RWorksheet_Pineda#6

2023-12-23

```
StudentScore <- data.frame(Student = c(1:10), Pre_test = c(55,54,47,57,51,61,57,54,63,58), Post_test =
StudentScore
##
      Student Pre_test Post_test
## 1
            1
                    55
## 2
            2
                    54
                               60
            3
## 3
                    47
                               56
            4
## 4
                    57
                               63
## 5
            5
                    51
                               56
## 6
            6
                               63
                    61
## 7
            7
                    57
                               59
## 8
            8
                    54
                               56
## 9
            9
                    63
                               62
## 10
           10
                    58
                               61
library(pastecs)
library(Hmisc)
##
## Attaching package: 'Hmisc'
## The following objects are masked from 'package:base':
##
##
       format.pval, units
pastecsStats <- stat.desc(StudentScore)</pre>
pastecsStats
##
                    Student
                                Pre_test
                                             Post_test
## nbr.val
                10.0000000
                            10.00000000
                                          10.00000000
## nbr.null
                 0.0000000
                              0.00000000
                                           0.00000000
## nbr.na
                 0.0000000
                              0.00000000
                                           0.00000000
## min
                 1.0000000
                             47.00000000
                                          56.00000000
                10.0000000
                             63.00000000
                                          63.00000000
## max
                 9.0000000 16.00000000
## range
                                           7.0000000
                55.0000000 557.00000000 597.00000000
## sum
## median
                 5.5000000 56.00000000 60.50000000
## mean
                 5.5000000 55.70000000 59.70000000
## SE.mean
                 0.9574271
                              1.46855938
                                           0.89504811
## CI.mean.0.95 2.1658506
                              3.32211213
                                           2.02473948
## var
                 9.1666667 21.56666667
                                           8.01111111
## std.dev
                 3.0276504
                              4.64399254
                                           2.83039063
## coef.var
                 0.5504819
                              0.08337509
                                           0.04741023
HmiscStats <- Hmisc::describe(StudentScore[,c("Pre_test","Post_test")])</pre>
HmiscStats
```

```
## StudentScore[, c("Pre_test", "Post_test")]
##
## 2 Variables
                 10 Observations
## -----
## Pre test
##
       n missing distinct
                           Info Mean
                                             Gmd
##
       10
           0
                  8 0.988 55.7 5.444
##
## Value
            47 51 54 55 57 58 61 63
## Frequency
           1 1 2 1 2 1 1
## Proportion 0.1 0.1 0.2 0.1 0.2 0.1 0.1
\#\# For the frequency table, variable is rounded to the nearest 0
## -----
## Post_test
##
       n missing distinct Info Mean
##
       10
            0 6 0.964 59.7
                                           3.311
##
           56 59 60 61 62 63
## Value
## Frequency
            3
                1
                   1
                       2
## Proportion 0.3 0.1 0.1 0.2 0.1 0.2
## For the frequency table, variable is rounded to the nearest 0
#2
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:Hmisc':
##
     src, summarize
##
## The following objects are masked from 'package:pastecs':
##
##
     first, last
## The following objects are masked from 'package:stats':
##
     filter, lag
## The following objects are masked from 'package:base':
##
      intersect, setdiff, setequal, union
##
LevelFertilizer \leftarrow c(10,10,10, 20,20,50,10,20,10,50,20,50,20,10)
OrderedLevelFertilizer <- factor(LevelFertilizer, levels = unique(LevelFertilizer))</pre>
SumFertilizer <- summary(OrderedLevelFertilizer)</pre>
SumFertilizer
## 10 20 50
## 6 5 3
#3
```

```
FactoredLevelExercise <- factor(LevelExercise, levels = c("n","l","i"))
SumExercise <- summary(FactoredLevelExercise)</pre>
SumExercise
## n l i
## 5 4 1
#4
States <- c("tas", "sa", "qld", "nsw", "nsw", "nt", "wa", "yad", "qld", "vic", "nsw", "vic", "qld", "qld
FactoredState <- factor(States)</pre>
FactoredState
## [1] tas sa qld nsw nsw nt wa wa qld vic nsw vic qld qld sa tas sa nt wa
## [20] vic qld nsw nsw wa sa act nsw vic vic act
## Levels: act nsw nt qld sa tas vic wa
SumStates <- summary(FactoredState)</pre>
SumStates
## act nsw nt qld sa tas vic
             2
                 5
         6
                     4
                         2
#A factor that matches the distinct values in the original character vector will be the outcome. The le
#5.a
Incomes \leftarrow c(60, 49, 40, 61, 64, 60, 59, 54,
62, 69, 70, 42, 56, 61, 61, 61, 58, 51, 48,
65, 49, 49, 41, 48, 52, 46, 59, 46, 58, 43)
meanIncomes <- tapply(Incomes, FactoredState, mean)</pre>
meanIncomes
##
        act
                                    qld
                                                                vic
                 nsw
                                                       tas
## 44.50000 57.33333 55.50000 53.60000 55.00000 60.50000 56.00000 52.25000
#5.b act nsw nt qld sa tas vic wa 44.50000 57.33333 55.50000 53.60000 55.00000 60.50000 56.00000 52.25000
#The average income for each state is included in this output. Additionally, each name corresponds to a
stateFactor factor level.
\#6.a
stdError <- function(x) sqrt(var(x)/length(x))</pre>
incster <- tapply(Incomes, States, stdError)</pre>
StandardError <- tapply(Incomes, FactoredState, stdError)</pre>
StandardError
##
        act
                 nsw
                                    qld
                                                       tas
                                                                vic
                                                                           พล
## 1.500000 4.310195 4.500000 4.106093 2.738613 0.500000 5.244044 2.657536
#6.b #The standard errors connected to each state's estimated mean income are contained in the vector
index. The sample mean's variability is reflected in the standard error, where higher standard errors denote
higher variability.
```

#7

```
library(titanic)
data("titanic_train")
DataTitanic <- titanic_train</pre>
str(DataTitanic)
## 'data.frame':
                    891 obs. of 12 variables:
## $ PassengerId: int 1 2 3 4 5 6 7 8 9 10 ...
## $ Survived : int 0 1 1 1 0 0 0 0 1 1 ...
## $ Pclass
                : int 3 1 3 1 3 3 1 3 3 2 ...
## $ Name
                 : chr
                       "Braund, Mr. Owen Harris" "Cumings, Mrs. John Bradley (Florence Briggs Thayer)"
## $ Sex
                 : chr
                        "male" "female" "female" ...
## $ Age
                 : num 22 38 26 35 35 NA 54 2 27 14 ...
## $ SibSp
                 : int 1 1 0 1 0 0 0 3 0 1 ...
## $ Parch
                 : int 000000120...
                       "A/5 21171" "PC 17599" "STON/O2. 3101282" "113803" ...
## $ Ticket
                 : chr
## $ Fare
                 : num
                       7.25 71.28 7.92 53.1 8.05 ...
                        "" "C85" "" "C123" ...
## $ Cabin
                 : chr
                        "S" "C" "S" "S" ...
## $ Embarked
                 : chr
survived <- subset(DataTitanic, Survived == 1)</pre>
survived
##
       PassengerId Survived Pclass
## 2
                 2
                          1
                                 1
## 3
                 3
                                 3
                          1
## 4
                4
                          1
                                 1
## 9
                9
                          1
                                 3
## 10
                10
                          1
                                 2
## 11
                11
                          1
                                 3
## 12
               12
                         1
                                 1
## 16
                16
                          1
                                 2
## 18
               18
                          1
                                 2
## 20
               20
                                 3
## 22
               22
                                 2
                          1
## 23
                                 3
               23
                          1
## 24
               24
                          1
                                 1
## 26
               26
                                 3
## 29
               29
                          1
                                 3
## 32
                32
                          1
                                 1
## 33
               33
                                 3
                          1
## 37
               37
                                 3
                          1
## 40
               40
                          1
                                 3
                          1
                                 2
## 44
                44
               45
## 45
                          1
                                 3
## 48
                48
                          1
                                 3
## 53
                53
                          1
                                 1
                                 2
## 54
               54
                          1
## 56
               56
                          1
                                 1
## 57
               57
                          1
                                 2
## 59
               59
                          1
                                 2
## 62
                62
                          1
                                 1
```

3

1

66

66

шш	67	67	4	0
##	67	67	1	2
##	69	69 75	1	3
##	75	75	1	3
##	79	79	1	2
##	80	80	1	3
##	82	82	1	3
##	83	83	1	3
##	85	85	1	2
##	86	86	1	3
##	89	89	1	1
##	98	98	1	1
##	99	99	1	2
##	107	107	1	3
##	108	108	1	3
##	110	110	1	3
##	124	124	1	2
##	126	126	1	3
##	128	128	1	3
##	129	129	1	3
##	134	134	1	2
##	137	137	1	1
##	142	142	1	3
##	143	143	1	3
##	147	147	1	3
##	152	152	1	1
##	157	157	1	3
##	162	162	1	2
##	166	166	1	3
##	167	167	1	1
##	173	173	1	3
##	184	184	1	2
##	185	185	1	3
##	187	187	1	3
##	188	188	1	1
##	191	191	1	2
##	193	193	1	3
##	194	194	1	2
##	195	195	1	1
##	196	196	1	1
##	199	199	1	3
##	205	205	1	3
##	208	208	1	3
##	209	209	1	3
##	210	210	1	1
##	212	212	1	2
##	216	216	1	1
##	217	217	1	3
##	219	219	1	1
##	221	221	1	3
##	225	225	1	1
##	227	227	1	2
##	231	231	1	1
##	234	234	1	3
##	238	238	1	2
	200	200	-	

				_
##	242	242	1	3
##	248	248	1	2
##	249	249	1	1
##	256	256	1	3
##	257	257	1	1
			1	1
##	258	258		
##	259	259	1	1
##	260	260	1	2
##	262	262	1	3
##	268	268	1	3
##	269	269	1	1
##	270	270	1	1
##	272	272	1	3
##	273	273	1	2
##				
	275	275	1	3
##	276	276	1	1
##	280	280	1	3
##	284	284	1	3
##	287	287	1	3
##	289	289	1	2
##	290	290	1	3
##	291	291	1	1
##	292	292	1	1
##	299	299	1	1
##	300	300	1	1
##	301	301	1	3
##	302	302	1	3
##	304	304	1	2
##	306	306	1	1
##	307	307	1	1
##	308	308	1	1
##	310	310	1	1
##	311	311	1	1
##	312			
		312	1	1
##	316	316	1	3
##	317	317	1	2
##	319	319	1	1
##	320	320	1	1
##	323	323	1	2
##	324	324	1	2
##	326	326	1	1
##	328	328	1	2
##	329	329	1	3
	330		1	
##		330		1
##	331	331	1	3
##	335	335	1	1
##	338	338	1	1
##	339	339	1	3
##	341	341	1	2
##	342	342	1	1
##	346	346	1	2
##	347	347	1	2
##	348	348	1	3
				3
##	349	349	1	3

##	357	357	1	1
##	359	359	1	3
##	360	360	1	3
##	367	367	1	1
##	368	368	1	3
##	369	369	1	3
##	370	370	1	1
##	371	371	1	1
##	376	376	1	1
##	377	377	1	3
##	381	381	1	1
##	382	382	1	3
##	384	384	1	1
##	388	388	1	2
##	390	390	1	2
##	391	391	1	1
##	392	392	1	3
##	394	394	1	1
##	395	395	1	3
##	400	400	1	2
##	401	401	1	3
##	408	408	1	2
##	413	413	1	1
##	415	415	1	3
##	417	417	1	2
##	417	418	1	2
##	427	427	1	2
##	428	428	1	2
##	430	430	1	3
##	431	431	1	1
##	432	432	1	3
##	433	433	1	2
##	436	436	1	1
##	438	438	1	2
##	441	441	1	2
##	444	444	1	2
##	445	445	1	3
##	446	446	1	1
##	447	447	1	2
##	448	448	1	1
##	449	449	1	3
##	450	450	1	1
##	454	454	1	1
##	456	456	1	3
##	458		1	
		458		1
##	459	459	1	2
##	461	461	1	1
##	470	470	1	3
##	473	473	1	2
##	474	474	1	2
##	480	480	1	3
##	484	484	1	3
##	485	485	1	1
##	487	487	1	1

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##	490	490	1	3
##	497	497	1	1
##	505	505	1	1
##	507	507	1	2
##	508	508	1	1
##	510	510	1	3
##	511	511	1	3
##	513	513	1	1
##	514	514	1	1
##	517	517	1	2
##	519	519	1	2
##	521	521	1	1
##	524	524	1	1
##	527	527	1	2
##	531	531	1	2
##	534	534	1	3
##	536	536	1	2
##	538	538	1	1
##	540	540	1	1
##	541	541	1	1
##	544	544	1	2
##	547	547	1	2
##	548	548	1	2
##	550	550	1	2
##	551	551	1	1
##	554	554	1	3
##	555	555	1	3
##	557	557	1	1
##	559	559	1	1
##	560	560	1	3
##	570	570	1	3
##	571	571	1	2
##	572	572	1	1
##	573	573	1	1
##	574	574	1	3
##	577	577	1	2
##	578	578	1	1
##	580	580	1	3
##	581	581	1	2
##	582	582	1	1
##	586	586	1	1
				1
##	588	588	1	
##	592	592	1	1
##	597	597	1	2
##	600	600	1	1
##	601	601	1	2
##	605	605	1	1
##	608	608	1	1
##	609	609	1	2
##	610	610	1	1
##	613	613	1	3
##	616	616	1	2
##	619	619	1	2
##	622	622	1	1
##	UZZ	UZZ	1	Т

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##	623	623	1	3
##	628	628	1	1
##	631	631	1	1
##	633	633	1	1
##	636	636	1	2
##	642	642	1	1
##	644	644	1	3
##	645	645	1	3
##	646	646	1	1
##	648	648	1	1
##	650	650	1	3
##	652	652	1	2
		654		
##	654		1	3
##	661	661	1	1
##	665	665	1	3
##	670	670	1	1
##	671	671	1	2
##	674	674	1	2
##	678	678	1	3
##	680	680	1	1
##	682	682	1	1
##	690	690	1	1
##	691	691	1	1
##	692	692	1	3
##	693	693	1	3
##	698	698	1	3
##	701	701	1	1
##	702	702	1	1
##	707	707	1	2
##	708	707	1	1
##	709	709	1	1
##	710	710	1	3
##	711	711	1	1
##	713	713	1	1
##	717	717	1	1
##	718	718	1	2
##	721	721	1	2
##	725	725	1	1
##	727	727	1	2
##	728	728	1	3
##	731	731	1	1
##	738	738	1	1
##	741	741	1	1
##	743	743	1	1
##	745	745	1	3
##	748	748	1	2
##	751	751	1	2
##	751 752	751 752	1	3
##	755 756	755 75 <i>6</i>	1	2
##	756	756	1	2
##	760	760	1	1
##	763	763	1	3
##	764	764	1	1
##	766	766	1	1

```
## 775
                775
                                     2
                             1
                             1
                                     3
## 778
                778
## 780
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                780
                                     1
## 781
                781
                             1
                                     3
## 782
                782
                             1
                                     1
## 787
                787
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                                     3
## 789
                789
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## 797
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## 798
                798
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## 802
                802
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## 803
                803
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                                     3
## 804
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                805
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## 810
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                821
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## 824
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## 828
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## 829
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## 830
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                830
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## 832
                832
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                                     2
## 836
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                             1
                                     1
## 839
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                             1
                                     3
## 840
                             1
                                     1
                840
## 843
                843
                             1
                                     1
## 850
                850
                             1
                                     1
## 854
                854
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                                     1
## 856
                             1
                                     3
                856
## 857
                             1
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                                     1
## 858
                858
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                                     1
## 859
                859
                             1
                                     3
## 863
                863
                             1
                                     1
                                     2
## 866
                866
                             1
                                     2
                             1
## 867
                867
                             1
                                     3
## 870
                870
## 872
                872
                             1
                                     1
## 875
                875
                             1
                                     2
                                     3
## 876
                876
                             1
## 880
                             1
                                     1
                880
## 881
                881
                             1
                                     2
## 888
                888
                             1
                                     1
## 890
                890
                             1
                                     1
##
                                                                                               Name
## 2
                                          Cumings, Mrs. John Bradley (Florence Briggs Thayer)
## 3
                                                                           Heikkinen, Miss. Laina
## 4
                                                  Futrelle, Mrs. Jacques Heath (Lily May Peel)
## 9
                                             Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)
## 10
                                                            Nasser, Mrs. Nicholas (Adele Achem)
## 11
                                                                 Sandstrom, Miss. Marguerite Rut
## 12
                                                                         Bonnell, Miss. Elizabeth
## 16
                                                                Hewlett, Mrs. (Mary D Kingcome)
## 18
                                                                    Williams, Mr. Charles Eugene
## 20
                                                                          Masselmani, Mrs. Fatima
```

##	22	Beesley, Mr. Lawrence
##	23	McGowan, Miss. Anna "Annie"
##	24	Sloper, Mr. William Thompson
##	26	Asplund, Mrs. Carl Oscar (Selma Augusta Emilia Johansson)
##	29	O'Dwyer, Miss. Ellen "Nellie"
##	32	Spencer, Mrs. William Augustus (Marie Eugenie)
##	33	Glynn, Miss. Mary Agatha
##	37	Mamee, Mr. Hanna
##	40	Nicola-Yarred, Miss. Jamila
##	44	Laroche, Miss. Simonne Marie Anne Andree
##	45	Devaney, Miss. Margaret Delia
##	48	O'Driscoll, Miss. Bridget
##	53	Harper, Mrs. Henry Sleeper (Myna Haxtun)
##	54	Faunthorpe, Mrs. Lizzie (Elizabeth Anne Wilkinson)
##	56	Woolner, Mr. Hugh
##	57	Rugg, Miss. Emily
##	59	West, Miss. Constance Mirium
##	62	Icard, Miss. Amelie
##	66	Moubarek, Master. Gerios
##	67	Nye, Mrs. (Elizabeth Ramell)
##	69	Andersson, Miss. Erna Alexandra
##	75	Bing, Mr. Lee
##	79	Caldwell, Master. Alden Gates
##	80	Dowdell, Miss. Elizabeth
##	82	Sheerlinck, Mr. Jan Baptist
##	83	McDermott, Miss. Brigdet Delia
##	85	Ilett, Miss. Bertha
##	86	Backstrom, Mrs. Karl Alfred (Maria Mathilda Gustafsson)
##	89	Fortune, Miss. Mabel Helen
##	98	Greenfield, Mr. William Bertram
##		Doling, Mrs. John T (Ada Julia Bone)
	107	Salkjelsvik, Miss. Anna Kristine
##	108	Moss, Mr. Albert Johan
	110	Moran, Miss. Bertha
	124	Webber, Miss. Susan
	126	Nicola-Yarred, Master. Elias
	128	Madsen, Mr. Fridtjof Arne
	129	Peter, Miss. Anna
	134	Weisz, Mrs. Leopold (Mathilde Francoise Pede)
	137	Newsom, Miss. Helen Monypeny
	142	Nysten, Miss. Anna Sofia
	143	Hakkarainen, Mrs. Pekka Pietari (Elin Matilda Dolck)
	147	Andersson, Mr. August Edvard ("Wennerstrom")
	152	Pears, Mrs. Thomas (Edith Wearne)
	157	Gilnagh, Miss. Katherine "Katie"
	162	Watt, Mrs. James (Elizabeth "Bessie" Inglis Milne)
	166	Goldsmith, Master. Frank John William "Frankie"
	167	Chibnall, Mrs. (Edith Martha Bowerman)
	173	Johnson, Miss. Eleanor Ileen
	184	Becker, Master. Richard F
	185	Kink-Heilmann, Miss. Luise Gretchen
	187	O'Brien, Mrs. Thomas (Johanna "Hannah" Godfrey)
	188	Romaine, Mr. Charles Hallace ("Mr C Rolmane")
##	191	Pinsky, Mrs. (Rosa)

