	512.3292	<NA>	C
## 260	50.00	0	1	230433	26.0000	<NA>	S
## 262	3.00	4	2	347077	31.3875	<NA>	S
## 268	25.00	1	0	347083	7.7750	<NA>	S
## 270	35.00	0	0	PC 17760	135.6333	C99	S
## 273	41.00	0	1	250644	19.5000	<NA>	S
## 276	63.00	1	0	13502	77.9583	D7	S
## 280	35.00	1	1	C.A. 2673	20.2500	<NA>	S
## 287	30.00	0	0	345774	9.5000	<NA>	S
## 289	42.00	0	0	237798	13.0000	<NA>	S
## 291	26.00	0	0	19877	78.8500	<NA>	S
## 292	19.00	1	0	11967	91.0792	B49	C
## 299	NA	0	0	19988	30.5000	C106	S
## 300	50.00	0	1	PC 17558	247.5208	B58 B60	C
## 301	NA	0	0	9234	7.7500	<NA>	Q
## 302	NA	2	0	367226	23.2500	<NA>	Q
## 304	NA	0	0	226593	12.3500	E101	Q
## 306	0.92	1	2	113781	151.5500	C22 C26	S
## 307	NA	0	0	17421	110.8833	<NA>	C
## 312	18.00	2	2	PC 17608	262.3750	B57 B59 B63 B66	C
## 316	26.00	0	0	347470	7.8542	<NA>	S
## 319	31.00	0	2	36928	164.8667	C7	S
## 323	30.00	0	0	234818	12.3500	<NA>	Q
## 324	22.00	1	1	248738	29.0000	<NA>	S
## 326	36.00	0	0	PC 17760	135.6333	C32	C
## 328	36.00	0	0	28551	13.0000	D	S
## 329	31.00	1	1	363291	20.5250	<NA>	S
## 330	16.00	0	1	111361	57.9792	B18	C
## 335	NA	1	0	PC 17611	133.6500	<NA>	S
## 338	41.00	0	0	16966	134.5000	E40	C
## 339	45.00	0	0	7598	8.0500	<NA>	S
## 341	2.00	1	1	230080	26.0000	F2	S
## 342	24.00	3	2	19950	263.0000	C23 C25 C27	S
## 347	40.00	0	0	31418	13.0000	<NA>	S
## 348	NA	1	0	386525	16.1000	<NA>	S
## 349	3.00	1	1	C.A. 37671	15.9000	<NA>	S
## 359	NA	0	0	330931	7.8792	<NA>	Q
## 360	NA	0	0	330980	7.8792	<NA>	Q
## 367	60.00	1	0	110813	75.2500	D37	C