	400	
	193	Andersen-Jensen, Miss. Carla Christine Nielsine
	194	Navratil, Master. Michel M
	195	Brown, Mrs. James Joseph (Margaret Tobin)
	196	Lurette, Miss. Elise
	199	Madigan, Miss. Margaret "Maggie"
	205	Cohen, Mr. Gurshon "Gus"
	208	Albimona, Mr. Nassef Cassem
	209	Carr, Miss. Helen "Ellen"
	210	Blank, Mr. Henry
	212	Cameron, Miss. Clear Annie
	216	Newell, Miss. Madeleine
	217	Honkanen, Miss. Eliina
	219	Bazzani, Miss. Albina
	221	Sunderland, Mr. Victor Francis
	225	Hoyt, Mr. Frederick Maxfield
	227	Mellors, Mr. William John
	231	Harris, Mrs. Henry Birkhardt (Irene Wallach)
	234	Asplund, Miss. Lillian Gertrud
	238	Collyer, Miss. Marjorie "Lottie"
	242	Murphy, Miss. Katherine "Kate"
	248	Hamalainen, Mrs. William (Anna)
	249	Beckwith, Mr. Richard Leonard
	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)
##	262	Asplund, Master. Edvin Rojj Felix
	268	Persson, Mr. Ernst Ulrik
##	269	Graham, Mrs. William Thompson (Edith Junkins)
	270	Bissette, Miss. Amelia
##	272	Tornquist, Mr. William Henry
##	273	Mellinger, Mrs. (Elizabeth Anne Maidment)
##	275	Healy, Miss. Hanora "Nora"
##	276	Andrews, Miss. Kornelia Theodosia
##	280	Abbott, Mrs. Stanton (Rosa Hunt)
##	284	Dorking, Mr. Edward Arthur
	287	de Mulder, Mr. Theodore
	289	Hosono, Mr. Masabumi
##	290	Connolly, Miss. Kate
	291	Barber, Miss. Ellen "Nellie"
##	292	Bishop, Mrs. Dickinson H (Helen Walton)
##	299	Saalfeld, Mr. Adolphe
##	300	Baxter, Mrs. James (Helene DeLaudeniere Chaput)
	301	Kelly, Miss. Anna Katherine "Annie Kate"
	302	McCoy, Mr. Bernard
##	304	Keane, Miss. Nora A
##	306	Allison, Master. Hudson Trevor
##	307	Fleming, Miss. Margaret
##	308	Penasco y Castellana, Mrs. Victor de Satode (Maria Josefa Perez de Soto y Vallejo)
##	310	Francatelli, Miss. Laura Mabel
##	311	Hays, Miss. Margaret Bechstein
##	312	Ryerson, Miss. Emily Borie
##	316	Nilsson, Miss. Helmina Josefina

	0.47	
	317	Kantor, Mrs. Sinai (Miriam Sternin)
	319	Wick, Miss. Mary Natalie
	320 323	Spedden, Mrs. Frederic Oakley (Margaretta Corning Stone)
	324	Slayter, Miss. Hilda Mary Caldwell, Mrs. Albert Francis (Sylvia Mae Harbaugh)
	324	Young, Miss. Marie Grice
	328	Ball, Mrs. (Ada E Hall)
	329	Goldsmith, Mrs. Frank John (Emily Alice Brown)
	330	Hippach, Miss. Jean Gertrude
	331	McCoy, Miss. Agnes
	335	Frauenthal, Mrs. Henry William (Clara Heinsheimer)
	338	Burns, Miss. Elizabeth Margaret
##	339	Dahl, Mr. Karl Edwart
##	341	Navratil, Master. Edmond Roger
##	342	Fortune, Miss. Alice Elizabeth
##	346	Brown, Miss. Amelia "Mildred"
##	347	Smith, Miss. Marion Elsie
##	348	Davison, Mrs. Thomas Henry (Mary E Finck)
	349	Coutts, Master. William Loch "William"
	357	Bowerman, Miss. Elsie Edith
	359	McGovern, Miss. Mary
	360	Mockler, Miss. Helen Mary "Ellie"
	367	Warren, Mrs. Frank Manley (Anna Sophia Atkinson)
	368	Moussa, Mrs. (Mantoura Boulos)
	369	Jermyn, Miss. Annie
	370 371	Aubart, Mme. Leontine Pauline
	376	Harder, Mr. George Achilles Meyer, Mrs. Edgar Joseph (Leila Saks)
	377	Landergren, Miss. Aurora Adelia
	381	Bidois, Miss. Rosalie
	382	Nakid, Miss. Maria ("Mary")
	384	Holverson, Mrs. Alexander Oskar (Mary Aline Towner)
	388	Buss, Miss. Kate
	390	Lehmann, Miss. Bertha
	391	Carter, Mr. William Ernest
##	392	Jansson, Mr. Carl Olof
##	394	Newell, Miss. Marjorie
##	395	Sandstrom, Mrs. Hjalmar (Agnes Charlotta Bengtsson)
	400	Trout, Mrs. William H (Jessie L)
	401	Niskanen, Mr. Juha
	408	Richards, Master. William Rowe
	413	Minahan, Miss. Daisy E
	415	Sundman, Mr. Johan Julian
	417	Drew, Mrs. James Vivian (Lulu Thorne Christian)
	418	Silven, Miss. Lyyli Karoliina
	427	Clarke, Mrs. Charles V (Ada Maria Winfield)
	428	Phillips, Miss. Kate Florence ("Mrs Kate Louise Phillips Marshall")
	430	Pickard, Mr. Berk (Berk Trembisky)
	431 432	Bjornstrom-Steffansson, Mr. Mauritz Hakan Thorneycroft, Mrs. Percival (Florence Kate White)
	432	Louch, Mrs. Charles Alexander (Alice Adelaide Slow)
	436	Carter, Miss. Lucile Polk
	438	Richards, Mrs. Sidney (Emily Hocking)
	441	Hart, Mrs. Benjamin (Esther Ada Bloomfield)

	444	Reynaldo, Ms. Encarnacion
	445	Johannesen-Bratthammer, Mr. Bernt
	446	Dodge, Master. Washington
	447	Mellinger, Miss. Madeleine Violet
	448 449	Seward, Mr. Frederic Kimber
	450	Baclini, Miss. Marie Catherine Peuchen, Major. Arthur Godfrey
	454	Goldenberg, Mr. Samuel L
	456	Jalsevac, Mr. Ivan
	458	Kenyon, Mrs. Frederick R (Marion)
	459	Toomey, Miss. Ellen
	461	Anderson, Mr. Harry
##	470	Baclini, Miss. Helene Barbara
##	473	West, Mrs. Edwy Arthur (Ada Mary Worth)
##	474	Jerwan, Mrs. Amin S (Marie Marthe Thuillard)
##	480	Hirvonen, Miss. Hildur E
##	484	Turkula, Mrs. (Hedwig)
##	485	Bishop, Mr. Dickinson H
##	487	Hoyt, Mrs. Frederick Maxfield (Jane Anne Forby)
##	490	Coutts, Master. Eden Leslie "Neville"
	497	Eustis, Miss. Elizabeth Mussey
	505	Maioni, Miss. Roberta
	507	Quick, Mrs. Frederick Charles (Jane Richards)
	508	Bradley, Mr. George ("George Arthur Brayton")
	510	Lang, Mr. Fang
	511	Daly, Mr. Eugene Patrick
	513 514	McGough, Mr. James Robert Rothschild, Mrs. Martin (Elizabeth L. Barrett)
	517	Lemore, Mrs. (Amelia Milley)
	519	Angle, Mrs. William A (Florence "Mary" Agnes Hughes)
	521	Perreault, Miss. Anne
	524	Hippach, Mrs. Louis Albert (Ida Sophia Fischer)
	527	Ridsdale, Miss. Lucy
##	531	Quick, Miss. Phyllis May
##	534	Peter, Mrs. Catherine (Catherine Rizk)
##	536	Hart, Miss. Eva Miriam
##	538	LeRoy, Miss. Bertha
##	540	Frolicher, Miss. Hedwig Margaritha
##	541	Crosby, Miss. Harriet R
	544	Beane, Mr. Edward
	547	Beane, Mrs. Edward (Ethel Clarke)
	548	Padro y Manent, Mr. Julian
	550	Davies, Master. John Morgan Jr
	551	Thayer, Mr. John Borland Jr
	554	Leeni, Mr. Fahim ("Philip Zenni")
	555 557	Ohman, Miss. Velin
	557 550	Duff Gordon, Lady. (Lucille Christiana Sutherland) ("Mrs Morgan") Taussig Mrs Emil (Tillia Mandalbaum)
	559 560	Taussig, Mrs. Emil (Tillie Mandelbaum)
	570	de Messemaeker, Mrs. Guillaume Joseph (Emma) Jonsson, Mr. Carl
	571	Harris, Mr. George
	572	Appleton, Mrs. Edward Dale (Charlotte Lamson)
	573	Flynn, Mr. John Irwin ("Irving")
	574	Kelly, Miss. Mary

	577	Garside, Miss. Ethel
	578	Silvey, Mrs. William Baird (Alice Munger)
	580	Jussila, Mr. Eiriik
	581	Christy, Miss. Julie Rachel
	582	Thayer, Mrs. John Borland (Marian Longstreth Morris)
	586	Taussig, Miss. Ruth
	588	Frolicher-Stehli, Mr. Maxmillian
	592	Stephenson, Mrs. Walter Bertram (Martha Eustis)
	597	Leitch, Miss. Jessie Wills
	600	Duff Gordon, Sir. Cosmo Edmund ("Mr Morgan")
	601	Jacobsohn, Mrs. Sidney Samuel (Amy Frances Christy)
	605	Homer, Mr. Harry ("Mr E Haven")
	608	Daniel, Mr. Robert Williams
	609	Laroche, Mrs. Joseph (Juliette Marie Louise Lafargue)
	610	Shutes, Miss. Elizabeth W
	613	Murphy, Miss. Margaret Jane
	616	Herman, Miss. Alice
	619	Becker, Miss. Marion Louise
	622	Kimball, Mr. Edwin Nelson Jr
	623 628	Nakid, Mr. Sahid
	631	Longley, Miss. Gretchen Fiske Barkworth, Mr. Algernon Henry Wilson
	633	Stahelin-Maeglin, Dr. Max
	636	Davis, Miss. Mary
	642	Sagesser, Mile. Emma
	644	Foo, Mr. Choong
	645	Baclini, Miss. Eugenie
	646	Harper, Mr. Henry Sleeper
	648	Simonius-Blumer, Col. Oberst Alfons
	650	Stanley, Miss. Amy Zillah Elsie
##	652	Doling, Miss. Elsie
##	654	O'Leary, Miss. Hanora "Norah"
##	661	Frauenthal, Dr. Henry William
##	665	Lindqvist, Mr. Eino William
##	670	Taylor, Mrs. Elmer Zebley (Juliet Cummins Wright)
##	671	Brown, Mrs. Thomas William Solomon (Elizabeth Catherine Ford)
	674	Wilhelms, Mr. Charles
##	678	Turja, Miss. Anna Sofia
	680	Cardeza, Mr. Thomas Drake Martinez
	682	Hassab, Mr. Hammad
	690	Madill, Miss. Georgette Alexandra
	691	Dick, Mr. Albert Adrian
	692	Karun, Miss. Manca
	693	Lam, Mr. Ali
	698	Mullens, Miss. Katherine "Katie"
	701	Astor, Mrs. John Jacob (Madeleine Talmadge Force)
	702	Silverthorne, Mr. Spencer Victor
	707	Kelly, Mrs. Florence "Fannie"
	708	Calderhead, Mr. Edward Pennington
	709 710	Cleaver, Miss. Alice Moubarek, Master. Halim Gonios ("William George")
	710	Mayne, Mlle. Berthe Antonine ("Mrs de Villiers")
	713	Taylor, Mr. Elmer Zebley
	717	Endres, Miss. Caroline Louise
4.00	1	Emarco, Miss. Garoffile Bourse

## 7		Troutt, Miss. Edwina Celia "Winnie"
## 7		Harper, Miss. Annie Jessie "Nina"
## 7		Chambers, Mr. Norman Campbell
## 7		Renouf, Mrs. Peter Henry (Lillian Jefferys)
## 7		Mannion, Miss. Margareth
## 7		Allen, Miss. Elisabeth Walton
## 7		Lesurer, Mr. Gustave J
## 7		Hawksford, Mr. Walter James
## 7		Ryerson, Miss. Susan Parker "Suzette"
## 7 ## 7		Stranden, Mr. Juho
## 7		Sinkkonen, Miss. Anna Wells, Miss. Joan
## 7		Moor, Master. Meier
## 7		Herman, Mrs. Samuel (Jane Laver)
## 7		Hamalainen, Master. Viljo
## 7		Rothes, the Countess. of (Lucy Noel Martha Dyer-Edwards)
## 7		Barah, Mr. Hanna Assi
## 7		Carter, Mrs. William Ernest (Lucile Polk)
## 7		Hogeboom, Mrs. John C (Anna Andrews)
## 7		Hocking, Mrs. Elizabeth (Eliza Needs)
## 7	778	Emanuel, Miss. Virginia Ethel
## 7	780	Robert, Mrs. Edward Scott (Elisabeth Walton McMillan)
## 7	781	Ayoub, Miss. Banoura
## 7	782	Dick, Mrs. Albert Adrian (Vera Gillespie)
## 7	787	Sjoblom, Miss. Anna Sofia
## 7	789	Dean, Master. Bertram Vere
## 7	797	Leader, Dr. Alice (Farnham)
## 7		Osman, Mrs. Mara
## 8		Collyer, Mrs. Harvey (Charlotte Annie Tate)
## 8		Carter, Master. William Thornton II
## 8		Thomas, Master. Assad Alexander
## 8		Hedman, Mr. Oskar Arvid
## 8		Chambers, Mrs. Norman Campbell (Bertha Griggs)
## 8		Hays, Mrs. Charles Melville (Clara Jennings Gregg)
## 8 ## 8		Lulic, Mr. Nikola
## 8		Moor, Mrs. (Beila) Mallet, Master. Andre
## 8		McCormack, Mr. Thomas Joseph
## 8		Stone, Mrs. George Nelson (Martha Evelyn)
## 8		Yasbeck, Mrs. Antoni (Selini Alexander)
## 8		Richards, Master. George Sibley
## 8		Compton, Miss. Sara Rebecca
## 8		Chip, Mr. Chang
## 8		Marechal, Mr. Pierre
## 8		Serepeca, Miss. Augusta
## 8		Goldenberg, Mrs. Samuel L (Edwiga Grabowska)
## 8		Lines, Miss. Mary Conover
## 8		Aks, Mrs. Sam (Leah Rosen)
## 8		Wick, Mrs. George Dennick (Mary Hitchcock)
## 8	858	Daly, Mr. Peter Denis
## 8	859	Baclini, Mrs. Solomon (Latifa Qurban)
## 8	863	Swift, Mrs. Frederick Joel (Margaret Welles Barron)
## 8	866	Bystrom, Mrs. (Karolina)
## 8	867	Duran y More, Miss. Asuncion

##	870							Johnson, Master. Harold Theodor
##	872					Beckwith,	Mrs. Ric	chard Leonard (Sallie Monypeny)
	875							n, Mrs. Samuel (Hannah Wizosky)
	876							ajib, Miss. Adele Kiamie "Jane"
	880							nomas Jr (Lily Alexenia Wilson)
	881					Shell	ey, Mrs.	William (Imanita Parrish Hall)
	888							Graham, Miss. Margaret Edith
	890	~		~			_	Behr, Mr. Karl Howell
##	0	Sex		SibSp		Ticket	Fare	Cabin
##		female		1	0	PC 17599	71.2833	C85
##		female		0	0	STON/02. 3101282	7.9250	G102
## ##		female female		1	0 2	113803 347742	53.1000 11.1333	C123
	10	female		1	0	237736	30.0708	
		female		1	1	PP 9549	16.7000	G6
##	12	female		0	0	113783	26.5500	C103
##	16	female		0	0	248706	16.0000	0100
##	18	male	NA	0	0	244373	13.0000	
##		female	NA	0	0	2649	7.2250	
	22	male	34.00	0	0	248698	13.0000	D56
##	23	female		0	0	330923	8.0292	
##	24	male	28.00	0	0	113788	35.5000	A6
##	26	female	38.00	1	5	347077	31.3875	
##	29	female	NA	0	0	330959	7.8792	
##	32	${\tt female}$	NA	1	0	PC 17569	146.5208	B78
##	33	${\tt female}$	NA	0	0	335677	7.7500	
##	37	male	NA	0	0	2677	7.2292	
##	40	${\tt female}$		1	0	2651	11.2417	
	44	female	3.00	1	2	SC/Paris 2123	41.5792	
	45	female		0	0	330958	7.8792	
	48	female	NA	0	0	14311	7.7500	200
##		female		1	0	PC 17572	76.7292	D33
	54 56	female		1	0	2926	26.0000	CE O
	56	male female	NA	0	0	19947 C.A. 31026	35.5000 10.5000	C52
##	57 50	female		0	0 2	C.A. 31026 C.A. 34651	27.7500	
	62	female		0	0	113572	80.0000	B28
	66	male	NA	1	1	2661	15.2458	520
	67	female		0	0	C.A. 29395	10.5000	F33
##		female		4	2	3101281	7.9250	100
##			32.00	0	0	1601	56.4958	
	79		0.83	0	2	248738	29.0000	
##		female		0	0	364516	12.4750	
##	82		29.00	0	0	345779	9.5000	
##	83	female	NA	0	0	330932	7.7875	
##	85	${\tt female}$	17.00	0	0	SO/C 14885	10.5000	
##	86	${\tt female}$	33.00	3	0	3101278	15.8500	
##	89	${\tt female}$	23.00	3	2	19950	263.0000	C23 C25 C27
##	98	male	23.00	0	1	PC 17759	63.3583	D10 D12
##	99	${\tt female}$		0	1	231919	23.0000	
##		female		0	0	343120	7.6500	
	108	male	NA	0	0	312991	7.7750	
		female	NA	1	0	371110	24.1500	7404
##	124	female	32.50	0	0	27267	13.0000	E101