## 369	NA	0	0	14313	7.7500	<NA>	Q
## 370	24.00	0	0	PC 17477	69.3000	B35	C
## 371	25.00	1	0	11765	55.4417	E50	C
## 376	NA	1	0	PC 17604	82.1708	<NA>	C
## 377	22.00	0	0	C 7077	7.2500	<NA>	S
## 381	42.00	0	0	PC 17757	227.5250	<NA>	C
## 382	1.00	0	2	2653	15.7417	<NA>	C
## 384	35.00	1	0	113789	52.0000	<NA>	S
## 388	36.00	0	0	27849	13.0000	<NA>	S
## 390	17.00	0	0	SC 1748	12.0000	<NA>	C
## 392	21.00	0	0	350034	7.7958	<NA>	S
## 394	23.00	1	0	35273	113.2750	D36	C
## 395	24.00	0	2	PP 9549	16.7000	G6	S
## 400	28.00	0	0	240929	12.6500	<NA>	S
## 401	39.00	0	0	STON/O 2. 3101289	7.9250	<NA>	S
## 408	3.00	1	1	29106	18.7500	<NA>	S
## 413	33.00	1	0	19928	90.0000	C78	Q
## 415	44.00	0	0	STON/O 2. 3101269	7.9250	<NA>	S
## 417	34.00	1	1	28220	32.5000	<NA>	S
## 418	18.00	0	2	250652	13.0000	<NA>	S
## 427	28.00	1	0	2003	26.0000	<NA>	S
## 430	32.00	0	0	SOTON/O.Q. 392078	8.0500	E10	S
## 431	28.00	0	0	110564	26.5500	C52	S
## 432	NA	1	0	376564	16.1000	<NA>	S
## 433	42.00	1	0	SC/AH 3085	26.0000	<NA>	S
## 436	14.00	1	2	113760	120.0000	B96 B98	S
## 438	24.00	2	3	29106	18.7500	<NA>	S
## 441	45.00	1	1	F.C.C. 13529	26.2500	<NA>	S
## 444	28.00	0	0	230434	13.0000	<NA>	S
## 445	NA	0	0	65306	8.1125	<NA>	S
## 446	4.00	0	2	33638	81.8583	A34	S
## 448	34.00	0	0	113794	26.5500	<NA>	S
## 449	5.00	2	1	2666	19.2583	<NA>	C
## 450	52.00	0	0	113786	30.5000	C104	S
## 454	49.00	1	0	17453	89.1042	C92	C
## 456	29.00	0	0	349240	7.8958	<NA>	C
## 461	48.00	0	0	19952	26.5500	E12	S
## 470	0.75	2	1	2666	19.2583	<NA>	C
## 473	33.00	1	2	C.A. 34651	27.7500	<NA>	S
## 474	23.00	0	0	SC/AH Basle 541	13.7917	D	C
## 484	63.00	0	0	4134	9.5875	<NA>	S
## 485	25.00	1	0	11967	91.0792	B49	C
## 497	54.00	1	0	36947	78.2667	D20	C
## 505	16.00	0	0	110152	86.5000	B79	S
## 507	33.00	0	2	26360	26.0000	<NA>	S
## 510	26.00	0	0	1601	56.4958	<NA>	S
## 511	29.00	0	0	382651	7.7500	<NA>	Q
## 513	36.00	0	0	PC 17473	26.2875	E25	S
## 514	54.00	1	0	PC 17603	59.4000	<NA>	C
## 517	34.00	0	0	C.A. 34260	10.5000	F33	S
## 519	36.00	1	0	226875	26.0000	<NA>	S
## 524	44.00	0	1	111361	57.9792	B18	C
## 527	50.00	0	0	W./C. 14258	10.5000	<NA>	S
## 531	2.00	1	1	26360	26.0000	<NA>	S