##	126	male	12.00	1	0	2651	11.2417	
	128		24.00	0	0	C 17369	7.1417	
##	129	female	NA	1	1	2668	22.3583	F E69
##	134	female	29.00	1	0	228414	26.0000	
##	137	female	19.00	0	2	11752	26.2833	D47
##	142	female	22.00	0	0	347081	7.7500	
##	143	female	24.00	1	0	STON/02. 3101279	15.8500	
##	147	male	27.00	0	0	350043	7.7958	
##	152	female	22.00	1	0	113776	66.6000	C2
##	157	female	16.00	0	0	35851	7.7333	
##	162	female	40.00	0	0	C.A. 33595	15.7500	
##	166	male	9.00	0	2	363291	20.5250	
##	167	female	NA	0	1	113505	55.0000	E33
##	173	female	1.00	1	1	347742	11.1333	
##	184	male	1.00	2	1	230136	39.0000	F4
##	185	female	4.00	0	2	315153	22.0250	
##	187	female	NA	1	0	370365	15.5000	
##	188	male	45.00	0	0	111428	26.5500	
##	191	${\tt female}$	32.00	0	0	234604	13.0000	
##	193	${\tt female}$	19.00	1	0	350046	7.8542	
##	194	male	3.00	1	1	230080	26.0000	F2
##	195	${\tt female}$	44.00	0	0	PC 17610	27.7208	B4
##	196	${\tt female}$	58.00	0	0	PC 17569	146.5208	B80
##	199	${\tt female}$	NA	0	0	370370	7.7500	
##	205	male	18.00	0	0	A/5 3540	8.0500	
##	208	male	26.00	0	0	2699	18.7875	
##	209	female	16.00	0	0	367231	7.7500	
##	210	male	40.00	0	0	112277	31.0000	A31
		female		0	0	F.C.C. 13528	21.0000	
		female		1	0		113.2750	D36
		female		0	0	STON/02. 3101283	7.9250	
		female		0	0	11813	76.2917	D15
	221		16.00	0	0	SOTON/OQ 392089	8.0500	
	225	male		1	0	19943	90.0000	C93
	227		19.00	0	0	SW/PP 751	10.5000	
		female		1	0	36973		C83
		female		4	2	347077	31.3875	
		female	8.00	0	2	C.A. 31921	26.2500	
		female	NA	1	0	367230	15.5000	
		female		0	2	250649		Dac
	249		37.00	1	1	11751		D35
		female		0	2	2650	15.2458	
		female	NA	0	0	PC 17585		D77
		female female		0	0	110152 PC 17755		B77
				0	0			
		female		0	1	230433		
	262268	male male	3.00 25.00	4 1	2 0	347077 347083	31.3875 7.7750	
		female		0	1	PC 17582		C125
		female		0	0	PC 17562 PC 17760		C125
	272		25.00	0	0	LINE		099
		female		0	1	250644		
		female	NA	0	0	370375		
		female		1	0	13502	77.9583	D7
π π	210	1 CHICLE	55.00	_	U	10002	11.5000	וע

##	280	female	35 00	1	1	C.A. 2673	20.2500	
	284		19.00	0	0	A/5. 10482	8.0500	
	287		30.00	0	0	345774	9.5000	
	289		42.00	0	0	237798	13.0000	
		female		0	0	370373	7.7500	
		female		0	0	19877	78.8500	
		female		1	0	11967	91.0792	B49
	299	male	NA	0	0	19988	30.5000	C106
		female		0	1	PC 17558		B58 B60
		female	NA	0	0	9234	7.7500	D00 D00
	302	male	NA	2	0	367226		
		female	NA	0	0	226593		E101
	306	male	0.92	1	2		151.5500	C22 C26
		female	NA	0	0		110.8833	022 020
##		female		1	0	PC 17758		C65
		female		0	0	PC 17485	56.9292	E36
##		female		0	0	11767	83.1583	C54
		female		2	2			B57 B59 B63 B66
		female		0	0	347470	7.8542	DOT DOD DOO DOO
		female		1	0	244367	26.0000	
		female		0	2		164.8667	C7
		female		1	1		134.5000	E34
		female		0	0	234818	12.3500	201
		female		1	1	248738	29.0000	
		female		0	0	PC 17760		C32
		female		0	0	28551	13.0000	D
		female		1	1	363291		_
		female		0	1	111361		B18
		female	NA	2	0	367226	23.2500	
		female	NA	1	0	PC 17611		
##		female	41.00	0	0	16966	134.5000	E40
##	339	male	45.00	0	0	7598	8.0500	
##	341	male	2.00	1	1	230080	26.0000	F2
##	342	female	24.00	3	2	19950	263.0000	C23 C25 C27
##	346	female	24.00	0	0	248733	13.0000	F33
##	347	female	40.00	0	0	31418	13.0000	
##	348	female	NA	1	0	386525	16.1000	
##	349	male	3.00	1	1	C.A. 37671	15.9000	
##	357	female	22.00	0	1	113505	55.0000	E33
##	359	female	NA	0	0	330931	7.8792	
##	360	${\tt female}$	NA	0	0	330980	7.8792	
##	367	${\tt female}$	60.00	1	0	110813	75.2500	D37
##	368	${\tt female}$	NA	0	0	2626	7.2292	
##	369	${\tt female}$	NA	0	0	14313	7.7500	
##	370	${\tt female}$	24.00	0	0	PC 17477	69.3000	B35
##	371	male	25.00	1	0	11765	55.4417	E50
##	376	${\tt female}$	NA	1	0	PC 17604	82.1708	
##		${\tt female}$		0	0	C 7077	7.2500	
##	381	${\tt female}$	42.00	0	0	PC 17757	227.5250	
		${\tt female}$	1.00	0	2	2653	15.7417	
		${\tt female}$		1	0	113789	52.0000	
		${\tt female}$		0	0	27849		
##	390	female		0	0	SC 1748	12.0000	
##	391	male	36.00	1	2	113760	120.0000	B96 B98

##	392	male	21.00	0	0	350034	7.7958	
		female		1	0		113.2750	D36
		female		0	2	PP 9549	16.7000	G6
##	400	female	28.00	0	0	240929	12.6500	
##	401	male	39.00	0	0	STON/O 2. 3101289	7.9250	
##	408	male	3.00	1	1	29106	18.7500	
##	413	female	33.00	1	0	19928	90.0000	C78
##	415	male	44.00	0	0	STON/O 2. 3101269	7.9250	
##	417	female	34.00	1	1	28220	32.5000	
##	418	${\tt female}$	18.00	0	2	250652	13.0000	
##	427	${\tt female}$	28.00	1	0	2003	26.0000	
##	428	${\tt female}$	19.00	0	0	250655	26.0000	
##	430	male	32.00	0	0	SOTON/O.Q. 392078	8.0500	E10
##	431	male	28.00	0	0	110564	26.5500	C52
##	432	${\tt female}$	NA	1	0	376564	16.1000	
##	433	${\tt female}$	42.00	1	0	SC/AH 3085	26.0000	
##	436	${\tt female}$	14.00	1	2	113760	120.0000	B96 B98
##	438	${\tt female}$	24.00	2	3	29106	18.7500	
##	441	${\tt female}$	45.00	1	1	F.C.C. 13529	26.2500	
##	444	${\tt female}$	28.00	0	0	230434	13.0000	
##	445	male	NA	0	0	65306	8.1125	
##	446	male	4.00	0	2	33638	81.8583	A34
##	447	${\tt female}$	13.00	0	1	250644	19.5000	
##	448	male	34.00	0	0	113794	26.5500	
##	449	female	5.00	2	1	2666	19.2583	
##	450	male	52.00	0	0	113786	30.5000	C104
##	454	male	49.00	1	0	17453	89.1042	C92
##	456	male	29.00	0	0	349240	7.8958	
		female	NA	1	0	17464	51.8625	D21
		female		0	0	F.C.C. 13531	10.5000	
	461		48.00	0	0	19952	26.5500	E12
		female		2	1	2666	19.2583	
		female		1	2	C.A. 34651	27.7500	_
		female		0	0	SC/AH Basle 541	13.7917	D
		female		0	1	3101298	12.2875	
		female		0	0	4134	9.5875	7.40
	485		25.00	1	0	11967	91.0792	B49
		female		1	0	19943	90.0000	C93
	490		9.00	1	1	C.A. 37671	15.9000	DOO
		female		1	0	36947	78.2667	D20
		female		0	0	110152	86.5000	В79
		female		0	2	26360	26.0000	
	508	male	NA	0	0	111427	26.5500	
	510		26.00	0	0	1601	56.4958	
	511 513		29.00 36.00	0	0	382651 PC 17473	7.7500 26.2875	E25
								E25
		female female		1 0	0	PC 17603 C.A. 34260	59.4000 10.5000	F33
		female		1	0	226875	26.0000	661
		female		0	0	12749	93.5000	B73
		female		0	1	111361	57.9792	B18
		female		0	0	W./C. 14258	10.5000	р10
		female	2.00	1	1	26360	26.0000	
		female	NA	0	2	2668	22.3583	
πĦ	004	TOWATE	IVA	J	۷	2000	22.0000	

##	536	female	7.00	0	2	F.C.C. 13529	26.2500	
##	538	female	30.00	0	0	PC 17761		
##	540	female	22.00	0	2	13568	49.5000	B39
##	541	female	36.00	0	2	WE/P 5735	71.0000	B22
##	544	male	32.00	1	0	2908	26.0000	
##	547	female	19.00	1	0	2908	26.0000	
##	548	male	NA	0	0	SC/PARIS 2146	13.8625	
##	550	male	8.00	1	1	C.A. 33112	36.7500	
##	551	male	17.00	0	2	17421	110.8833	C70
##	554	male	22.00	0	0	2620	7.2250	
##	555	female	22.00	0	0	347085	7.7750	
##	557	female	48.00	1	0	11755	39.6000	A16
##	559	female	39.00	1	1	110413	79.6500	E67
##	560	female	36.00	1	0	345572	17.4000	
##	570	male	32.00	0	0	350417	7.8542	
##	571	male	62.00	0	0	S.W./PP 752	10.5000	
##	572	female	53.00	2	0	11769	51.4792	C101
##	573	male	36.00	0	0	PC 17474	26.3875	E25
##	574	${\tt female}$	NA	0	0	14312	7.7500	
##	577	${\tt female}$	34.00	0	0	243880	13.0000	
##	578	${\tt female}$	39.00	1	0	13507	55.9000	E44
##	580	male	32.00	0	0	STON/O 2. 3101286	7.9250	
##	581	${\tt female}$	25.00	1	1	237789	30.0000	
##	582	${\tt female}$	39.00	1	1	17421	110.8833	C68
##	586	${\tt female}$	18.00	0	2	110413	79.6500	E68
##	588	male	60.00	1	1	13567	79.2000	B41
##	592	${\tt female}$	52.00	1	0	36947	78.2667	D20
##	597	female	NA	0	0	248727	33.0000	
	600		49.00	1	0	PC 17485	56.9292	A20
		female		2	1	243847	27.0000	
	605		35.00	0	0	111426	26.5500	
	608		27.00	0	0	113804	30.5000	
		female		1	2	SC/Paris 2123	41.5792	
		female	40.00	0	0	PC 17582		C125
		female	NA	1	0	367230	15.5000	
		female		1	2	220845	65.0000	
		female	4.00	2	1	230136	39.0000	F4
	622		42.00	1	0	11753	52.5542	D19
	623		20.00	1	1	2653	15.7417	70
		female		0	0	13502		D9
	631		80.00	0	0	27042		A23
	633		32.00	0	0	13214	30.5000	B50
		female		0	0	237668	13.0000	Dac
		female		0	0	PC 17477	69.3000	B35
	644	male	NA o 75	0	0	1601	56.4958	
		female		2	1	2666	19.2583	D33
	646		48.00	1	0	PC 17572		D33
			56.00	0	0	13213		A26
		female female		0	0	CA. 2314	7.5500	
		female	18.00 NA	0	0	231919 330919	23.0000 7.8292	
	661		50.00	2	0		133.6500	
	665		20.00	1	0	STON/O 2. 3101285	7.9250	
		female	20.00 NA	1	0	19996		C126
##	010	Temate	IVA	1	U	13330	02.0000	0120

##	671	female	40.00	1	1	29750	39.0000	
	674		31.00	0	0	244270	13.0000	
##	678	female	18.00	0	0	4138	9.8417	
##	680	male	36.00	0	1	PC 17755	512.3292	B51 B53 B55
##	682	male	27.00	0	0	PC 17572	76.7292	D49
##	690	female	15.00	0	1	24160	211.3375	В5
##	691	male	31.00	1	0	17474	57.0000	B20
##	692	female	4.00	0	1	349256	13.4167	
##	693	male	NA	0	0	1601	56.4958	
##	698	female	NA	0	0	35852	7.7333	
##	701	female	18.00	1	0	PC 17757	227.5250	C62 C64
##	702	male	35.00	0	0	PC 17475	26.2875	E24
##	707	female	45.00	0	0	223596	13.5000	
##	708	male	42.00	0	0	PC 17476	26.2875	E24
##	709	female	22.00	0	0	113781	151.5500	
##	710	male	NA	1	1	2661	15.2458	
##	711	female	24.00	0	0	PC 17482	49.5042	C90
##	713	male	48.00	1	0	19996	52.0000	C126
##	717	female	38.00	0	0	PC 17757	227.5250	C45
##	718	female	27.00	0	0	34218	10.5000	E101
##	721	female	6.00	0	1	248727	33.0000	
##	725	male	27.00	1	0	113806	53.1000	E8
##	727	${\tt female}$	30.00	3	0	31027	21.0000	
##	728	${\tt female}$	NA	0	0	36866	7.7375	
##	731	${\tt female}$	29.00	0	0	24160	211.3375	B5
##	738	male	35.00	0	0	PC 17755	512.3292	B101
##	741	male	NA	0	0	16988	30.0000	D45
##	743	female	21.00	2	2	PC 17608	262.3750	B57 B59 B63 B66
## ##	743 745		21.00 31.00	2 0		PC 17608 STON/O 2. 3101288	262.3750 7.9250	B57 B59 B63 B66
	745		31.00					B57 B59 B63 B66
##	745 748	male	31.00	0	0	STON/O 2. 3101288	7.9250	B57 B59 B63 B66
## ##	745 748	male female	31.00 30.00	0 0	0	STON/O 2. 3101288 250648	7.9250 13.0000	B57 B59 B63 B66 E121
## ## ##	745 748 751 752	male female female	31.00 30.00 4.00 6.00	0 0 1	0 0 1	STON/O 2. 3101288 250648 29103	7.9250 13.0000 23.0000	
## ## ## ##	745 748 751 752 755 756	male female female male female male	31.00 30.00 4.00 6.00 48.00 0.67	0 0 1 0	0 0 1 1	STON/O 2. 3101288 250648 29103 392096	7.9250 13.0000 23.0000 12.4750	
## ## ## ##	745 748 751 752 755 756	male female female male female male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00	0 0 1 0	0 0 1 1 2	STON/O 2. 3101288 250648 29103 392096 220845	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000	
## ## ## ## ## ##	745 748 751 752 755 756 760 763	male female female male female male female male	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00	0 0 1 0 1 1 0	0 0 1 1 2 1 0	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292	E121 B77
## ## ## ## ## ##	745 748 751 752 755 756 760 763 764	male female female female female male female female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00	0 0 1 0 1 1 0 0	0 0 1 1 2 1 0	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000	E121 B77 B96 B98
## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766	male female male female male female female female female female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00	0 0 1 0 1 1 0 0 1	0 0 1 1 2 1 0 0 2	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760 13502	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583	E121 B77
## ## ## ## ## ## ##	745 748 751 752 755 766 760 763 764 766 775	male female male female male female female female female female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00	0 0 1 0 1 1 0 0 1 1	0 0 1 1 2 1 0 0 2 0 3	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760 13502 29105	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000	E121 B77 B96 B98
## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 778	male female female female female female female female female female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00	0 0 1 0 1 1 0 0 1 1 1 1	0 0 1 1 2 1 0 0 2 0 3	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760 13502 29105 364516	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750	E121 B77 B96 B98 D11
## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 778 780	male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 43.00	0 0 1 0 1 1 0 0 1 1 1 1 0	0 0 1 1 2 1 0 0 2 0 3 0 1	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760 13502 29105 364516 24160	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375	E121 B77 B96 B98
## ## ## ## ## ## ## ##	745 748 751 752 755 766 760 763 764 766 775 778 780 781	male female male female male female female female female female female female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 43.00 13.00	0 0 1 0 1 1 0 0 1 1 1 0 0	0 0 1 1 2 1 0 0 2 0 3 0 1	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760 13502 29105 364516 24160 2687	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292	E121 B77 B96 B98 D11
## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 778 780 781 782	male female male female male female female female female female female female female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 43.00 13.00 17.00	0 0 1 0 1 1 0 0 0 1 1 1 0 0 0	0 0 1 1 2 1 0 0 2 0 3 0 1 0	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760 13502 29105 364516 24160 2687 17474	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000	E121 B77 B96 B98 D11
## ## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 778 780 781 782 787	male female male female male female female female female female female female female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 43.00 13.00 17.00 18.00	0 0 1 0 1 1 0 0 0 1 1 1 0 0 0	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0	STON/O 2. 3101288 250648 29103 392096 220845 250649 110152 2663 113760 13502 29105 364516 24160 2687 17474 3101265	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958	E121 B77 B96 B98 D11
## ## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 778 780 781 782 787 789	male female male female male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 53.00 13.00 17.00 18.00 1.00	0 0 1 0 1 1 0 0 0 1 1 1 0 0 0 1	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750	E121 B77 B96 B98 D11 B3 B20
## ## ## ## ## ## ## ## ## ##	745 748 751 752 755 766 760 763 764 766 775 778 780 781 782 787 789 797	male female male female male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 5.00 43.00 13.00 17.00 18.00 49.00	0 0 1 0 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292	E121 B77 B96 B98 D11
## ## ## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 780 781 782 787 789 797	male female male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 51.00 54.00 5.00 43.00 17.00 18.00 1.00 49.00 31.00	0 0 1 0 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292 8.6833	E121 B77 B96 B98 D11 B3 B20
## ## ## ## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 780 781 782 787 789 797 798 802	male female male female male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 43.00 17.00 18.00 17.00 49.00 31.00	0 0 1 0 1 1 0 0 0 1 1 0 0 0 1 0 0 1	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2 0 0 0 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292 8.6833 26.2500	E121 B77 B96 B98 D11 B3 B20 D17
## ## ## ## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 780 781 782 787 789 797 798 802 803	male female male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 13.00 17.00 18.00 1.00 49.00 31.00 31.00	0 0 1 0 1 1 0 0 0 1 1 0 0 0 1 0 0 1 0 0 0 1	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292 8.6833 26.2500 120.0000	E121 B77 B96 B98 D11 B3 B20
## ### ## ## ## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 780 781 782 787 789 797 798 802 803 804	male female male female male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 13.00 17.00 18.00 1.00 49.00 31.00 31.00 11.00 0.42	0 0 1 0 1 1 0 0 0 1 1 0 0 0 1 0 0 1 0 0 1	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292 8.6833 26.2500 120.0000 8.5167	E121 B77 B96 B98 D11 B3 B20 D17
## ## ## ## ## ## ## ## ## ## ## ## ##	745 748 751 752 755 756 760 763 764 766 775 780 781 782 787 789 797 798 802 803 804 805	male female male female male male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 13.00 17.00 18.00 1.00 49.00 31.00 31.00 0.42 27.00	0 0 1 0 1 1 0 0 0 1 1 0 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2 0 0 0 1 0 0 0 0 0 1 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292 8.6833 26.2500 120.0000 8.5167 6.9750	E121 B77 B96 B98 D11 B3 B20 D17 B96 B98
######################################	745 748 751 752 755 766 760 763 764 766 775 780 781 782 787 789 797 798 802 803 804 805 810	male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 13.00 17.00 18.00 1.00 49.00 31.00 31.00 0.42 27.00 33.00	0 0 1 0 1 1 0 0 0 1 1 0 0 0 1 0 1 0 0 1 0 0 1 0 0 0 0 1	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292 8.6833 26.2500 120.0000 8.5167 6.9750 53.1000	E121 B77 B96 B98 D11 B3 B20 D17 B96 B98 E8
######################################	745 748 751 752 755 766 760 763 764 766 775 780 781 782 787 789 797 798 802 803 804 805 810	male female	31.00 30.00 4.00 6.00 48.00 0.67 33.00 20.00 36.00 51.00 54.00 13.00 17.00 18.00 1.00 49.00 31.00 31.00 0.42 27.00 33.00	0 0 1 0 1 1 0 0 0 1 1 0 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0	0 0 1 1 2 1 0 0 2 0 3 0 1 0 0 0 2 0 0 0 1 0 0 0 0 0 1 0 0	STON/O 2. 3101288	7.9250 13.0000 23.0000 12.4750 65.0000 14.5000 86.5000 7.2292 120.0000 77.9583 23.0000 12.4750 211.3375 7.2292 57.0000 7.4958 20.5750 25.9292 8.6833 26.2500 120.0000 8.5167 6.9750	E121 B77 B96 B98 D11 B3 B20 D17 B96 B98

##	824	female	27.00	0	1	392096	12.4750	E121
##	828	male	1.00	0	2	S.C./PARIS 2079	37.0042	
##	829	${\tt male}$	NA	0	0	367228	7.7500	
##	830	${\tt female}$	62.00	0	0	113572	80.0000	B28
##	831	${\tt female}$	15.00	1	0	2659	14.4542	
##	832	${\tt male}$	0.83	1	1	29106	18.7500	
##	836	female		1	1	PC 17756	83.1583	E49
	839		32.00	0	0	1601	56.4958	
	840	male	NA	0	0	11774	29.7000	C47
		female		0	0	113798		
		female	NA	1	0	17453		C92
		female		0	1	PC 17592	39.4000	D28
		female		0	1	392091	9.3500	
		female		1	1		164.8667	
	858		51.00	0	0	113055	26.5500	E17
		female		0	3	2666	19.2583	D.4.7
		female		0	0	17466	25.9292	D17
		female		0	0	236852	13.0000	
		female		1	0	SC/PARIS 2149		
	870	male		1	1	347742	11.1333	מסר
		female female		1	1	11751	52.5542 24.0000	D35
		female		1	0	P/PP 3381		
		female		0	0 1	2667 11767	7.2250 83.1583	C50
		female		0 0	1	230433	26.0000	650
		female		0	0	112053		B42
	890		26.00	0	0	111369		C148
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## ## ## ##	3 4 9 10 11		S S C					
## ## ## ## ##	3 4 9 10 11		\$ \$ \$ \$ \$ \$					
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## ## ## ## ## ##	3 4 9 10 11 12 16 18 20		S S S C S S S S S					
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## ## ## ## ## ## ## ## ## ## ## ## ##	3 4 9 10 11 12 16 18 20 22 23 24 26 29 32 33 37 40		5 5 5 C 5 5 5 5 5 C 5 C 5 C 5 C 5 C 5 C					
## ## ## ## ## ## ## ## ## ##	3 4 9 10 11 12 16 18 20 22 23 24 26 29 32 33 37 40 44		5 5 5 C 5 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6					
## ## ## ## ## ## ## ## ## ## ## ## ##	3 4 9 10 11 12 16 18 20 22 23 24 26 29 32 33 37 40 44 45		5 5 5 C 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					
## ## ## ## ## ## ## ## ## ## ## ## ##	3 4 9 10 11 12 16 18 20 22 23 24 26 29 32 33 37 40 44 45 48							
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## 888
               С
## 890
dead <- subset(DataTitanic, Survived == 0)</pre>
dead
##
       PassengerId Survived Pclass
## 1
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                  1
## 5
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                                    3
## 6
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                                    3
## 7
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## 76	5	765	0	3
## 76	7	767	0	1
## 76		768	0	3
## 76		769	0	3
## 77		770	0	3
## 77		771	0	3
## 77	2	772	0	3
## 77	3	773	0	2
## 77	4	774	0	3
## 77		776	0	3
			0	3
		777		
## 77		779	0	3
## 78		783	0	1
## 78	4	784	0	3
## 78	5	785	0	3
## 78		786	0	3
## 78		788	0	3
		790	0	1
## 79		791	0	3
## 79		792	0	2
## 79	3	793	0	3
## 79	4	794	0	1
## 79		795	0	3
## 79		796	0	2
## 19	U	1 30	U	_