## 534	NA	0	2	2668	22.3583	<NA>	C
## 538	30.00	0	0	PC 17761	106.4250	<NA>	C
## 540	22.00	0	2	13568	49.5000	B39	C
## 544	32.00	1	0	2908	26.0000	<NA>	S
## 548	NA	0	0	SC/PARIS 2146	13.8625	<NA>	C
## 550	8.00	1	1	C.A. 33112	36.7500	<NA>	S
## 551	17.00	0	2	17421	110.8833	C70	C
## 554	22.00	0	0	2620	7.2250	<NA>	C
## 555	22.00	0	0	347085	7.7750	<NA>	S
## 557	48.00	1	0	11755	39.6000	A16	C
## 559	39.00	1	1	110413	79.6500	E67	S
## 560	36.00	1	0	345572	17.4000	<NA>	S
## 571	62.00	0	0	S.W./PP 752	10.5000	<NA>	S
## 572	53.00	2	0	11769	51.4792	C101	S
## 574	NA	0	0	14312	7.7500	<NA>	Q
## 577	34.00	0	0	243880	13.0000	<NA>	S
## 578	39.00	1	0	13507	55.9000	E44	S
## 580	32.00	0	0	STON/O 2. 3101286	7.9250	<NA>	S
## 581	25.00	1	1	237789	30.0000	<NA>	S
## 582	39.00	1	1	17421	110.8833	C68	C
## 586	18.00	0	2	110413	79.6500	E68	S
## 588	60.00	1	1	13567	79.2000	B41	C
## 592	52.00	1	0	36947	78.2667	D20	C
## 597	NA	0	0	248727	33.0000	<NA>	S
## 601	24.00	2	1	243847	27.0000	<NA>	S
## 605	35.00	0	0	111426	26.5500	<NA>	C
## 609	22.00	1	2	SC/Paris 2123	41.5792	<NA>	C
## 610	40.00	0	0	PC 17582	153.4625	C125	S
## 613	NA	1	0	367230	15.5000	<NA>	Q
## 616	24.00	1	2	220845	65.0000	<NA>	S
## 619	4.00	2	1	230136	39.0000	F4	S
## 622	42.00	1	0	11753	52.5542	D19	S
## 623	20.00	1	1	2653	15.7417	<NA>	C
## 628	21.00	0	0	13502	77.9583	D9	S
## 631	80.00	0	0	27042	30.0000	A23	S
## 633	32.00	0	0	13214	30.5000	B50	C
## 642	24.00	0	0	PC 17477	69.3000	B35	C
## 644	NA	0	0	1601	56.4958	<NA>	S
## 646	48.00	1	0	PC 17572	76.7292	D33	C
## 648	56.00	0	0	13213	35.5000	A26	C
## 650	23.00	0	0	CA. 2314	7.5500	<NA>	S
## 652	18.00	0	1	231919	23.0000	<NA>	S
## 654	NA	0	0	330919	7.8292	<NA>	Q
## 661	50.00	2	0	PC 17611	133.6500	<NA>	S
## 665	20.00	1	0	STON/O 2. 3101285	7.9250	<NA>	S
## 671	40.00	1	1	29750	39.0000	<NA>	S
## 674	31.00	0	0	244270	13.0000	<NA>	S
## 678	18.00	0	0	4138	9.8417	<NA>	S
## 680	36.00	0	1	PC 17755	512.3292	B51 B53 B55	C
## 690	15.00	0	1	24160	211.3375	B5	S
## 691	31.00	1	0	17474	57.0000	B20	S
## 692	4.00	0	1	349256	13.4167	<NA>	C
## 693	NA	0	0	1601	56.4958	<NA>	S
## 698	NA	0	0	35852	7.7333	<NA>	Q

## 702	35.00	0	0	PC 17475	26.2875	E24	S
## 707	45.00	0	0	223596	13.5000	<NA>	S
## 708	42.00	0	0	PC 17476	26.2875	E24	S
## 711	24.00	0	0	PC 17482	49.5042	C90	C
## 713	48.00	1	0	19996	52.0000	C126	S
## 721	6.00	0	1	248727	33.0000	<NA>	S
## 725	27.00	1	0	113806	53.1000	E8	S
## 727	30.00	3	0	31027	21.0000	<NA>	S
## 728	NA	0	0	36866	7.7375	<NA>	Q
## 731	29.00	0	0	24160	211.3375	B5	S
## 738	35.00	0	0	PC 17755	512.3292	B101	C
## 743	21.00	2	2	PC 17608	262.3750	B57 B59 B63 B66	C
## 745	31.00	0	0	STON/O 2. 3101288	7.9250	<NA>	S
## 748	30.00	0	0	250648	13.0000	<NA>	S
## 751	4.00	1	1	29103	23.0000	<NA>	S
## 752	6.00	0	1	392096	12.4750	E121	S
## 755	48.00	1	2	220845	65.0000	<NA>	S
## 756	0.67	1	1	250649	14.5000	<NA>	S
## 760	33.00	0	0	110152	86.5000	B77	S
## 763	20.00	0	0	2663	7.2292	<NA>	C
## 764	36.00	1	2	113760	120.0000	B96 B98	S
## 775	54.00	1	3	29105	23.0000	<NA>	S
## 778	5.00	0	0	364516	12.4750	<NA>	S
## 780	43.00	0	1	24160	211.3375	B3	S
## 782	17.00	1	0	17474	57.0000	B20	S
## 789	1.00	1	2	C.A. 2315	20.5750	<NA>	S
## 797	49.00	0	0	17465	25.9292	D17	S
## 798	31.00	0	0	349244	8.6833	<NA>	S
## 802	31.00	1	1	C.A. 31921	26.2500	<NA>	S
## 803	11.00	1	2	113760	120.0000	B96 B98	S
## 804	0.42	0	1	2625	8.5167	<NA>	C
## 810	33.00	1	0	113806	53.1000	E8	S
## 821	52.00	1	1	12749	93.5000	B69	S
## 822	27.00	0	0	315098	8.6625	<NA>	S
## 824	27.00	0	1	392096	12.4750	E121	S
## 828	1.00	0	2	S.C./PARIS 2079	37.0042	<NA>	C
## 829	NA	0	0	367228	7.7500	<NA>	Q
## 832	0.83	1	1	29106	18.7500	<NA>	S
## 836	39.00	1	1	PC 17756	83.1583	E49	C
## 839	32.00	0	0	1601	56.4958	<NA>	S
## 840	NA	0	0	11774	29.7000	C47	C
## 850	NA	1	0	17453	89.1042	C92	C
## 854	16.00	0	1	PC 17592	39.4000	D28	S
## 856	18.00	0	1	392091	9.3500	<NA>	S
## 857	45.00	1	1	36928	164.8667	<NA>	S
## 858	51.00	0	0	113055	26.5500	E17	S
## 859	24.00	0	3	2666	19.2583	<NA>	C
## 863	48.00	0	0	17466	25.9292	D17	S
## 866	42.00	0	0	236852	13.0000	<NA>	S
## 867	27.00	1	0	SC/PARIS 2149	13.8583	<NA>	C
## 870	4.00	1	1	347742	11.1333	<NA>	S
## 872	47.00	1	1	11751	52.5542	D35	S
## 875	28.00	1	0	P/PP 3381	24.0000	<NA>	C
## 876	15.00	0	0	2667	7.2250	<NA>	C

```
## 880 56.00      0      1          11767 83.1583          C50      C
## 881 25.00      0      1          230433 26.0000          <NA>    S
## 888 19.00      0      0          112053 30.0000          B42      S
```

```
# check for the missing values
sum(is.na(titanic_train))
```

```
## [1] 695
```

```
sum(is.na(titanic_train$age))
```

```
## [1] 146
```

```
sum(is.na(titanic_train$cabin))
```