шш	700	700	^	2
##	799	799	0	3
##	800	800	0	3
##	801	801	0	2
##	806	806	0	3
##	807	807	0	1
##	808	808	0	3
##	809	809	0	2
##	811	811	0	3
##	812	812	0	3
##	813	813	0	2
##	814	814	0	3
##	815	815	0	3
##	816	816	0	1
##	817	817	0	3
##	818	818	0	2
##	819	819	0	3
##	820	820	0	3
##	823	823	0	1
##	825	825	0	3
##	826	826	0	3
##	827	827	0	3
##	833	833	0	3
##	834	834	0	3
##	835	835	0	3
##	837	837	0	3
##	838	838	0	3
##	841	841	0	3
##	842	842	0	2
##	844	844	0	3
##	845	845	0	3
##	846	846	0	3
##	847	847	0	3
##	848	848	0	3
##	849	849	0	2
##	851	851	0	3
##	852	852	0	3
##	853	853	0	3
##	855	855	0	2
##	860	860	0	3
##	861	861	0	3
##	862	862	0	2
##	864	864	0	3
##	865	865	0	2
##	868	868	0	1
##	869	869	0	3
##	871	871	0	3
##	873	873	0	1
##	874	874	0	3
##	877	877	0	3
##	878	878	0	3
##	879	879	0	3
##	882	879 882	0	3
##	883	883	0	3
##	884	884	0	2
##	004	004	U	2

```
## 885
                885
                           0
## 886
                886
                           0
                                   3
## 887
                887
                           0
                                   2
                           0
                                   3
## 889
                889
## 891
                891
                           0
                                   3
##
                                                               Name
                                                                        Sex Age SibSp
## 1
                                           Braund, Mr. Owen Harris
                                                                       male 22.0
## 5
                                          Allen, Mr. William Henry
                                                                       male 35.0
                                                                                      0
## 6
                                                   Moran, Mr. James
                                                                       male
                                                                              NA
                                                                                      0
## 7
                                           McCarthy, Mr. Timothy J
                                                                       male 54.0
                                                                                      0
## 8
                                    Palsson, Master. Gosta Leonard
                                                                       male 2.0
                                                                                      3
## 13
                                    Saundercock, Mr. William Henry
                                                                       male 20.0
                                                                                      0
## 14
                                       Andersson, Mr. Anders Johan
                                                                       male 39.0
                                                                                      1
                             Vestrom, Miss. Hulda Amanda Adolfina female 14.0
## 15
## 17
                                              Rice, Master. Eugene
                                                                       male 2.0
                                                                                      4
## 19
         Vander Planke, Mrs. Julius (Emelia Maria Vandemoortele) female 31.0
## 21
                                              Fynney, Mr. Joseph J
                                                                       male 35.0
                                                                                      0
## 25
                                     Palsson, Miss. Torborg Danira female
                                                                                      3
## 27
                                           Emir, Mr. Farred Chehab
                                                                                      0
                                                                       male
                                                                              NA
## 28
                                    Fortune, Mr. Charles Alexander
                                                                       male 19.0
                                                                                      3
## 30
                                               Todoroff, Mr. Lalio
                                                                       male
                                                                              NΑ
                                                                                      0
## 31
                                          Uruchurtu, Don. Manuel E
                                                                       male 40.0
## 34
                                             Wheadon, Mr. Edward H
                                                                       male 66.0
                                                                                      0
## 35
                                           Meyer, Mr. Edgar Joseph
                                                                       male 28.0
## 36
                                    Holverson, Mr. Alexander Oskar
                                                                       male 42.0
## 38
                                          Cann, Mr. Ernest Charles
                                                                       male 21.0
                                                                                      0
## 39
                               Vander Planke, Miss. Augusta Maria female 18.0
                                                                                      2
## 41
                   Ahlin, Mrs. Johan (Johanna Persdotter Larsson) female 40.0
                                                                                      1
## 42
        Turpin, Mrs. William John Robert (Dorothy Ann Wonnacott) female 27.0
                                                                                      1
## 43
                                               Kraeff, Mr. Theodor
                                                                                      0
                                                                       male
                                                                              NA
## 46
                                          Rogers, Mr. William John
                                                                       male
                                                                              NA
                                                                                      0
## 47
                                                  Lennon, Mr. Denis
                                                                       male
                                                                              NΑ
                                                                                      1
## 49
                                               Samaan, Mr. Youssef
                                                                       male
## 50
                    Arnold-Franchi, Mrs. Josef (Josefine Franchi) female 18.0
                                                                                      1
                                                                       male 7.0
## 51
                                        Panula, Master. Juha Niilo
                                                                                      4
## 52
                                      Nosworthy, Mr. Richard Cater
                                                                       male 21.0
                                                                                      0
## 55
                                    Ostby, Mr. Engelhart Cornelius
                                                                       male 65.0
## 58
                                               Novel, Mr. Mansouer
                                                                       male 28.5
                                                                                      0
## 60
                               Goodwin, Master. William Frederick
                                                                       male 11.0
## 61
                                             Sirayanian, Mr. Orsen
                                                                       male 22.0
                                                                                      0
## 63
                                       Harris, Mr. Henry Birkhardt
                                                                       male 45.0
                                                                                      1
## 64
                                                                                      3
                                             Skoog, Master. Harald
                                                                       male 4.0
## 65
                                             Stewart, Mr. Albert A
                                                                       male
                                                                              NA
                                                                                      0
## 68
                                                                       male 19.0
                                                                                      0
                                          Crease, Mr. Ernest James
## 70
                                                 Kink, Mr. Vincenz
                                                                       male 26.0
                                                                                      2
## 71
                                        Jenkin, Mr. Stephen Curnow
                                                                       male 32.0
                                                                                      0
## 72
                                        Goodwin, Miss. Lillian Amy female 16.0
                                                                                      5
## 73
                                              Hood, Mr. Ambrose Jr
                                                                       male 21.0
                                                                                      0
## 74
                                       Chronopoulos, Mr. Apostolos
                                                                       male 26.0
                                                                                      1
## 76
                                           Moen, Mr. Sigurd Hansen
                                                                       male 25.0
                                                                                      0
## 77
                                                  Staneff, Mr. Ivan
                                                                       male
                                                                              NΑ
                                                                                      0
## 78
                                          Moutal, Mr. Rahamin Haim
                                                                       male
                                                                              NA
                                                                                      0
## 81
                                              Waelens, Mr. Achille
                                                                       male 22.0
                                                                                      0
## 84
                                           Carrau, Mr. Francisco M
                                                                       male 28.0
```

```
## 87
                                            Ford, Mr. William Neal
                                                                      male 16.0
## 88
                                    Slocovski, Mr. Selman Francis
                                                                      male
                                                                             NA
                                                                                    0
## 90
                                            Celotti, Mr. Francesco
                                                                      male 24.0
## 91
                                              Christmann, Mr. Emil
                                                                      male 29.0
                                                                                    0
## 92
                                       Andreasson, Mr. Paul Edvin
                                                                      male 20.0
## 93
                                      Chaffee, Mr. Herbert Fuller
                                                                      male 46.0
## 94
                                                                      male 26.0
                                          Dean, Mr. Bertram Frank
                                                 Coxon, Mr. Daniel
## 95
                                                                      male 59.0
                                                                                    0
## 96
                                      Shorney, Mr. Charles Joseph
                                                                      male
                                                                             NA
                                                                                    0
## 97
                                        Goldschmidt, Mr. George B
                                                                      male 71.0
## 100
                                                 Kantor, Mr. Sinai
                                                                      male 34.0
                                                                                    1
## 101
                                          Petranec, Miss. Matilda female 28.0
                                                                                    0
                                 Petroff, Mr. Pastcho ("Pentcho")
## 102
                                                                      male
                                                                             NA
                                                                                    0
## 103
                                        White, Mr. Richard Frasar
                                                                      male 21.0
## 104
                                        Johansson, Mr. Gustaf Joel
                                                                      male 33.0
                                                                                    0
## 105
                                   Gustafsson, Mr. Anders Vilhelm
                                                                      male 37.0
## 106
                                            Mionoff, Mr. Stoytcho
                                                                      male 28.0
                                                                                    0
## 109
                                                   Rekic, Mr. Tido
                                                                      male 38.0
## 111
                                   Porter, Mr. Walter Chamberlain
                                                                      male 47.0
                                                                                    0
## 112
                                              Zabour, Miss. Hileni female 14.5
## 113
                                           Barton, Mr. David John
                                                                      male 22.0
                                                                                    0
## 114
                                          Jussila, Miss. Katriina female 20.0
## 115
                                             Attalah, Miss. Malake female 17.0
## 116
                                            Pekoniemi, Mr. Edvard
                                                                      male 21.0
## 117
                                             Connors, Mr. Patrick
                                                                      male 70.5
## 118
                                  Turpin, Mr. William John Robert
                                                                      male 29.0
                                                                                    1
## 119
                                         Baxter, Mr. Quigg Edmond
                                                                      male 24.0
                                                                                    0
## 120
                                Andersson, Miss. Ellis Anna Maria female 2.0
                                                                                    4
## 121
                                      Hickman, Mr. Stanley George
                                                                      male 21.0
## 122
                                       Moore, Mr. Leonard Charles
                                                                      male
                                                                             NA
## 123
                                              Nasser, Mr. Nicholas
                                                                      male 32.5
## 125
                                      White, Mr. Percival Wayland
                                                                      male 54.0
                                                                                    0
## 127
                                               McMahon, Mr. Martin
                                                                      male
                                                                             NA
## 130
                                                Ekstrom, Mr. Johan
                                                                      male 45.0
                                                                                    0
## 131
                                              Drazenoic, Mr. Jozef
                                                                      male 33.0
## 132
                                   Coelho, Mr. Domingos Fernandeo
                                                                      male 20.0
                                                                                    0
## 133
                  Robins, Mrs. Alexander A (Grace Charity Laury) female 47.0
## 135
                                   Sobey, Mr. Samuel James Hayden
                                                                      male 25.0
                                                                                    0
## 136
                                                Richard, Mr. Emile
                                                                      male 23.0
## 138
                                      Futrelle, Mr. Jacques Heath
                                                                      male 37.0
## 139
                                               Osen, Mr. Olaf Elon
                                                                      male 16.0
## 140
                                                Giglio, Mr. Victor
                                                                      male 24.0
                                                                                    0
## 141
                                    Boulos, Mrs. Joseph (Sultana) female
                                                                             NA
                                                                                    0
## 144
                                               Burke, Mr. Jeremiah
                                                                      male 19.0
                                                                                    0
## 145
                                       Andrew, Mr. Edgardo Samuel
                                                                      male 18.0
                                     Nicholls, Mr. Joseph Charles
## 146
                                                                      male 19.0
                                                                                    1
## 148
                                 Ford, Miss. Robina Maggie "Ruby" female 9.0
                                                                                    2
## 149
                         Navratil, Mr. Michel ("Louis M Hoffman")
                                                                      male 36.5
## 150
                                Byles, Rev. Thomas Roussel Davids
                                                                      male 42.0
                                                                                    0
                                                                      male 51.0
## 151
                                       Bateman, Rev. Robert James
                                                                                    0
                                                  Meo, Mr. Alfonzo
## 153
                                                                      male 55.5
                                                                                    0
## 154
                                  van Billiard, Mr. Austin Blyler
                                                                      male 40.5
## 155
                                             Olsen, Mr. Ole Martin
                                                                      male
                                                                             NA
                                                                                    0
## 156
                                      Williams, Mr. Charles Duane
                                                                      male 51.0
```

```
Corn, Mr. Harry
## 158
                                                                      male 30.0
## 159
                                               Smiljanic, Mr. Mile
                                                                      male
                                                                             NA
                                                                                     0
                                        Sage, Master. Thomas Henry
## 160
                                                                      male
                                                                                     8
## 161
                                          Cribb, Mr. John Hatfield
                                                                                     0
                                                                      male 44.0
## 163
                                        Bengtsson, Mr. John Viktor
                                                                      male 26.0
## 164
                                                   Calic, Mr. Jovo
                                                                      male 17.0
## 165
                                     Panula, Master. Eino Viljami
                                                                      male 1.0
## 168
                 Skoog, Mrs. William (Anna Bernhardina Karlsson) female 45.0
                                                                                     1
## 169
                                               Baumann, Mr. John D
                                                                      male
                                                                             NA
                                                                                     0
## 170
                                                     Ling, Mr. Lee
                                                                      male 28.0
                                                                                     0
## 171
                                         Van der hoef, Mr. Wyckoff
                                                                      male 61.0
## 172
                                              Rice, Master. Arthur
                                                                      male 4.0
                                                                                     4
## 174
                                         Sivola, Mr. Antti Wilhelm
                                                                      male 21.0
                                                                                     0
                                           Smith, Mr. James Clinch
                                                                      male 56.0
## 175
## 176
                                            Klasen, Mr. Klas Albin
                                                                      male 18.0
## 177
                                    Lefebre, Master. Henry Forbes
                                                                      male
                                                                                     3
## 178
                                        Isham, Miss. Ann Elizabeth female 50.0
                                                                                     0
## 179
                                                Hale, Mr. Reginald
                                                                      male 30.0
                                               Leonard, Mr. Lionel
## 180
                                                                      male 36.0
                                                                                     0
## 181
                                     Sage, Miss. Constance Gladys female
                                                                                     8
## 182
                                                  Pernot, Mr. Rene
                                                                      male
                                                                             NΑ
                                                                                     Λ
## 183
                            Asplund, Master. Clarence Gustaf Hugo
                                                                      male
                                                                            9.0
## 186
                                             Rood, Mr. Hugh Roscoe
                                                                      male
                                                                             NA
                                                                                     0
                                                  Bourke, Mr. John
## 189
                                                                      male 40.0
## 190
                                               Turcin, Mr. Stjepan
                                                                      male 36.0
## 192
                                             Carbines, Mr. William
                                                                      male 19.0
                                                                                     0
## 197
                                               Mernagh, Mr. Robert
                                                                      male
                                                                             NA
                                                                                     0
## 198
                                 Olsen, Mr. Karl Siegwart Andreas
                                                                      male 42.0
                                                                                     0
## 200
                           Yrois, Miss. Henriette ("Mrs Harbeck") female 24.0
## 201
                                   Vande Walle, Mr. Nestor Cyriel
                                                                      male 28.0
## 202
                                               Sage, Mr. Frederick
                                                                      male
                                                                                     8
## 203
                                        Johanson, Mr. Jakob Alfred
                                                                      male 34.0
                                                                                     0
## 204
                                              Youseff, Mr. Gerious
                                                                      male 45.5
## 206
                                        Strom, Miss. Telma Matilda female 2.0
                                                                                     0
## 207
                                        Backstrom, Mr. Karl Alfred
                                                                      male 32.0
## 211
                                                    Ali, Mr. Ahmed
                                                                      male 24.0
                                                                                     0
## 213
                                            Perkin, Mr. John Henry
                                                                      male 22.0
## 214
                                      Givard, Mr. Hans Kristensen
                                                                      male 30.0
                                                                                     0
## 215
                                               Kiernan, Mr. Philip
                                                                      male
                                                                             NA
## 218
                                      Jacobsohn, Mr. Sidney Samuel
                                                                      male 42.0
## 220
                                                Harris, Mr. Walter
                                                                      male 30.0
## 222
                                              Bracken, Mr. James H
                                                                      male 27.0
                                                                                     0
## 223
                                           Green, Mr. George Henry
                                                                      male 51.0
                                                                                     0
## 224
                                                                      male
                                                                                     0
                                              Nenkoff, Mr. Christo
                                                                             NA
## 226
                                     Berglund, Mr. Karl Ivar Sven
                                                                      male 22.0
## 228
                                  Lovell, Mr. John Hall ("Henry")
                                                                      male 20.5
                                                                                     0
## 229
                                         Fahlstrom, Mr. Arne Jonas
                                                                      male 18.0
                                                                                     0
## 230
                                           Lefebre, Miss. Mathilde female
                                                                                     3
## 232
                                         Larsson, Mr. Bengt Edvin
                                                                      male 29.0
                                                                                     0
## 233
                                         Sjostedt, Mr. Ernst Adolf
                                                                      male 59.0
                                                                                     0
## 235
                                Leyson, Mr. Robert William Norman
                                                                      male 24.0
                                                                                     0
## 236
                                     Harknett, Miss. Alice Phoebe female
## 237
                                                 Hold, Mr. Stephen
                                                                      male 44.0
                                                                                     1
                                  Pengelly, Mr. Frederick William
## 239
                                                                      male 19.0
```

```
## 240
                                            Hunt, Mr. George Henry
                                                                      male 33.0
## 241
                                             Zabour, Miss. Thamine female
                                                                             NA
## 243
                                  Coleridge, Mr. Reginald Charles
                                                                      male 29.0
## 244
                                    Maenpaa, Mr. Matti Alexanteri
                                                                      male 22.0
                                                                                     0
## 245
                                              Attalah, Mr. Sleiman
                                                                      male 30.0
## 246
                                      Minahan, Dr. William Edward
                                                                      male 44.0
## 247
                            Lindahl, Miss. Agda Thorilda Viktoria female 25.0
## 250
                                    Carter, Rev. Ernest Courtenay
                                                                      male 54.0
                                                                                     1
## 251
                                            Reed, Mr. James George
                                                                      male
                                                                             NA
                                                                                     Λ
## 252
                      Strom, Mrs. Wilhelm (Elna Matilda Persson) female 29.0
## 253
                                        Stead, Mr. William Thomas
                                                                      male 62.0
## 254
                                         Lobb, Mr. William Arthur
                                                                      male 30.0
                                                                                     1
## 255
                         Rosblom, Mrs. Viktor (Helena Wilhelmina) female 41.0
                                                                                     0
## 261
                                                 Smith, Mr. Thomas
                                                                      male
## 263
                                                 Taussig, Mr. Emil
                                                                      male 52.0
## 264
                                             Harrison, Mr. William
                                                                      male 40.0
## 265
                                                Henry, Miss. Delia female
                                                                                     0
                                                                             NA
## 266
                                                 Reeves, Mr. David
                                                                      male 36.0
## 267
                                        Panula, Mr. Ernesti Arvid
                                                                      male 16.0
                                                                                     4
## 271
                                             Cairns, Mr. Alexander
                                                                      male
## 274
                                             Natsch, Mr. Charles H
                                                                      male 37.0
                                                                                     Λ
## 277
                                Lindblom, Miss. Augusta Charlotta female 45.0
## 278
                                      Parkes, Mr. Francis "Frank"
                                                                      male
                                                                             NA
                                                                                     0
## 279
                                                Rice, Master. Eric
                                                                      male 7.0
## 281
                                                  Duane, Mr. Frank
                                                                      male 65.0
## 282
                                 Olsson, Mr. Nils Johan Goransson
                                                                      male 28.0
## 283
                                        de Pelsmaeker, Mr. Alfons
                                                                      male 16.0
                                                                                     0
## 285
                                        Smith, Mr. Richard William
                                                                      male
                                                                             NA
                                                                                     0
## 286
                                               Stankovic, Mr. Ivan
                                                                      male 33.0
## 288
                                              Naidenoff, Mr. Penko
                                                                      male 22.0
## 293
                                            Levy, Mr. Rene Jacques
                                                                      male 36.0
## 294
                                               Haas, Miss. Aloisia female 24.0
                                                                                     0
## 295
                                                  Mineff, Mr. Ivan
                                                                      male 24.0
## 296
                                                 Lewy, Mr. Ervin G
                                                                      male
                                                                             NA
                                                                                     0
## 297
                                                Hanna, Mr. Mansour
                                                                      male 23.5
                                                                                     0
## 298
                                     Allison, Miss. Helen Loraine female 2.0
## 303
                                  Johnson, Mr. William Cahoone Jr
                                                                      male 19.0
## 305
                                Williams, Mr. Howard Hugh "Harry"
                                                                      male
                                                                                     0
                                                                             NΑ
## 309
                                               Abelson, Mr. Samuel
                                                                      male 30.0
## 313
                            Lahtinen, Mrs. William (Anna Sylfven) female 26.0
## 314
                                            Hendekovic, Mr. Ignjac
                                                                      male 28.0
## 315
                                                Hart, Mr. Benjamin
                                                                      male 43.0
                                                                                     1
## 318
                                                                      male 54.0
                                              Moraweck, Dr. Ernest
                                                                                     0
## 321
                                                Dennis, Mr. Samuel
                                                                      male 22.0
                                                                                     0
## 322
                                                  Danoff, Mr. Yoto
                                                                      male 27.0
## 325
                                          Sage, Mr. George John Jr
                                                                      male
                                                                                     8
                                                                             NA
## 327
                                        Nysveen, Mr. Johan Hansen
                                                                      male 61.0
                                                                                     0
## 332
                                               Partner, Mr. Austen
                                                                      male 45.5
## 333
                                        Graham, Mr. George Edward
                                                                      male 38.0
                                                                                     0
                                                                                     2
## 334
                                  Vander Planke, Mr. Leo Edmondus
                                                                      male 16.0
## 336
                                                Denkoff, Mr. Mitto
                                                                      male
                                                                             NA
                                                                                     0
## 337
                                        Pears, Mr. Thomas Clinton
                                                                      male 29.0
                                                                      male 45.0
## 340
                                     Blackwell, Mr. Stephen Weart
                                                                                     0
## 343
                                        Collander, Mr. Erik Gustaf
                                                                      male 28.0
```

```
## 344
                       Sedgwick, Mr. Charles Frederick Waddington
                                                                      male 25.0
## 345
                                                                      male 36.0
                                           Fox, Mr. Stanley Hubert
                                                                                     0
## 350
                                                  Dimic, Mr. Jovan
                                                                      male 42.0
## 351
                                            Odahl, Mr. Nils Martin
                                                                      male 23.0
                                                                                     0
## 352
                           Williams-Lambert, Mr. Fletcher Fellows
                                                                      male
                                                                             NA
## 353
                                                Elias, Mr. Tannous
                                                                      male 15.0
## 354
                                         Arnold-Franchi, Mr. Josef
                                                                      male 25.0
                                                 Yousif, Mr. Wazli
## 355
                                                                      male
                                                                             NA
                                                                                     0
                                      Vanden Steen, Mr. Leo Peter
## 356
                                                                      male 28.0
                                                                                     Λ
## 358
                                         Funk, Miss. Annie Clemmer female 38.0
## 361
                                                Skoog, Mr. Wilhelm
                                                                      male 40.0
                                                                                     1
## 362
                                         del Carlo, Mr. Sebastiano
                                                                      male 29.0
                                                                                     1
## 363
                                  Barbara, Mrs. (Catherine David) female 45.0
                                                                                     0
## 364
                                                   Asim, Mr. Adola
                                                                      male 35.0
## 365
                                               O'Brien, Mr. Thomas
                                                                      male
                                                                             NΑ
                                                                                     1
## 366
                                   Adahl, Mr. Mauritz Nils Martin
                                                                      male 30.0
                                                                                     0
## 372
                                         Wiklund, Mr. Jakob Alfred
                                                                      male 18.0
                                                                                     1
## 373
                                        Beavan, Mr. William Thomas
                                                                      male 19.0
## 374
                                               Ringhini, Mr. Sante
                                                                      male 22.0
                                                                                     0
## 375
                                        Palsson, Miss. Stina Viola female 3.0
                                                                                     3
## 378
                                        Widener, Mr. Harry Elkins
                                                                      male 27.0
                                                                                     0
## 379
                                                                      male 20.0
                                               Betros, Mr. Tannous
                                      Gustafsson, Mr. Karl Gideon
## 380
                                                                      male 19.0
                                                                                     0
## 383
                                                Tikkanen, Mr. Juho
                                                                      male 32.0
## 385
                                            Plotcharsky, Mr. Vasil
                                                                      male
                                                                             NΑ
                                                                                     0
## 386
                                         Davies, Mr. Charles Henry
                                                                      male 18.0
                                                                                     0
## 387
                                  Goodwin, Master. Sidney Leonard
                                                                      male 1.0
                                                                                     5
## 389
                                              Sadlier, Mr. Matthew
                                                                      male
                                                                             NA
                                                                                     0
                                                                                     2
## 393
                                                                      male 28.0
                                     Gustafsson, Mr. Johan Birger
## 396
                                               Johansson, Mr. Erik
                                                                      male 22.0
## 397
                                               Olsson, Miss. Elina female 31.0
                                                                                     0
## 398
                                           McKane, Mr. Peter David
                                                                      male 46.0
                                                                                     0
## 399
                                                  Pain, Dr. Alfred
                                                                      male 23.0
## 402
                                                   Adams, Mr. John
                                                                      male 26.0
                                                                                     0
## 403
                                          Jussila, Miss. Mari Aina female 21.0
## 404
                                   Hakkarainen, Mr. Pekka Pietari
                                                                      male 28.0
## 405
                                           Oreskovic, Miss. Marija female 20.0
## 406
                                                Gale, Mr. Shadrach
                                                                      male 34.0
## 407
                                 Widegren, Mr. Carl/Charles Peter
                                                                      male 51.0
## 409
                                Birkeland, Mr. Hans Martin Monsen
                                                                                     0
                                                                      male 21.0
                                                Lefebre, Miss. Ida female
## 410
## 411
                                                Sdycoff, Mr. Todor
                                                                                     0
                                                                      male
                                                                             NΑ
## 412
                                                   Hart, Mr. Henry
                                                                      male
                                                                             NA
                                                                                     0
## 414
                                   Cunningham, Mr. Alfred Fleming
                                                                             NA
                                                                                     0
                                                                      male
## 416
                          Meek, Mrs. Thomas (Annie Louise Rowley) female
                                                                             NA
## 419
                                        Matthews, Mr. William John
                                                                      male 30.0
                                                                                     0
## 420
                                         Van Impe, Miss. Catharina female 10.0
                                                                                     0
## 421
                                            Gheorgheff, Mr. Stanio
                                                                      male
                                                                                     0
## 422
                                               Charters, Mr. David
                                                                      male 21.0
                                                                                     0
## 423
                                                Zimmerman, Mr. Leo
                                                                      male 29.0
                                                                                     0
## 424
          Danbom, Mrs. Ernst Gilbert (Anna Sigrid Maria Brogren) female 28.0
## 425
                                      Rosblom, Mr. Viktor Richard
                                                                      male 18.0
## 426
                                            Wiseman, Mr. Phillippe
                                                                      male
                                                                                     0
                                                                             NΑ
## 429
                                                  Flynn, Mr. James
                                                                      male
```

```
## 434
                                       Kallio, Mr. Nikolai Erland
                                                                      male 17.0
## 435
                                        Silvey, Mr. William Baird
                                                                      male 50.0
                                                                                    1
## 437
                             Ford, Miss. Doolina Margaret "Daisy" female 21.0
## 439
                                                 Fortune, Mr. Mark
                                                                      male 64.0
                                                                                    1
## 440
                           Kvillner, Mr. Johan Henrik Johannesson
                                                                      male 31.0
## 442
                                                                      male 20.0
                                                   Hampe, Mr. Leon
                                                                                    0
## 443
                                                                      male 25.0
                                        Petterson, Mr. Johan Emil
## 451
                                             West, Mr. Edwy Arthur
                                                                      male 36.0
                                                                                    1
## 452
                                  Hagland, Mr. Ingvald Olai Olsen
                                                                      male
                                                                             NA
                                                                                    1
## 453
                                  Foreman, Mr. Benjamin Laventall
                                                                      male 30.0
                                                                                    0
## 455
                                               Peduzzi, Mr. Joseph
                                                                      male
                                                                             NA
## 457
                                        Millet, Mr. Francis Davis
                                                                      male 65.0
                                                                                    0
                                            O'Connor, Mr. Maurice
## 460
                                                                      male
                                                                             NA
                                                                                    0
## 462
                                               Morley, Mr. William
                                                                      male 34.0
## 463
                                                 Gee, Mr. Arthur H
                                                                      male 47.0
## 464
                                     Milling, Mr. Jacob Christian
                                                                      male 48.0
## 465
                                                Maisner, Mr. Simon
                                                                      male
                                                                             NA
                                                                                    0
## 466
                                  Goncalves, Mr. Manuel Estanslas
                                                                      male 38.0
## 467
                                            Campbell, Mr. William
                                                                      male
                                                                             NA
                                                                                    0
## 468
                                       Smart, Mr. John Montgomery
                                                                      male 56.0
## 469
                                                Scanlan, Mr. James
                                                                      male
                                                                             NA
                                                                                    0
## 471
                                                 Keefe, Mr. Arthur
                                                                      male
## 472
                                                   Cacic, Mr. Luka
                                                                      male 38.0
## 475
                                      Strandberg, Miss. Ida Sofia female 22.0
## 476
                                      Clifford, Mr. George Quincy
                                                                      male
## 477
                                           Renouf, Mr. Peter Henry
                                                                      male 34.0
                                                                                    1
## 478
                                        Braund, Mr. Lewis Richard
                                                                      male 29.0
                                                                                     1
## 479
                                        Karlsson, Mr. Nils August
                                                                      male 22.0
                                                                                    0
## 481
                                   Goodwin, Master. Harold Victor
                                                                      male 9.0
## 482
                                 Frost, Mr. Anthony Wood "Archie"
                                                                      male
                                                                             NA
## 483
                                          Rouse, Mr. Richard Henry
                                                                      male 50.0
                                                                                    0
## 486
                                            Lefebre, Miss. Jeannie female
                                                                             NΑ
                                                                                    3
## 488
                                           Kent, Mr. Edward Austin
                                                                      male 58.0
## 489
                                    Somerton, Mr. Francis William
                                                                      male 30.0
                                                                                    0
## 491
                             Hagland, Mr. Konrad Mathias Reiersen
                                                                      male
## 492
                                               Windelov, Mr. Einar
                                                                      male 21.0
                                                                                    0
## 493
                                       Molson, Mr. Harry Markland
                                                                      male 55.0
## 494
                                           Artagaveytia, Mr. Ramon
                                                                      male 71.0
                                                                                    0
## 495
                                       Stanley, Mr. Edward Roland
                                                                      male 21.0
## 496
                                             Yousseff, Mr. Gerious
                                                                                    0
                                                                      male
                                                                             NΑ
## 498
                                  Shellard, Mr. Frederick William
                                                                      male
## 499
                 Allison, Mrs. Hudson J C (Bessie Waldo Daniels) female 25.0
                                                                                    1
## 500
                                                Svensson, Mr. Olof
                                                                      male 24.0
                                                                                    0
## 501
                                                  Calic, Mr. Petar
                                                                      male 17.0
                                                                                    0
## 502
                                               Canavan, Miss. Mary female 21.0
## 503
                                   O'Sullivan, Miss. Bridget Mary female
                                                                                    0
## 504
                                   Laitinen, Miss. Kristina Sofia female 37.0
## 506
                      Penasco y Castellana, Mr. Victor de Satode
                                                                      male 18.0
## 509
                                          Olsen, Mr. Henry Margido
                                                                      male 28.0
                                                                                    0
## 512
                                                 Webber, Mr. James
                                                                      male
                                                                             NA
                                                                                    0
## 515
                                                 Coleff, Mr. Satio
                                                                      male 24.0
                                                                                    0
## 516
                                     Walker, Mr. William Anderson
                                                                      male 47.0
## 518
                                                 Ryan, Mr. Patrick
                                                                      male
                                                                             NA
                                                                                    0
## 520
                                               Pavlovic, Mr. Stefo
                                                                      male 32.0
```

```
## 522
                                                   Vovk, Mr. Janko
                                                                      male 22.0
## 523
                                                Lahoud, Mr. Sarkis
                                                                      male
                                                                              NΑ
                                                                                     0
                                                                      male
## 525
                                                 Kassem, Mr. Fared
                                                Farrell, Mr. James
## 526
                                                                      male 40.5
                                                                                     0
## 528
                                                Farthing, Mr. John
                                                                      male
                                                                              NA
## 529
                                         Salonen, Mr. Johan Werner
                                                                      male 39.0
                                                                                     0
## 530
                                       Hocking, Mr. Richard George
                                                                      male 23.0
## 532
                                                 Toufik, Mr. Nakli
                                                                      male
                                                                              NΑ
                                                                                     0
## 533
                                              Elias, Mr. Joseph Jr
                                                                      male 17.0
                                                                                     1
## 535
                                               Cacic, Miss. Marija female 30.0
                                                                                     0
## 537
                                Butt, Major. Archibald Willingham
                                                                      male 45.0
                                                                                     0
## 539
                                          Risien, Mr. Samuel Beard
                                                                      male
                                                                              NA
                                                                                     0
## 542
                             Andersson, Miss. Ingeborg Constanzia female 9.0
                                                                                     4
## 543
                                Andersson, Miss. Sigrid Elisabeth female 11.0
## 545
                                        Douglas, Mr. Walter Donald
                                                                      male 50.0
## 546
                                      Nicholson, Mr. Arthur Ernest
                                                                      male 64.0
                                                                                     0
## 549
                                         Goldsmith, Mr. Frank John
                                                                      male 33.0
                                                                                     1
                                       Sharp, Mr. Percival James R
## 552
                                                                      male 27.0
## 553
                                              O'Brien, Mr. Timothy
                                                                      male
                                                                              NA
                                                                                     0
## 556
                                                Wright, Mr. George
                                                                      male 62.0
## 558
                                               Robbins, Mr. Victor
                                                                      male
                                                                              NΑ
                                                                                     0
## 561
                                          Morrow, Mr. Thomas Rowan
                                                                      male
                                                                              NΑ
## 562
                                                 Sivic, Mr. Husein
                                                                      male 40.0
                                                                                     0
## 563
                                        Norman, Mr. Robert Douglas
                                                                      male 28.0
## 564
                                                 Simmons, Mr. John
                                                                      male
                                                                                     0
## 565
                                   Meanwell, Miss. (Marion Ogden) female
                                                                              NA
                                                                                     0
## 566
                                              Davies, Mr. Alfred J
                                                                      male 24.0
                                                                                     2
## 567
                                              Stoytcheff, Mr. Ilia
                                                                      male 19.0
                                                                                     0
## 568
                      Palsson, Mrs. Nils (Alma Cornelia Berglund) female 29.0
## 569
                                               Doharr, Mr. Tannous
                                                                      male
                                                                                     0
                                                                              NA
## 575
                                      Rush, Mr. Alfred George John
                                                                      male 16.0
                                                                                     0
## 576
                                              Patchett, Mr. George
                                                                      male 19.0
                                                                                     0
## 579
                                 Caram, Mrs. Joseph (Maria Elias) female
## 583
                                        Downton, Mr. William James
                                                                      male 54.0
                                                                                     0
## 584
                                               Ross, Mr. John Hugo
                                                                      male 36.0
                                                                                     0
                                               Paulner, Mr. Uscher
## 585
                                                                      male
                                                                              NA
                                                                                     0
## 587
                                           Jarvis, Mr. John Denzil
                                                                      male 47.0
## 589
                                             Gilinski, Mr. Eliezer
                                                                      male 22.0
                                                                                     0
## 590
                                               Murdlin, Mr. Joseph
                                                                      male
                                                                              NA
## 591
                                              Rintamaki, Mr. Matti
                                                                      male 35.0
                                                                                     0
## 593
                                        Elsbury, Mr. William James
                                                                      male 47.0
## 594
                                                Bourke, Miss. Mary female
                                                                                     0
                                                                              NΑ
## 595
                                           Chapman, Mr. John Henry
                                                                      male 37.0
                                                                                     1
## 596
                                       Van Impe, Mr. Jean Baptiste
                                                                      male 36.0
                                                                                     1
## 598
                                               Johnson, Mr. Alfred
                                                                      male 49.0
                                                 Boulos, Mr. Hanna
## 599
                                                                      male
                                                                              NA
                                                                                     0
## 602
                                              Slabenoff, Mr. Petco
                                                                      male
                                                                              NA
                                                                                     0
## 603
                                         Harrington, Mr. Charles H
                                                                      male
                                                                              NA
                                                                                     0
## 604
                                         Torber, Mr. Ernst William
                                                                      male 44.0
                                                                                     0
## 606
                                    Lindell, Mr. Edvard Bengtsson
                                                                      male 36.0
## 607
                                                 Karaic, Mr. Milan
                                                                      male 30.0
                                                                                     0
## 611 Andersson, Mrs. Anders Johan (Alfrida Konstantia Brogren) female 39.0
## 612
                                             Jardin, Mr. Jose Neto
                                                                      male
                                                                                     0
                                                                              NΑ
## 614
                                                  Horgan, Mr. John
                                                                      male
```

```
## 615
                                  Brocklebank, Mr. William Alfred
                                                                      male 35.0
## 617
                                         Danbom, Mr. Ernst Gilbert
                                                                      male 34.0
                 Lobb, Mrs. William Arthur (Cordelia K Stanlick) female 26.0
## 618
## 620
                                               Gavey, Mr. Lawrence
                                                                      male 26.0
                                                                                     0
## 621
                                               Yasbeck, Mr. Antoni
                                                                      male 27.0
                                                                                     1
## 624
                                       Hansen, Mr. Henry Damsgaard
                                                                      male 21.0
                                                                                     0
## 625
                                       Bowen, Mr. David John "Dai"
                                                                      male 21.0
## 626
                                             Sutton, Mr. Frederick
                                                                      male 61.0
                                                                                     0
## 627
                                   Kirkland, Rev. Charles Leonard
                                                                      male 57.0
                                                                                     0
## 629
                                         Bostandyeff, Mr. Guentcho
                                                                      male 26.0
                                                                                     0
## 630
                                          O'Connell, Mr. Patrick D
                                                                      male
                                                                             NA
                                                                                     0
## 632
                                       Lundahl, Mr. Johan Svensson
                                                                      male 51.0
                                                                                     0
## 634
                                    Parr, Mr. William Henry Marsh
                                                                      male
                                                                                     0
                                                                             NA
## 635
                                                Skoog, Miss. Mabel female 9.0
                                                                                     3
## 637
                                        Leinonen, Mr. Antti Gustaf
                                                                      male 32.0
                                                                                     0
## 638
                                               Collyer, Mr. Harvey
                                                                      male 31.0
## 639
                           Panula, Mrs. Juha (Maria Emilia Ojala) female 41.0
                                                                                     0
## 640
                                        Thorneycroft, Mr. Percival
## 641
                                            Jensen, Mr. Hans Peder
                                                                      male 20.0
                                                                                     0
## 643
                                    Skoog, Miss. Margit Elizabeth female
                                                                            2.0
                                                                                     3
## 647
                                                 Cor, Mr. Liudevit
                                                                      male 19.0
                                                                                     0
## 649
                                                Willey, Mr. Edward
                                                                      male
## 651
                                                 Mitkoff, Mr. Mito
                                                                      male
                                                                             NΑ
                                                                                     0
## 653
                                   Kalvik, Mr. Johannes Halvorsen
                                                                      male 21.0
## 655
                                     Hegarty, Miss. Hanora "Nora" female 18.0
## 656
                                         Hickman, Mr. Leonard Mark
                                                                      male 24.0
                                                                                     2
## 657
                                             Radeff, Mr. Alexander
                                                                      male
                                                                             NA
                                                                                     0
## 658
                                    Bourke, Mrs. John (Catherine) female 32.0
                                                                                     1
## 659
                                                                      male 23.0
                                                                                     0
                                     Eitemiller, Mr. George Floyd
## 660
                                        Newell, Mr. Arthur Webster
                                                                      male 58.0
                                                                                     0
## 662
                                                 Badt, Mr. Mohamed
                                                                      male 40.0
                                                                                     0
## 663
                                        Colley, Mr. Edward Pomeroy
                                                                      male 47.0
                                                                                     0
## 664
                                                  Coleff, Mr. Peju
                                                                      male 36.0
                                                                                     0
## 666
                                                                                     2
                                                Hickman, Mr. Lewis
                                                                      male 32.0
## 667
                                       Butler, Mr. Reginald Fenton
                                                                      male 25.0
                                                                                     0
## 668
                                       Rommetvedt, Mr. Knud Paust
                                                                      male
                                                                             NA
                                                                                     0
## 669
                                                   Cook, Mr. Jacob
                                                                      male 43.0
## 672
                                            Davidson, Mr. Thornton
                                                                      male 31.0
                                                                                     1
## 673
                                       Mitchell, Mr. Henry Michael
                                                                      male 70.0
## 675
                                        Watson, Mr. Ennis Hastings
                                                                                     0
                                                                      male
                                                                              NA
## 676
                                   Edvardsson, Mr. Gustaf Hjalmar
                                                                      male 18.0
## 677
                                    Sawyer, Mr. Frederick Charles
                                                                      male 24.5
                                                                                     0
## 679
                          Goodwin, Mrs. Frederick (Augusta Tyler) female 43.0
                                                                                     1
## 681
                                               Peters, Miss. Katie female
                                                                                     0
                                                                             NA
## 683
                                       Olsvigen, Mr. Thor Anderson
                                                                      male 20.0
## 684
                                       Goodwin, Mr. Charles Edward
                                                                      male 14.0
                                                                                     5
## 685
                                Brown, Mr. Thomas William Solomon
                                                                      male 60.0
                                                                                     1
## 686
                           Laroche, Mr. Joseph Philippe Lemercier
                                                                      male 25.0
## 687
                                          Panula, Mr. Jaako Arnold
                                                                      male 14.0
                                                                                     4
                                                 Dakic, Mr. Branko
## 688
                                                                      male 19.0
                                                                                     0
## 689
                                  Fischer, Mr. Eberhard Thelander
                                                                      male 18.0
                                                                                     0
## 694
                                                  Saad, Mr. Khalil
                                                                      male 25.0
                                                                                     0
## 695
                                                   Weir, Col. John
                                                                      male 60.0
                                                                                     0
## 696
                                        Chapman, Mr. Charles Henry
                                                                      male 52.0
```

```
## 697
                                                  Kelly, Mr. James
                                                                      male 44.0
## 699
                                          Thayer, Mr. John Borland
                                                                      male 49.0
                                                                                     1
## 700
                         Humblen, Mr. Adolf Mathias Nicolai Olsen
                                                                      male 42.0
## 703
                                             Barbara, Miss. Saiide female 18.0
                                                                                     0
## 704
                                             Gallagher, Mr. Martin
                                                                      male 25.0
## 705
                                           Hansen, Mr. Henrik Juul
                                                                      male 26.0
## 706
                  Morley, Mr. Henry Samuel ("Mr Henry Marshall")
                                                                      male 39.0
## 712
                                                Klaber, Mr. Herman
                                                                      male
                                                                              NA
                                                                                     0
## 714
                                        Larsson, Mr. August Viktor
                                                                      male 29.0
                                                                                     0
## 715
                                             Greenberg, Mr. Samuel
                                                                      male 52.0
                                                                                     0
## 716
                       Soholt, Mr. Peter Andreas Lauritz Andersen
                                                                      male 19.0
## 719
                                               McEvoy, Mr. Michael
                                                                      male
                                                                              NA
                                                                                     0
## 720
                                      Johnson, Mr. Malkolm Joackim
                                                                      male 33.0
                                                                                     0
## 722
                                         Jensen, Mr. Svend Lauritz
                                                                      male 17.0
## 723
                                      Gillespie, Mr. William Henry
                                                                      male 34.0
                                                                                     0
## 724
                                           Hodges, Mr. Henry Price
                                                                      male 50.0
                                                                                     0
## 726
                                               Oreskovic, Mr. Luka
                                                                      male 20.0
                                                                                     0
## 729
                                   Bryhl, Mr. Kurt Arnold Gottfrid
                                                                      male 25.0
## 730
                                     Ilmakangas, Miss. Pieta Sofia female 25.0
## 732
                                          Hassan, Mr. Houssein G N
                                                                      male 11.0
## 733
                                              Knight, Mr. Robert J
                                                                      male
                                                                              NΑ
                                                                                     0
## 734
                                        Berriman, Mr. William John
                                                                      male 23.0
## 735
                                      Troupiansky, Mr. Moses Aaron
                                                                      male 23.0
                                                                                     0
## 736
                                              Williams, Mr. Leslie
                                                                      male 28.5
## 737
                          Ford, Mrs. Edward (Margaret Ann Watson) female 48.0
## 739
                                                Ivanoff, Mr. Kanio
                                                                      male
                                                                              NA
## 740
                                                Nankoff, Mr. Minko
                                                                              NA
                                                                                     0
                                                                      male
                                                                      male 36.0
## 742
                                     Cavendish, Mr. Tyrell William
                                                                                     1
## 744
                                                                      male 24.0
                                                 McNamee, Mr. Neal
## 746
                                      Crosby, Capt. Edward Gifford
                                                                      male 70.0
                                                                                     1
                                       Abbott, Mr. Rossmore Edward
## 747
                                                                      male 16.0
                                                                                     1
## 749
                                         Marvin, Mr. Daniel Warner
                                                                      male 19.0
                                                                                     1
## 750
                                           Connaghton, Mr. Michael
                                                                      male 31.0
## 753
                                 Vande Velde, Mr. Johannes Joseph
                                                                      male 33.0
                                                                                     0
## 754
                                                Jonkoff, Mr. Lalio
                                                                      male 23.0
                                                                                     0
                                      Carlsson, Mr. August Sigfrid
## 757
                                                                      male 28.0
                                                                                     0
## 758
                                          Bailey, Mr. Percy Andrew
                                                                      male 18.0
## 759
                                      Theobald, Mr. Thomas Leonard
                                                                      male 34.0
                                                                                     0
## 761
                                                Garfirth, Mr. John
                                                                      male
                                                                              NΑ
## 762
                                   Nirva, Mr. Iisakki Antino Aijo
                                                                      male 41.0
                                                                                     0
## 765
                                            Eklund, Mr. Hans Linus
                                                                      male 16.0
## 767
                                         Brewe, Dr. Arthur Jackson
                                                                      male
                                                                                     0
                                                                              NΑ
## 768
                                                Mangan, Miss. Mary female 30.5
                                                                                     0
## 769
                                               Moran, Mr. Daniel J
                                                                      male
                                                                              NA
                                                                                     1
## 770
                                 Gronnestad, Mr. Daniel Danielsen
                                                                      male 32.0
## 771
                                            Lievens, Mr. Rene Aime
                                                                      male 24.0
                                                                                     0
## 772
                                           Jensen, Mr. Niels Peder
                                                                      male 48.0
                                                                                     0
## 773
                                                 Mack, Mrs. (Mary) female 57.0
                                                                                     0
## 774
                                                   Elias, Mr. Dibo
                                                                      male
                                                                              NA
                                                                                     0
## 776
                          Myhrman, Mr. Pehr Fabian Oliver Malkolm
                                                                      male 18.0
                                                                                     0
## 777
                                                  Tobin, Mr. Roger
                                                                      male
                                                                              NΑ
                                                                                     0
## 779
                                           Kilgannon, Mr. Thomas J
                                                                      male
                                                                              NA
                                                                                     0
## 783
                                            Long, Mr. Milton Clyde
                                                                      male 29.0
                                                                                     0
## 784
                                            Johnston, Mr. Andrew G
                                                                      male
```

```
## 785
                                                  Ali, Mr. William
                                                                      male 25.0
## 786
                               Harmer, Mr. Abraham (David Lishin)
                                                                      male 25.0
                                                                                     0
## 788
                                         Rice, Master. George Hugh
                                                                      male 8.0
## 790
                                          Guggenheim, Mr. Benjamin
                                                                      male 46.0
                                                                                     0
## 791
                                          Keane, Mr. Andrew "Andy"
                                                                      male
                                                                             NA
## 792
                                               Gaskell, Mr. Alfred
                                                                      male 16.0
                                                                                     0
## 793
                                           Sage, Miss. Stella Anna female
                                                                              NA
## 794
                                          Hoyt, Mr. William Fisher
                                                                      male
                                                                              NA
                                                                                     0
## 795
                                             Dantcheff, Mr. Ristiu
                                                                      male 25.0
                                                                                     0
## 796
                                                Otter, Mr. Richard
                                                                      male 39.0
                                                                                     0
## 799
                                     Ibrahim Shawah, Mr. Yousseff
                                                                      male 30.0
## 800
            Van Impe, Mrs. Jean Baptiste (Rosalie Paula Govaert) female 30.0
                                                                                     1
## 801
                                              Ponesell, Mr. Martin
                                                                      male 34.0
                                                                                     0
## 806
                                         Johansson, Mr. Karl Johan
                                                                      male 31.0
## 807
                                            Andrews, Mr. Thomas Jr
                                                                      male 39.0
                                                                                     0
## 808
                                  Pettersson, Miss. Ellen Natalia female 18.0
                                                                                     0
## 809
                                                 Meyer, Mr. August
                                                                      male 39.0
                                                                                     0
## 811
                                            Alexander, Mr. William
                                                                      male 26.0
## 812
                                                 Lester, Mr. James
                                                                      male 39.0
                                                                                     0
## 813
                                         Slemen, Mr. Richard James
                                                                      male 35.0
                                                                                     0
## 814
                               Andersson, Miss. Ebba Iris Alfrida female 6.0
                                                                                     4
## 815
                                        Tomlin, Mr. Ernest Portage
                                                                      male 30.5
## 816
                                                  Fry, Mr. Richard
                                                                      male
                                                                              NA
                                                                                     0
## 817
                                     Heininen, Miss. Wendla Maria female 23.0
## 818
                                                Mallet, Mr. Albert
                                                                      male 31.0
## 819
                                 Holm, Mr. John Fredrik Alexander
                                                                      male 43.0
## 820
                                     Skoog, Master. Karl Thorsten
                                                                      male 10.0
                                                                                     3
## 823
                                  Reuchlin, Jonkheer. John George
                                                                      male 38.0
                                                                                     0
## 825
                                                                      male
                                                                            2.0
                                     Panula, Master. Urho Abraham
## 826
                                                   Flynn, Mr. John
                                                                      male
                                                                                     0
                                                                              NA
## 827
                                                      Lam, Mr. Len
                                                                      male
                                                                              NA
                                                                                     0
## 833
                                                    Saad, Mr. Amin
                                                                      male
                                                                              NΑ
                                                                                     0
## 834
                                            Augustsson, Mr. Albert
                                                                      male 23.0
## 835
                                            Allum, Mr. Owen George
                                                                      male 18.0
                                                                                     0
## 837
                                                  Pasic, Mr. Jakob
                                                                      male 21.0
                                                                                     0
## 838
                                               Sirota, Mr. Maurice
                                                                      male
                                                                             NA
                                                                                     0
## 841
                                       Alhomaki, Mr. Ilmari Rudolf
                                                                      male 20.0
## 842
                                          Mudd, Mr. Thomas Charles
                                                                      male 16.0
                                                                                     0
## 844
                                       Lemberopolous, Mr. Peter L
                                                                      male 34.5
## 845
                                               Culumovic, Mr. Jeso
                                                                      male 17.0
                                                                                     0
## 846
                                               Abbing, Mr. Anthony
                                                                      male 42.0
## 847
                                          Sage, Mr. Douglas Bullen
                                                                      male
                                                                             NA
                                                                                     8
## 848
                                                Markoff, Mr. Marin
                                                                      male 35.0
                                                                                     0
## 849
                                                 Harper, Rev. John
                                                                      male 28.0
                                                                                     0
## 851
                          Andersson, Master. Sigvard Harald Elias
                                                                      male 4.0
## 852
                                               Svensson, Mr. Johan
                                                                      male 74.0
                                                                                     0
## 853
                                           Boulos, Miss. Nourelain female
                                                                           9.0
## 855
                    Carter, Mrs. Ernest Courtenay (Lilian Hughes) female 44.0
## 860
                                                  Razi, Mr. Raihed
                                                                      male
                                                                             NΑ
                                                                                     0
                                                                                     2
## 861
                                           Hansen, Mr. Claus Peter
                                                                      male 41.0
## 862
                                       Giles, Mr. Frederick Edward
                                                                      male 21.0
                                                                                     1
## 864
                                Sage, Miss. Dorothy Edith "Dolly" female
                                                                                     8
## 865
                                            Gill, Mr. John William
                                                                      male 24.0
                                                                                     0
## 868
                             Roebling, Mr. Washington Augustus II
                                                                      male 31.0
```

```
## 869
                                        van Melkebeke, Mr. Philemon
                                                                         male
## 871
                                                   Balkic, Mr. Cerin
                                                                         male 26.0
                                                                                         0
                                                                         male 33.0
## 873
                                            Carlsson, Mr. Frans Olof
## 874
                                        Vander Cruyssen, Mr. Victor
                                                                         male 47.0
                                                                                         0
## 877
                                      Gustafsson, Mr. Alfred Ossian
                                                                         male 20.0
## 878
                                                Petroff, Mr. Nedelio
                                                                         male 19.0
                                                                                         0
## 879
                                                  Laleff, Mr. Kristo
                                                                         male
                                                                                 NA
## 882
                                                  Markun, Mr. Johann
                                                                         male 33.0
                                                                                         0
## 883
                                       Dahlberg, Miss. Gerda Ulrika female 22.0
                                                                                         0
## 884
                                      Banfield, Mr. Frederick James
                                                                         male 28.0
                                                                                         0
## 885
                                              Sutehall, Mr. Henry Jr
                                                                         male 25.0
                                                                                         0
## 886
                              Rice, Mrs. William (Margaret Norton) female 39.0
                                                                                         0
                                               Montvila, Rev. Juozas
## 887
                                                                         male 27.0
                                                                                         0
## 889
                          Johnston, Miss. Catherine Helen "Carrie" female
                                                                                         1
## 891
                                                 Dooley, Mr. Patrick
                                                                                         0
                                                                         male 32.0
##
       Parch
                           Ticket
                                       Fare
                                                   Cabin Embarked
## 1
           0
                       A/5 21171
                                                                 S
                                     7.2500
                                                                 S
## 5
            0
                           373450
                                     8.0500
## 6
           0
                           330877
                                     8.4583
                                                                 Q
## 7
            0
                            17463
                                    51.8625
                                                     E46
                                                                 S
## 8
            1
                           349909
                                    21.0750
                                                                 S
## 13
           0
                        A/5. 2151
                                     8.0500
                                                                 S
## 14
           5
                           347082
                                    31.2750
                                                                 S
## 15
           0
                           350406
                                     7.8542
                                                                  S
## 17
                                                                  Q
            1
                           382652
                                    29.1250
## 19
           0
                           345763
                                    18.0000
                                                                 S
## 21
           0
                           239865
                                    26.0000
                                                                  S
## 25
                           349909
                                    21.0750
                                                                  S
            1
## 27
                                                                  С
           0
                             2631
                                     7.2250
## 28
            2
                            19950 263.0000 C23 C25 C27
                                                                  S
## 30
           0
                           349216
                                     7.8958
                                                                  S
## 31
           0
                         PC 17601
                                    27.7208
                                                                  C
## 34
                                                                 S
            0
                       C.A. 24579
                                    10.5000
## 35
                         PC 17604
                                    82.1708
                                                                 C
           0
                                                                 S
## 36
           0
                           113789
                                    52.0000
## 38
           0
                      A./5. 2152
                                     8.0500
                                                                 S
## 39
            0
                           345764
                                    18.0000
                                                                 S
## 41
           0
                             7546
                                     9.4750
                                                                 S
## 42
            0
                            11668
                                    21.0000
                                                                 S
                                                                 C
## 43
           0
                           349253
                                     7.8958
## 46
           0
                 S.C./A.4. 23567
                                     8.0500
                                                                 S
## 47
           0
                           370371
                                    15.5000
                                                                  Q
## 49
                                                                  C
           0
                             2662
                                    21.6792
## 50
           0
                                                                  S
                           349237
                                    17.8000
## 51
                          3101295
                                                                  S
            1
                                    39.6875
## 52
                                                                  S
           0
                       A/4. 39886
                                     7.8000
## 55
                                                                 C
            1
                           113509
                                    61.9792
                                                     B30
## 58
           0
                                                                 C
                             2697
                                     7.2292
## 60
            2
                          CA 2144
                                    46.9000
                                                                 S
                                                                 C
## 61
           0
                             2669
                                     7.2292
## 63
           0
                                    83.4750
                                                     C83
                                                                 S
                            36973
## 64
            2
                                                                 S
                           347088
                                    27.9000
## 65
           0
                        PC 17605
                                    27.7208
                                                                 C
                                                                 S
## 68
           0
                        S.P. 3464
                                     8.1583
```