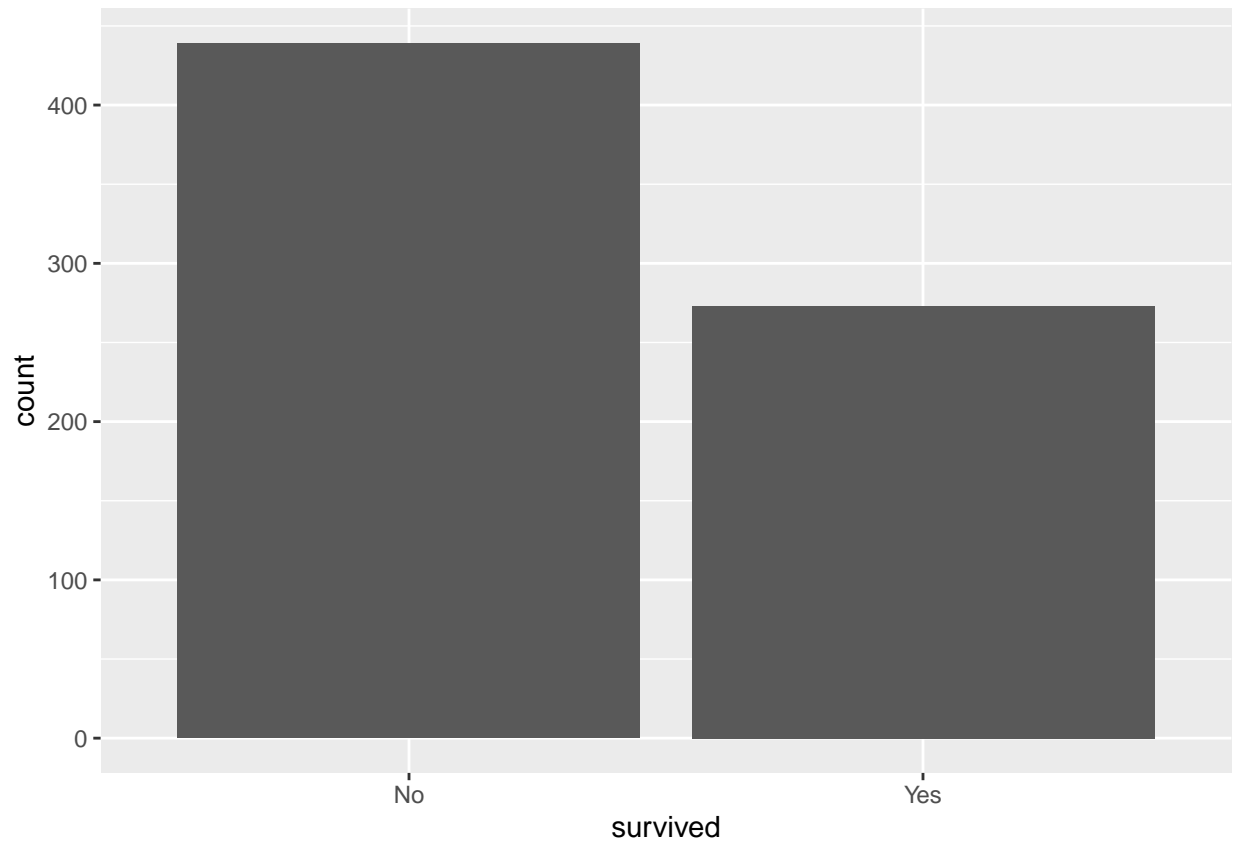
```
## [1] 548
```

So, after splitting the data into train and test. Now train data has 667 rows and testing data has 224 rows. The train data holds the 75% of the whole dataset. The splitting of the dataset could help us try several models in training set and find the best fit value to testing set. For missing value I used `is.na` to check for the missing value of the training set and after digging inside we could see the missing values are about age and cabin.

Question 2

Using the **training** data set, explore/describe the distribution of the outcome variable **survived**.

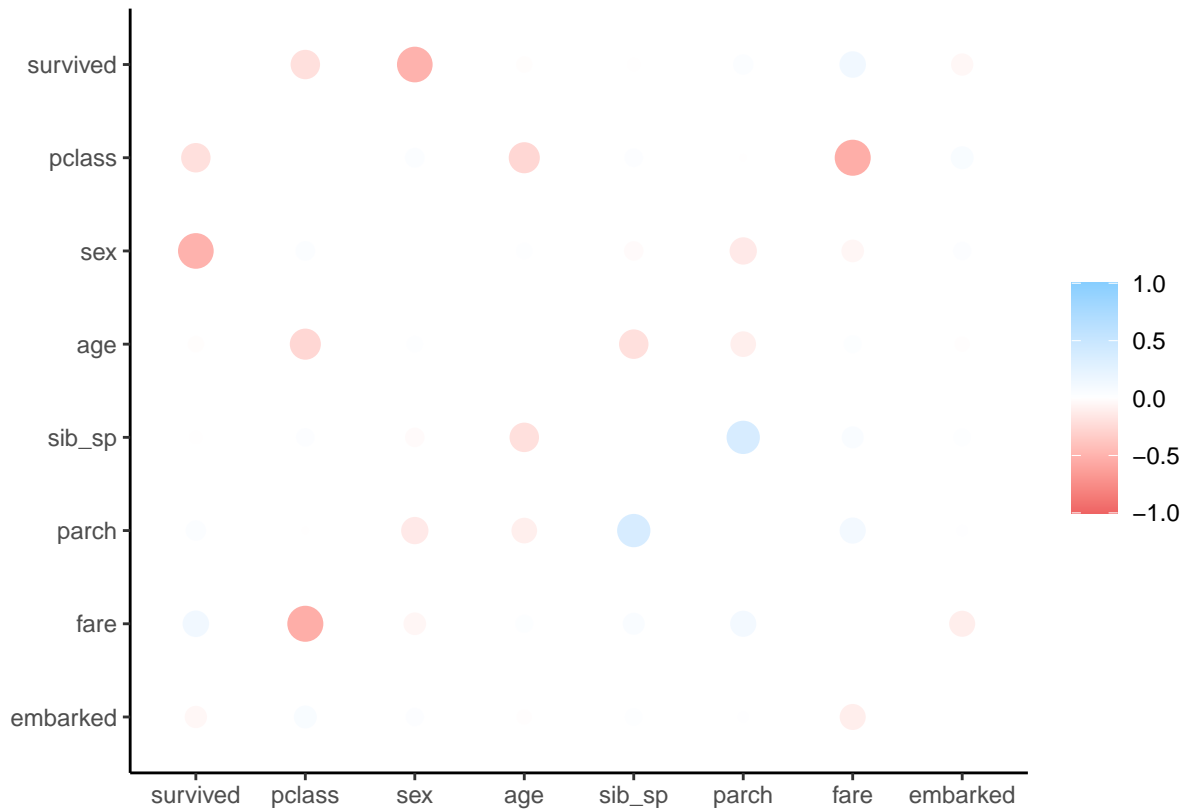
```
titanic_train %>%
  ggplot(aes( x = survived)) +
  geom_bar()
```