##	70	0	315151	8.6625		S
##	71	0	C.A. 33111	10.5000		S
##	72	2	CA 2144	46.9000		S
##	73	0	S.O.C. 14879	73.5000		S
##	74	0	2680	14.4542		C
##	76	0	348123	7.6500	F G73	S
	77	0	349208	7.8958		S
	78	0	374746	8.0500		S
	81	0	345767	9.0000		S
	84	0	113059	47.1000		S
	87	3	W./C. 6608	34.3750		S
	88	0	SOTON/OQ 392086	8.0500		S
	90	0	343275	8.0500		S
	91	0	343276	8.0500		S
	92	0	347466	7.8542	T04	S
	93	0	W.E.P. 5734	61.1750	E31	S
	94	2	C.A. 2315	20.5750		S
	95	0	364500	7.2500		S S
##		0	374910	8.0500	٨٦	
##		0	PC 17754	34.6542	A 5	C
	100 101	0	244367 349245	26.0000 7.8958		S S
	101	0	349215			S
	102	0	35281	7.8958 77.2875	D26	S
	103	0	7540	8.6542	D20	S
	104	0	3101276	7.9250		S
##	106	0	349207	7.8958		S
##	109	0	349249	7.8958		S
##	111	0	110465	52.0000	C110	S
##	112	0	2665	14.4542	0110	C
	113	0	324669	8.0500		S
##	114	0	4136	9.8250		S
##	115	0	2627	14.4583		C
##	116	0	STON/O 2. 3101294	7.9250		S
##	117	0	370369	7.7500		Q
##	118	0	11668	21.0000		Š
##	119	1	PC 17558	247.5208	B58 B60	C
##	120	2	347082	31.2750		S
##	121	0	S.O.C. 14879	73.5000		S
##	122	0	A4. 54510	8.0500		S
##	123	0	237736	30.0708		C
##	125	1	35281	77.2875	D26	S
##	127	0	370372	7.7500		Q
##	130	0	347061	6.9750		S
##	131	0	349241	7.8958		C
##	132	0	SOTON/O.Q. 3101307	7.0500		S
##	133	0	A/5. 3337	14.5000		S
##	135	0	C.A. 29178	13.0000		S
##	136	0	SC/PARIS 2133	15.0458		C
##	138	0	113803	53.1000	C123	S
##	139	0	7534	9.2167		S
	140	0	PC 17593	79.2000	B86	C
	141	2	2678	15.2458		C
##	144	0	365222	6.7500		Q

	145	0	231945	11.5000		S
	146	1	C.A. 33112	36.7500		S
	148	2	W./C. 6608	34.3750		S
	149	2	230080	26.0000	F2	S
	150	0	244310	13.0000		S
	151	0	S.O.P. 1166	12.5250		S
	153	0	A.5. 11206	8.0500		S
	154	2	A/5. 851	14.5000		S
	155	0	Fa 265302	7.3125		S
##	156	1	PC 17597	61.3792		C
##	158	0	SOTON/OQ 392090	8.0500		S
##	159	0	315037	8.6625		S
##	160	2	CA. 2343	69.5500		S
##	161	1	371362	16.1000		S
##	163	0	347068	7.7750		S
##	164	0	315093	8.6625		S
##	165	1	3101295	39.6875		S
##	168	4	347088	27.9000		S
	169	0	PC 17318	25.9250		S
	170	0	1601	56.4958		S
	171	0	111240	33.5000	B19	S
	172	1	382652	29.1250		Q
	174	0	STON/O 2. 3101280	7.9250		S
	175	0	17764	30.6958	A7	C
	176	1	350404	7.8542		S
	177	1	4133	25.4667	040	S
	178	0	PC 17595	28.7125	C49	C
	179	0	250653	13.0000		S
	180	0	LINE	0.0000		S
	181	2	CA. 2343	69.5500		S
##	182	0	SC/PARIS 2131	15.0500		C
##	183 186	2	347077	31.3875	120	S
## ##	189	0	113767 364849	50.0000	A32	S
	190	1		15.5000 7.8958		Q S
##	190	0	349247 28424	13.0000		s S
	197	0	368703	7.7500		Q
	198	1	4579	8.4042		S
	200	0	248747	13.0000		S
	201	0	345770	9.5000		S
	202	2	CA. 2343	69.5500		S
	203	0	3101264	6.4958		S
	204	0	2628	7.2250		C
	206	1	347054	10.4625	G6	S
	207	0	3101278	15.8500	40	S
	211	0	SOTON/O.Q. 3101311	7.0500		S
	213	0	A/5 21174	7.2500		S
	214	0	250646	13.0000		S
	215	0	367229	7.7500		Q
	218	0	243847	27.0000		S
	220	0	W/C 14208	10.5000		S
	222	0	220367	13.0000		S
	223	0	21440	8.0500		S
	224	0	349234	7.8958		S

##	226	0	PP 4348	9.3500		S
##	228	0	A/5 21173	7.2500		S
##	229	0	236171	13.0000		S
##	230	1	4133	25.4667		S
##	232	0	347067	7.7750		S
##	233	0	237442	13.5000		S
##	235	0	C.A. 29566	10.5000		S
##	236	0	W./C. 6609	7.5500		S
##	237	0	26707	26.0000		S
##	239	0	28665	10.5000		S
##	240	0	SCO/W 1585	12.2750		S
##	241	0	2665	14.4542		C
##	243	0	W./C. 14263	10.5000		S
##	244	0	STON/O 2. 3101275	7.1250		S
##	245	0	2694	7.2250		C
##	246	0	19928	90.0000	C78	Q
##	247	0	347071	7.7750		S
##	250	0	244252	26.0000		S
##	251	0	362316	7.2500		S
##	252	1	347054	10.4625	G6	S
##	253	0	113514	26.5500	C87	S
##	254	0	A/5. 3336	16.1000		S
##	255	2	370129	20.2125		S
##	261	0	384461	7.7500		Q
##	263	1	110413	79.6500	E67	S
##	264	0	112059	0.0000	B94	S
##	265	0	382649	7.7500		Q
##	266	0	C.A. 17248	10.5000		S
##	267	1	3101295	39.6875		S
##	271	0	113798	31.0000		S
##	274	1	PC 17596	29.7000	C118	C
##	277	0	347073	7.7500		S
##	278	0	239853	0.0000		S
##	279	1	382652	29.1250		Q
##	281	0	336439	7.7500		Q
##	282	0	347464	7.8542		S
##	283	0	345778	9.5000		S
##	285	0	113056	26.0000	A19	S
##	286	0	349239	8.6625		C
##	288	0	349206	7.8958		S
##	293	0	SC/Paris 2163	12.8750	D	C
##	294	0	349236	8.8500		S
##	295	0	349233	7.8958		S
##	296	0	PC 17612	27.7208		C
##	297	0	2693	7.2292		C
##	298	2	113781	151.5500	C22 C26	S
##	303	0	LINE	0.0000		S
##	305	0	A/5 2466	8.0500		S
##	309	0	P/PP 3381	24.0000		C
##	313	1	250651	26.0000		S
	314	0	349243	7.8958		S
	315	1	F.C.C. 13529	26.2500		S
	318	0	29011	14.0000		S
##	321	0	A/5 21172	7.2500		S

##	322	0	349219	7.8958		S
##	325	2	CA. 2343	69.5500		S
##	327	0	345364	6.2375		S
##	332	0	113043	28.5000	C124	S
##	333	1	PC 17582	153.4625	C91	S
##	334	0	345764	18.0000		S
##	336	0	349225	7.8958		S
##	337	0	113776	66.6000	C2	S
##	340	0	113784	35.5000	T	S
##	343	0	248740	13.0000		S
##	344	0	244361	13.0000		S
##	345	0	229236	13.0000		S
##	350	0	315088	8.6625		S
##	351	0	7267	9.2250		S
##	352	0	113510	35.0000	C128	S
##	353	1	2695	7.2292		C
##	354	0	349237	17.8000		S
##	355	0	2647	7.2250		C
##	356	0	345783	9.5000		S
##	358	0	237671	13.0000		S
##	361	4	347088	27.9000		S
##	362	0	SC/PARIS 2167	27.7208		C
##	363	1	2691	14.4542		C
##	364	0	SOTON/O.Q. 3101310	7.0500		S
##	365	0	370365	15.5000		Q
##	366	0	C 7076	7.2500		S
##	372	0	3101267	6.4958		S
##	373	0	323951	8.0500		S
##	374	0	PC 17760	135.6333		C
##	375	1	349909	21.0750		S
##	378	2		211.5000	C82	C
##	379	0	2648	4.0125		C
##	380	0	347069	7.7750		S
##	383	0	STON/O 2. 3101293	7.9250		S
##	385	0	349227	7.8958		S
##	386	0	S.O.C. 14879	73.5000		S
##	387	2	CA 2144	46.9000		S
##	389	0	367655	7.7292		Q
##	393	0	3101277	7.9250		S
##	396	0	350052	7.7958		S
##	397	0	350407	7.8542		S
	398	0	28403	26.0000		S
	399	0	244278	10.5000		S
	402	0	341826	8.0500		S
##	403	0	4137	9.8250		S
##	404	0	STON/02. 3101279	15.8500		S
	405	0	315096	8.6625		S
	406	0	28664	21.0000		S
	407	0	347064	7.7500		S
	409	0	312992	7.7750		S
	410	1	4133	25.4667		S
	411	0	349222	7.8958		S
	412	0	394140	6.8583		Q
	414	0	239853	0.0000		S
		-				_

##	416	0	343095	8.0500		S
	419	0		13.0000		S
	420	2	345773	24.1500		S
	421	0	349254	7.8958		C
	422	0	A/5. 13032	7.7333		Q
	423	0	315082	7.8750		S
	424	1		14.4000		S
	425	1	370129	20.2125		S
	426	0	A/4. 34244	7.2500		S
	429	0	364851	7.7500		Q
	434	0	STON/O 2. 3101274	7.1250		S
	435	0		55.9000	E44	S
	437	2	W./C. 6608	34.3750	E44	S
	439	4			C23 C25 C27	S
	440		C.A. 18723	10.5000	023 025 027	S
		0				S
	442 443	0	345769	9.5000 7.7750		
		0	347076			S
	451	2		27.7500		S S
	452	0	65303	19.9667	C111	
	453	0		27.7500	C111	C
	455	0		8.0500	E20	S
	457	0		26.5500	E38	S
	460	0	371060	7.7500		Q
	462	0	364506	8.0500	F40	S
	463	0		38.5000	E63	S
	464	0	234360	13.0000		S
	465	0	A/S 2816	8.0500		S
	466		SOTON/O.Q. 3101306	7.0500		S
	467	0	239853	0.0000		S
	468	0	113792	26.5500		S
	469	0	36209	7.7250		Q
	471	0	323592	7.2500		S
	472	0	315089	8.6625		S
	475	0	7553	9.8375		S
	476	0		52.0000	A14	S
	477	0	31027	21.0000		S
##	478	0	3460	7.0458		S
	479	0	350060	7.5208		S
	481	2	CA 2144	46.9000		S
	482	0	239854	0.0000		S
	483	0	A/5 3594	8.0500		S
##	486	1	4133	25.4667		S
	488	0	11771	29.7000	B37	C
##	489	0	A.5. 18509	8.0500		S
##	491	0	65304	19.9667		S
	492	0	SOTON/OQ 3101317	7.2500		S
##	493	0	113787	30.5000	C30	S
	494	0	PC 17609	49.5042		C
##	495	0	A/4 45380	8.0500		S
##	496	0	2627	14.4583		C
	498	0	C.A. 6212	15.1000		S
##	499	2	113781	151.5500	C22 C26	S
##	500	0	350035	7.7958		S
##	501	0	315086	8.6625		S

						_
	502	0	364846	7.7500		Q
	503	0	330909	7.6292		Q
	504	0	4135	9.5875	~~=	S
	506	0	PC 17758		C65	C
	509	0	C 4001	22.5250		S
	512	0	SOTON/OQ 3101316	8.0500		S
	515	0	349209	7.4958		S
	516	0	36967	34.0208	D46	S
	518	0	371110	24.1500		Q
	520	0	349242	7.8958		S
	522	0	349252	7.8958		S
	523	0	2624	7.2250		C
	525	0	2700	7.2292		C
	526	0	367232	7.7500		Q
	528	0	PC 17483		C95	S
	529	0	3101296	7.9250		S
##	530	1	29104	11.5000		S
	532	0	2641	7.2292		C
	533	1	2690	7.2292		C
##	535	0	315084	8.6625		S
##	537	0	113050	26.5500	B38	S
##	539	0	364498	14.5000		S
##	542	2	347082	31.2750		S
##	543	2	347082	31.2750		S
##	545	0	PC 17761	106.4250	C86	C
##	546	0	693	26.0000		S
##	549	1	363291	20.5250		S
##	552	0	244358	26.0000		S
##	553	0	330979	7.8292		Q
##	556	0	113807	26.5500		S
##	558	0	PC 17757	227.5250		C
##	561	0	372622	7.7500		Q
##	562	0	349251	7.8958		S
##	563	0	218629	13.5000		S
##	564	0	SOTON/OQ 392082	8.0500		S
##	565	0	SOTON/O.Q. 392087	8.0500		S
##	566	0	A/4 48871	24.1500		S
##	567	0	349205	7.8958		S
##	568	4	349909	21.0750		S
##	569	0	2686	7.2292		C
##	575	0	A/4. 20589	8.0500		S
##	576	0	358585	14.5000		S
##	579	0	2689	14.4583		C
##	583	0	28403	26.0000		S
##	584	0	13049	40.1250	A10	C
##	585	0	3411	8.7125		C
##	587	0	237565	15.0000		S
##	589	0	14973	8.0500		S
##	590	0	A./5. 3235	8.0500		S
	591	0	STON/O 2. 3101273	7.1250		S
	593	0	A/5 3902	7.2500		S
	594	2	364848	7.7500		Q
	595	0	SC/AH 29037	26.0000		Š
	596	1	345773	24.1500		S

##	598	0	LINE	0.0000		S
##	599	0	2664	7.2250		C
##	602	0	349214	7.8958		S
##	603	0	113796	42.4000		S
##	604	0	364511	8.0500		S
##	606	0	349910	15.5500		S
##	607	0	349246	7.8958		S
##	611	5	347082	31.2750		S
##	612	0	SOTON/O.Q. 3101305	7.0500		S
##	614	0	370377	7.7500		Q
##	615	0	364512	8.0500		S
##	617	1	347080	14.4000		S
##	618	0	A/5. 3336	16.1000		S
##	620	0	31028	10.5000		S
##	621	0	2659	14.4542		C
##	624	0	350029	7.8542		S
##	625	0	54636	16.1000		S
##	626	0	36963	32.3208	D50	S
##	627	0	219533	12.3500		Q
##	629	0	349224	7.8958		S
##	630	0	334912	7.7333		Q
##	632	0	347743	7.0542		S
##	634	0	112052	0.0000		S
##	635	2	347088	27.9000		S
##	637	0	STON/O 2. 3101292	7.9250		S
##	638	1	C.A. 31921	26.2500		S
##	639	5	3101295	39.6875		S
##	640	0	376564	16.1000		S
##	641	0	350050	7.8542		S
##	643	2	347088	27.9000		S
##	647	0	349231	7.8958		S
##	649	0	S.O./P.P. 751	7.5500		S
##	651	0	349221	7.8958		S
##	653	0	8475	8.4333		S
##	655	0	365226	6.7500		Q
##	656	0	S.O.C. 14879	73.5000		S
##	657	0	349223	7.8958		S
##	658	1	364849	15.5000		Q
	659	0	29751	13.0000		S
	660	2	35273	113.2750	D48	C
##	662	0	2623	7.2250		C
##	663	0	5727	25.5875	E58	S
##	664	0	349210	7.4958		S
##	666	0	S.O.C. 14879	73.5000		S
##	667	0	234686	13.0000		S
##	668	0	312993	7.7750		S
##	669	0	A/5 3536	8.0500	D74	S
##	672	0	F.C. 12750	52.0000	B71	S
##	673	0	C.A. 24580	10.5000		S
##	675	0	239856	0.0000		S
##	676 677	0	349912	7.7750		S
##	677	0	342826	8.0500		S
##	679	6	CA 2144	46.9000		S
##	681	0	330935	8.1375		Q

	683	0	6563	9.2250		S
	684	2	CA 2144	46.9000		S
	685	1	29750	39.0000		S
	686	2	SC/Paris 2123	41.5792		C
##	687	1	3101295	39.6875		S
##	688	0	349228	10.1708		S
##	689	0	350036	7.7958		S
##	694	0	2672	7.2250		C
##	695	0	113800	26.5500		S
##	696	0	248731	13.5000		S
##	697	0	363592	8.0500		S
##	699	1	17421	110.8833	C68	C
##	700	0	348121	7.6500	F G63	S
##	703	1	2691	14.4542		С
	704	0	36864	7.7417		Q
	705	0	350025	7.8542		S
	706	0	250655	26.0000		S
	712	0	113028	26.5500	C124	S
	714	0	7545	9.4833	OIZI	S
	715	0	250647	13.0000		S
	716	0	348124	7.6500	F G73	S
	719	0	36568	15.5000	1 475	
	720	0				Q S
			347062	7.7750		s S
	722	0	350048	7.0542		
	723	0	12233	13.0000		S
	724	0	250643	13.0000		S
	726	0	315094	8.6625		S
	729	0	236853	26.0000		S
	730	0	STON/02. 3101271	7.9250		S
	732	0	2699	18.7875		C
	733	0	239855	0.0000		S
	734	0	28425	13.0000		S
	735	0	233639	13.0000		S
	736	0	54636	16.1000		S
	737	3	W./C. 6608	34.3750		S
	739	0	349201	7.8958		S
	740	0	349218	7.8958		S
	742	0	19877	78.8500	C46	S
	744	0	376566	16.1000		S
	746	1	WE/P 5735	71.0000	B22	S
##	747	1	C.A. 2673	20.2500		S
##	749	0	113773	53.1000	D30	S
##	750	0	335097	7.7500		Q
##	753	0	345780	9.5000		S
##	754	0	349204	7.8958		S
##	757	0	350042	7.7958		S
##	758	0	29108	11.5000		S
##	759	0	363294	8.0500		S
##	761	0	358585	14.5000		S
##	762	0	SOTON/02 3101272	7.1250		S
##	765	0	347074	7.7750		S
##	767	0	112379	39.6000		C
##	768	0	364850	7.7500		Q
##	769	0	371110	24.1500		Q