Question 3

Using the **training** data set, create a correlation matrix of all continuous variables. Create a visualization of the matrix, and describe any patterns you see. Are any predictors correlated with each other? Which ones, and in which direction?

```
cor_titanic_train <- titanic_train %>%
  dplyr::select(-passenger_id, -name, -cabin, -ticket) %>%
  mutate(sex = fct_recode(sex, "0" = "male", "1" = "female")) %>%
  mutate(embarked = fct_recode(embarked, "1" = "C", "2" = "Q", "3" = "S")) %>%
  mutate(sex = as.integer(sex),
         pclass = as.integer(pclass),
         survived = as.integer(survived),
         embarked = as.integer(embarked)) %>%
  correlate(use = "pairwise.complete.obs", method = "pearson")
rplot(cor_titanic_train)
```



Question 4

Using the **training** data, create a recipe predicting the outcome variable **survived**. Include the following predictors: ticket class, sex, age, number of siblings or spouses aboard, number of parents or children aboard, and passenger fare.

Recall that there were missing values for **age**. To deal with this, add an imputation step using **step_impute_linear()**. Next, use **step_dummy()** to **dummy** encode categorical predictors. Finally, include interactions between:

- Sex and passenger fare, and
- Age and passenger fare.

You'll need to investigate the **tidymodels** documentation to find the appropriate step functions to use.

```
titanic_recipe <- recipe(survived ~ pclass + sex + age + sib_sp + parch + fare, data = titanic_train ) %>%
  step_impute_linear(age ) %>%
  step_dummy(all_nominal_predictors()) %>%
  step_interact(terms = ~ starts_with("sex"):fare +
    age:fare)

titanic_recipe
```

```
## Recipe
##
```

```
## Inputs:
##
##      role #variables
## outcome      1
## predictor      6
##
## Operations:
##
## Linear regression imputation for age
## Dummy variables from all_nominal_predictors()
## Interactions with starts_with("sex"):fare + age:fare
```

Question 5

Specify a **logistic regression** model for classification using the "glm" engine. Then create a workflow. Add your model and the appropriate recipe. Finally, use `fit()` to apply your workflow to the **training** data.

Hint: Make sure to store the results of `fit()`. You'll need them later on.

```
titanic_log <- logistic_reg() %>%
  set_engine("glm") %>%
  set_mode("classification")

titanic_wkflow <- workflow() %>%
  add_model(titanic_log) %>%
  add_recipe(titanic_recipe)

log_fit <- fit(titanic_wkflow, titanic_train)
```

Question 6

Repeat **Question 5**, but this time specify a linear discriminant analysis model for classification using the "MASS" engine.

```
titanic_lda <- discrim_linear() %>%
  set_mode("classification") %>%
  set_engine("MASS")

lda_wkflow <- workflow() %>%
  add_model(titanic_lda) %>%
  add_recipe(titanic_recipe)
class(titanic_train)
```

```
## [1] "data.frame"
```

```
lda_fit <- fit(lda_wkflow, titanic_train)
```

Question 7

Repeat **Question 5**, but this time specify a quadratic discriminant analysis model for classification using the "MASS" engine.

```
titanic_qda <- discrim_quad() %>%
  set_mode("classification") %>%
  set_engine("MASS")

qda_wkflow <- workflow() %>%
  add_model(titanic_qda) %>%
  add_recipe(titanic_recipe)

qda_fit <- fit(qda_wkflow, titanic_train)
```

Question 8

Repeat Question 5, but this time specify a naive Bayes model for classification using the "klaR" engine. Set the `usekernel` argument to `FALSE`.

```
titanic_bay <- naive_Bayes() %>%
  set_mode("classification") %>%
  set_engine("klaR") %>%
  set_args(usekernel = FALSE)

bayes_wkflow <- workflow() %>%
  add_model(titanic_bay) %>%
  add_recipe(titanic_recipe)

bayes_fit <- fit(bayes_wkflow, titanic_train)
```

Question 9

Now you've fit four different models to your training data.

Use `predict()` and `bind_cols()` to generate predictions using each of these 4 models and your **training** data. Then use the *accuracy* metric to assess the performance of each of the four models.

Which model achieved the highest accuracy on the training data?

```
log_predic <- predict(log_fit, titanic_train)
lda_predict <- predict(lda_fit, titanic_train)
qda_predict <- predict(qda_fit, titanic_train)
bayes_predict <- predict(bayes_fit, titanic_train)

predict_bound <- bind_cols(log_predic, lda_predict, qda_predict, bayes_predict, titanic_train$survived)
colnames(predict_bound) = c("Log Predict", "LDA Predict", "QDA Predict",
                             "Bayes Predict", "Survived")

predict_bound
```

```
## # A tibble: 712 x 5
##   'Log Predict' 'LDA Predict' 'QDA Predict' 'Bayes Predict' Survived
##   <fct>        <fct>        <fct>        <fct>        <fct>
## 1 No          No          No          No          No
## 2 No          No          No          No          No
## 3 No          No          No          No          No
```



```
## 4 Yes      Yes      No      No      No
## 5 No       No       No      No      No
## 6 No       Yes      No      No      No
## 7 No       No       No      No      No
## 8 No       No       No      No      No
## 9 No       No       No      Yes     No
## 10 No      No       No      No      No
## # ... with 702 more rows
```

```
log_acc <- augment(log_fit, new_data = titanic_train) %>%
  accuracy(truth = survived, estimate = .pred_class)
lda_acc <- augment(lda_fit, new_data = titanic_train) %>%
  accuracy(truth = survived, estimate = .pred_class)
qda_acc <- augment(qda_fit, new_data = titanic_train) %>%
  accuracy(truth = survived, estimate = .pred_class)
bayes_acc <- augment(bayes_fit, new_data = titanic_train) %>%
  accuracy(truth = survived, estimate = .pred_class)

log_acc
```

```
## # A tibble: 1 x 3
##   .metric .estimator .estimate
##   <chr>   <chr>       <dbl>
## 1 accuracy binary      0.795
```

```
lda_acc
```

```
## # A tibble: 1 x 3
##   .metric .estimator .estimate
##   <chr>   <chr>       <dbl>
## 1 accuracy binary      0.782
```

```
qda_acc
```

```
## # A tibble: 1 x 3
##   .metric .estimator .estimate
##   <chr>   <chr>       <dbl>
## 1 accuracy binary      0.771
```

```
bayes_acc
```

```
## # A tibble: 1 x 3
##   .metric .estimator .estimate
##   <chr>   <chr>       <dbl>
## 1 accuracy binary      0.763
```

We could say log has the highest prediction.

Question 10

Fit the model with the highest training accuracy to the **testing** data. Report the accuracy of the model on the **testing** data.

Again using the **testing** data, create a confusion matrix and visualize it. Plot an ROC curve and calculate the area under it (AUC).

How did the model perform? Compare its training and testing accuracies. If the values differ, why do you think this is so?

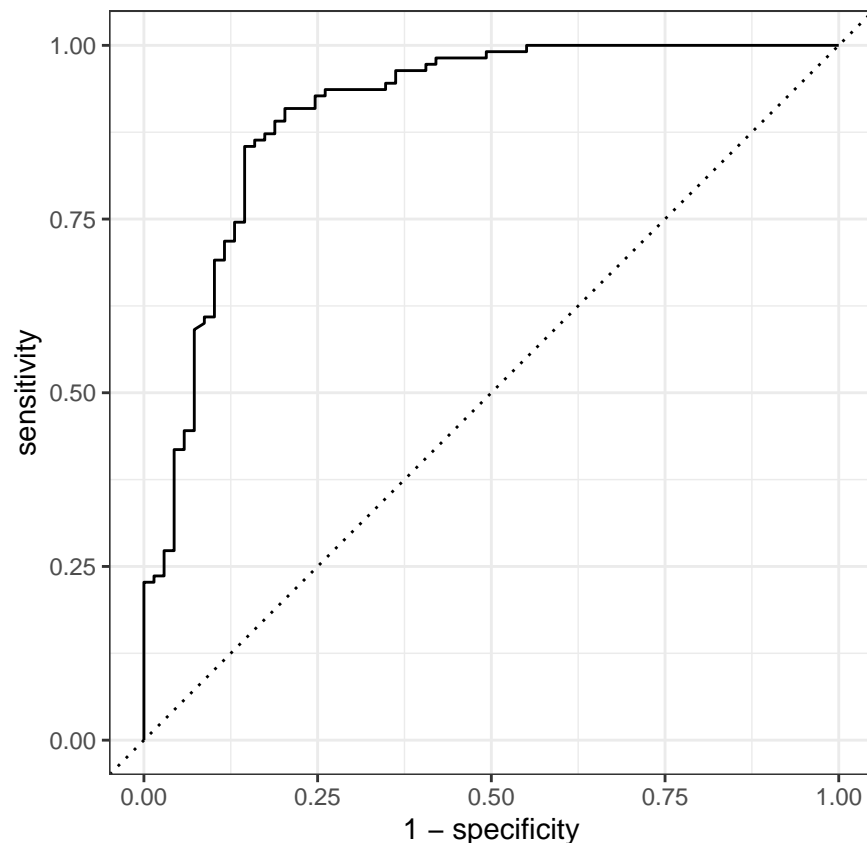
```
predict(log_fit, titanic_test)
```

```
## # A tibble: 179 x 1
##   .pred_class
##   <fct>
## 1 Yes
## 2 No
## 3 No
## 4 No
## 5 Yes
## 6 Yes
## 7 No
## 8 No
## 9 Yes
## 10 No
## # ... with 169 more rows
```

```
augment(log_fit, titanic_test) %>%
  conf_mat(truth = survived, estimate = .pred_class) %>%
  autoplot(type = "heatmap")
```

Prediction	No -	99	14
	Yes -	11	55
		No	Yes
		Truth	

```
augment(log_fit, titanic_test) %>%
  roc_curve(survived, .pred_No) %>%
  autoplot()
```



Required for 231 Students

In a binary classification problem, let p represent the probability of class label 1, which implies that $1 - p$ represents the probability of class label 0. The *logistic function* (also called the “inverse logit”) is the cumulative distribution function of the logistic distribution, which maps a real number z to the open interval $(0, 1)$.

Question 11

Given that:

$$p(z) = \frac{e^z}{1 + e^z}$$

Prove that the inverse of a logistic function is indeed the *logit* function:

$$z(p) = \ln \left(\frac{p}{1 - p} \right)$$

Question 12

Assume that $z = \beta_0 + \beta_1 x_1$ and $p = \text{logistic}(z)$. How do the odds of the outcome change if you increase x_1 by two? Demonstrate this.

Assume now that β_1 is negative. What value does p approach as x_1 approaches ∞ ? What value does p approach as x_1 approaches $-\infty$?