##	770	0	8471	8.3625		S
##	771	0	345781	9.5000		S
	772	0	350047	7.8542		S
##	773	0	S.O./P.P. 3	10.5000	E77	S
##	774	0	2674	7.2250		C
##	776	0	347078	7.7500		S
##	777	0	383121	7.7500	F38	Q
##	779	0	36865	7.7375		Q
##	783	0	113501	30.0000	D6	S
##	784	2	W./C. 6607	23.4500		S
##	785	0	SOTON/O.Q. 3101312	7.0500		S
##	786	0	374887	7.2500		S
##	788	1	382652	29.1250		Q
##	790	0	PC 17593	79.2000	B82 B84	C
##	791	0	12460	7.7500		Q
##	792	0	239865	26.0000		S
##	793	2	CA. 2343	69.5500		S
##	794	0	PC 17600	30.6958		C
##	795	0	349203	7.8958		S
##	796	0	28213	13.0000		S
##	799	0	2685	7.2292		C
##	800	1	345773	24.1500		S
##	801	0	250647	13.0000		S
##	806	0	347063	7.7750		S
##	807	0	112050	0.0000	A36	S
##	808	0	347087	7.7750		S
##	809	0	248723	13.0000		S
##	811	0	3474	7.8875		S
	812	0	A/4 48871	24.1500		S
	813	0	28206	10.5000		S
	814	2	347082	31.2750		S
	815	0	364499	8.0500		S
	816	0	112058	0.0000	B102	S
	817	0	STON/02. 3101290	7.9250		S
	818	1	S.C./PARIS 2079	37.0042		C
##	819	0	C 7075	6.4500		S
	820	2	347088	27.9000		S
	823	0	19972	0.0000		S
	825	1	3101295	39.6875		S
	826	0	368323	6.9500		Q
	827 833	0	1601 2671	56.4958		S C
	834	0		7.2292 7.8542		S
	835	0	347468 2223	8.3000		S
	837	0	315097	8.6625		S
	838	0	392092	8.0500		S
	841	0	SOTON/02 3101287	7.9250		S
	842	0	S.O./P.P. 3	10.5000		S
	844	0	2683	6.4375		C
	845	0	315090	8.6625		S
	846	0	C.A. 5547	7.5500		S
	847	2	CA. 2343	69.5500		S
	848	0	349213	7.8958		C
	849	1	248727	33.0000		S

```
## 851
                           347082
                                   31.2750
                                                                 S
## 852
           0
                           347060
                                    7.7750
                                                                 S
                                                                 С
## 853
                             2678
                                   15.2458
                           244252
                                                                 S
## 855
           0
                                   26.0000
## 860
           0
                             2629
                                    7.2292
                                                                 С
## 861
           0
                           350026
                                   14.1083
                                                                 S
## 862
                            28134
                                   11.5000
                                                                 S
           0
                         CA. 2343
                                                                 S
## 864
           2
                                   69.5500
## 865
           0
                           233866
                                    13.0000
                                                                 S
## 868
                                                                 S
           0
                         PC 17590
                                    50.4958
                                                     A24
## 869
           0
                           345777
                                     9.5000
                                                                 S
                                                                 S
## 871
                           349248
                                     7.8958
           0
## 873
           0
                              695
                                     5.0000 B51 B53 B55
                                                                 S
## 874
                                     9.0000
                                                                 S
           0
                           345765
## 877
           0
                             7534
                                     9.8458
                                                                 S
## 878
           0
                           349212
                                     7.8958
                                                                 S
## 879
                                                                 S
           0
                           349217
                                     7.8958
                                                                 S
## 882
           0
                           349257
                                     7.8958
## 883
                             7552
                                                                 S
           0
                                   10.5167
## 884
           0
                C.A./SOTON 34068
                                    10.5000
                                                                 S
## 885
           0
                 SOTON/OQ 392076
                                    7.0500
                                                                 S
## 886
           5
                           382652
                                   29.1250
                                                                 Q
## 887
                                                                 S
           0
                           211536
                                   13.0000
## 889
           2
                      W./C. 6607
                                    23.4500
                                                                 S
## 891
                                                                 Q
           0
                           370376
                                     7.7500
```

head(survived)

```
##
      PassengerId Survived Pclass
## 2
                2
                          1
                                 1
## 3
                3
                          1
                                 3
## 4
                4
                          1
                                 1
## 9
                9
                          1
                                 3
## 10
                                 2
               10
                          1
## 11
               11
                          1
                                 3
##
                                                                Sex Age SibSp Parch
                                                        Name
      Cumings, Mrs. John Bradley (Florence Briggs Thayer) female
## 2
                                                                     38
                                                                             1
## 3
                                     Heikkinen, Miss. Laina female
                                                                             0
                                                                                   0
                                                                      26
## 4
             Futrelle, Mrs. Jacques Heath (Lily May Peel) female
                                                                      35
                                                                             1
                                                                                   0
                                                                                   2
## 9
        Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg) female
## 10
                       Nasser, Mrs. Nicholas (Adele Achem) female
                                                                                   0
                                                                             1
## 11
                           Sandstrom, Miss. Marguerite Rut female
                                                                                    1
##
                 Ticket
                           Fare Cabin Embarked
## 2
              PC 17599 71.2833
                                   C85
                                              С
## 3
      STON/02. 3101282 7.9250
                                              S
## 4
                 113803 53.1000
                                              S
## 9
                347742 11.1333
                                              S
                                              С
## 10
                237736 30.0708
               PP 9549 16.7000
                                              S
## 11
                                   G6
```

head(dead)

##	PassengerId	Survived	Pclass	Name Sex Age S	ibSp
## 1	1	0	3	Braund, Mr. Owen Harris male 22	1
## 5	5	0	3	Allen, Mr. William Henry male 35	0
## 6	6	0	3	Moran, Mr. James male NA	0

```
## 7
                 7
                                             McCarthy, Mr. Timothy J male
                           0
## 8
                 8
                           0
                                   3 Palsson, Master. Gosta Leonard male
                                                                               2
                                                                                      3
                                   3 Saundercock, Mr. William Henry male
## 13
                13
                           0
                                                                                      0
##
                Ticket
                           Fare Cabin Embarked
      Parch
## 1
           0 A/5 21171 7.2500
## 5
           0
                373450 8.0500
                                               S
## 6
           0
                330877 8.4583
                                               Q
                                               S
## 7
                 17463 51.8625
           0
                                   E46
## 8
          1
                349909 21.0750
                                               S
## 13
           0 A/5. 2151 8.0500
                                               S
#8
library(readr)
library(pastecs)
library(Hmisc)
BreastCancer <- read.csv("Wisconsin_BreastCancer.csv")</pre>
BreastCancer
##
              id clump_thickness size_uniformity shape_uniformity marginal_adhesion
## 1
        1000025
                                 5
                                                                                         1
                                                  1
                                                                     1
## 2
        1002945
                                 5
                                                   4
                                                                     4
                                                                                         5
                                 3
## 3
        1015425
                                                  1
                                                                     1
                                                                                         1
## 4
        1016277
                                 6
                                                  8
                                                                     8
                                                                                         1
## 5
                                 4
        1017023
                                                  1
                                                                     1
                                                                                         3
## 6
        1017122
                                 8
                                                 10
                                                                    10
                                                                                         8
## 7
        1018099
                                 1
                                                  1
                                                                     1
                                                                                         1
## 8
                                 2
                                                                     2
        1018561
                                                  1
                                                                                         1
                                 2
## 9
        1033078
                                                  1
                                                                     1
                                                                                         1
                                 4
## 10
        1033078
                                                  2
                                                                     1
                                                                                         1
                                 1
                                                   1
## 11
        1035283
                                                                     1
                                                                                         1
## 12
        1036172
                                 2
                                                  1
                                                                                         1
                                                                     1
## 13
                                 5
                                                   3
                                                                     3
                                                                                         3
        1041801
## 14
        1043999
                                 1
                                                   1
                                                                     1
                                                                                         1
## 15
                                                   7
        1044572
                                 8
                                                                     5
                                                                                        10
## 16
                                 7
                                                   4
                                                                     6
                                                                                         4
        1047630
## 17
        1048672
                                 4
                                                   1
                                                                     1
                                                                                         1
## 18
                                 4
        1049815
                                                   1
                                                                     1
                                                                                         1
                                                   7
## 19
        1050670
                                10
                                                                     7
                                                                                         6
## 20
        1050718
                                 6
                                                  1
                                                                     1
                                                                                         1
## 21
        1054590
                                 7
                                                   3
                                                                     2
                                                                                        10
## 22
                                10
                                                  5
                                                                     5
                                                                                         3
        1054593
## 23
        1056784
                                 3
                                                  1
                                                                     1
                                                                                         1
## 24
                                 8
                                                   4
                                                                     5
        1057013
                                                                                         1
## 25
        1059552
                                 1
                                                  1
                                                                     1
                                                                                         1
                                                   2
## 26
                                 5
                                                                     3
                                                                                         4
        1065726
                                 3
## 27
        1066373
                                                   2
                                                                     1
                                                                                         1
## 28
                                 5
        1066979
                                                   1
                                                                     1
                                                                                         1
## 29
                                 2
        1067444
                                                  1
                                                                     1
                                                                                         1
## 30
        1070935
                                 1
                                                   1
                                                                     3
                                                                                         1
## 31
        1070935
                                 3
                                                  1
                                                                     1
                                                                                         1
                                 2
## 32
        1071760
                                                   1
                                                                     1
                                                                                         1
## 33
        1072179
                                10
                                                   7
                                                                     7
                                                                                         3
## 34
        1074610
                                 2
                                                                                         2
```

##	35	1075123	3	1	2	1
##	36	1079304	2	1	1	1
##	37	1080185	10	10	10	8
##	38	1081791	6	2	1	1
##	39	1084584	5	4	4	9
##	40	1091262	2	5	3	3
##		1096800	6	6	6	9
##		1099510	10	4	3	1
	43	1100524	6	10	10	2
	44	1100524	5	6	5	6
	45	1103608	10	10	10	4
	46	1103722	1	1	1	1
	47	1105257	3	7	7	4
##	48	1105524	1	1	1	1
##	49	1106095	4	1	1	3
##	50	1106829	7	8	7	2
##	51	1108370	9	5	8	1
##	52	1108449	5	3	3	4
##	53	1110102	10	3	6	2
##	54	1110503	5	5	5	8
##	55	1110524	10	5	5	6
##	56	1111249	10	6	6	3
	57	1112209	8	10	10	1
	58	1113038	8	2	4	1
	59	1113483	5	2	3	1
	60	1113906	9	5	5	2
	61	1115282	5	3	5	5
	62	1115293	1	1	1	1
	63	1116116	9	10	10	1
	64	1116132	6	3	4	1
	65	1116192	1	1	1	1
	66	1116998	10	4	2	1
##	67	1117152	4	1	1	1
##	68	1118039	5	3	4	1
##	69	1120559	8	3	8	3
##	70	1121732	1	1	1	1
##	71	1121919	5	1	3	1
##	72	1123061	6	10	2	8
##	73	1124651	1	3	3	2
##	74	1125035	9	4	5	10
##		1126417	10	6	4	1
##		1131294	1	1	2	1
##		1132347	1	1	4	1
##		1133041	5	3	1	2
##		1133136	3	1	1	1
##		1136142	2			
				1 2	1	1
##		1137156	2		2	1
##		1143978	4	1	1	2
##		1143978	5	2	1	1
##		1147044	3	1	1	1
##		1147699	3	5	7	8
##		1147748	5	10	6	1
##		1148278	3	3	6	4
##	88	1148873	3	6	6	6

##	89	1152331	4	1	1	1
##	90	1155546	2	1	1	2
##	91	1156272	1	1	1	1
##	92	1156948	3	1	1	2
##		1157734	4	1	1	1
##		1158247	1	1	1	1
##		1160476	2			
				1	1	1
##		1164066	1	1	1	1
##		1165297	2	1	1	2
##	98	1165790	5	1	1	1
##	99	1165926	9	6	9	2
##	100	1166630	7	5	6	10
##	101	1166654	10	3	5	1
##	102	1167439	2	3	4	4
##	103	1167471	4	1	2	1
	104	1168359	8	2	3	1
	105	1168736	10	10	10	10
	106	1169049	7	3	4	4
	107	1170419	10	10	10	8
	108	1170413	1	6	8	10
	109	1171710	1	1	1	1
	110	1171710	6	5	4	4
	111	1171795	1	3	1	2
	112	1171845	8	6	4	3
	113	1172152	10	3	3	10
##	114	1173216	10	10	10	3
##	115	1173235	3	3	2	1
##	116	1173347	1	1	1	1
##	117	1173347	8	3	3	1
##	118	1173509	4	5	5	10
##	119	1173514	1	1	1	1
	120	1173681	3	2	1	1
	121	1174057	1	1	2	2
	122	1174057	4	2	1	1
	123	1174131		10	10	2
	123	1174131	10 5			
				3	5	1
	125	1175937	5	4	6	7
	126	1176406	1	1	1	1
	127	1176881	7	5	3	7
	128	1177027	3	1	1	1
	129	1177399	8	3	5	4
	130	1177512	1	1	1	1
	131	1178580	5	1	3	1
##	132	1179818	2	1	1	1
##	133	1180194	5	10	8	10
##	134	1180523	3	1	1	1
##	135	1180831	3	1	1	1
	136	1181356	5	1	1	1
	137	1182404	4	1	1	1
	138	1182410	3	1	1	1
	139	1183240	4	1	2	1
	140	1183246	1	1	1	1
	141	1183516	3	1	1	1
##	142	1183911	2	1	1	1

##	143	1183983	9	5	5	4
##	144	1184184	1	1	1	1
##	145	1184241	2	1	1	1
##	146	1184840	1	1	3	1
##	147	1185609	3	4	5	2
##	148	1185610	1	1	1	1
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	438	2	1	1	1	1	2
	439	2					2
			1	1	1	1	
	440	2	1	1	1	1	2
	441	4	10	10	1	1	4
	442	2	4	1	1	1	2
	443	2	3	1	1	1	2
	444	2	2	1	1	1	2
##	445	3	1	2	1	1	2
##	446	2	1	1	1	1	2
##	447	2	1	1	1	1	2
##	448	2	1	1	1	1	2
##	449	1	1	1	1	1	2
##	450	6	10	8	10	1	4
##	451	1	1	2	1	1	2
##	452	2	1	1	1	1	2
	453	2	1	1	1	1	2
	454	6	10	10	7	1	4
	455	3	1	1	1	1	2
	456	2	6	1	1	2	4
	457	5	10	8	6	1	4
	458	6	3	10	10	1	4
	459	2	1	1	1	1	2
	460						
		2	1	1	1	1	2
	461	2	1	1	1	1	2
	462	2	5	1	1	1	2
	463	2	1	1	1	1	2
	464	2	1	1	2	1	2
	465	2	1	1	1	1	2
	466	6	4	7	10	3	4
	467	4	10	9	7	1	4
##	468	4	10	7	6	2	4

		_					_
	469	2	1	1	1	1	2
##	470	2	1	2	1	1	2
##	471	1	1	2	1	1	2
##	472	2	1	1	1	1	2
	473	1	1	1	1	1	2
	474	2	1	1	1	1	2
	475	2	1	1	1	1	2
	476	2	1	1	1	1	2
	477	2	1	1	1	1	2
	478	2	1	1	1	1	2
##	479	2	1	1	1	1	2
##	480	4	10	7	5	1	4
##	481	1	1	1	1	1	2
##	482	2	1	1	1	1	2
	483	10	5	10	10	10	4
	484	5	10	9	10	1	4
	485	2					2
			1	1	1	1	
	486	1	3	1	1	1	2
	487	1	1	2	1	1	2
	488	6	10	8	1	5	4
	489	3	3	3	4	1	4
##	490	3	4	4	1	1	4
##	491	2	1	1	1	1	2
##	492	3	10	7	1	1	4
##	493	1	1	2	1	1	2
##	494	6	10	6	5	2	4
	495	4	5	2	1	1	2
	496	1	1	2	1	1	2
	497	1	1	1	1	1	2
	498	2	1	1	1	1	2
	498						
		2	1	2	1	1	2
	500	2	1	2	1	1	2
	501	2	1	3	1	1	2
	502	2	1	2	1	1	2
	503	2	1	2	1	1	2
##	504	2	1	3	1	1	2
##	505	2	1	1	1	1	2
##	506	2	1	1	1	1	2
	507	7	5	4	8	7	4
	508	2	4	1	1	1	2
	509	2	1	1	1	1	2
	510	2	1	1	1	1	2
	511	2	1	1	1	1	2
	512	2	1	2	1	1	2
	513	2	1	1	1	1	2
	514	1	1	2	1	1	2
	515	3	10	8	10	2	4
	516	3	10	9	10	1	4
	517	1	1	1	1	1	2
	518	1	1	2	1	1	2
	519	2	1	1	1	1	2
##	520	4	10	9	1	1	4
##	521	3	1	1	1	1	2
	522	3	1	1	1	1	2

##	523	3	5	7	3	1	4
	524	4	10	5	3	1	4
	525	2	1	2	1	1	2
	526	2	1	1	1	1	2
	527	2	1	1	1	1	2
	528	2	1	3	1	1	2
	529	2	1	1	1	1	2
	530	1	1	2	1	1	2
	531	4	10	6	9	1	4
	532	2	1	2	1	1	2
	533	1	1	3	1	1	2
	534	2	1	2	1	1	2
	535	2	1	2	1	1	2
	536	2	1	3	1	1	2
	537	2	1	3	1	1	2
	538	2	1	3	1	1	2
	539	2	1	2	1	1	2
	540	2	1	2	1	1	2
	541	2	2	2	1	1	2
	542	2	1	1	1	1	2
	543	2	1	1	1	1	2
	544	2	1	2	1	1	2
	545	2	1	2	1	1	2
	546	2	1	2	1	1	2
	547	4	10	7	10	1	4
	548	1	1	1	1	1	2
	549	1	1	1	1	1	2
	550	4	5	7	8	2	4
	551	2	1	2	1	1	2
	552	2	1	3	1	1	2
	553	2	1	4	2	1	2
	554	2	5	2	1	2	2
	555	2	1	1	1	1	2
	556	2	1	4	8	1	2
	557	1	1	2	1	1	2
	558	2	1	1	1	1	2
	559	2	1	2	1	1	2
	560	2	1	2	1	1	2
	561	2	1	3	1	1	2
	562	2	1	3	1	1	2
	563	2	1	3	1	1	2
	564	2	1	2	1	1	2
	565	2	1	3	2	1	2
	566	5	10	10	10	1	4
	567	2	1	3	1	1	2
	568	2	3	2	1	1	2
	569	6	10	2	5	2	4
	570	6	5	10	3	1	4
	571	8	10	8	2	1	4
	572	3	10	9	10	2	4
	573	2	1	2	1	1	2
	574	2	1	2	1	1	2
	575	4	2	7	7	1	4
	576	2	1	3	1	1	2
		-	-	J	-	-	_

				_			
	577	2	1	2	1	1	2
	578	2	1	2	1	1	2
##	579	2	1	2	1	1	2
##	580	2	1	3	1	1	2
##	581	2	1	2	1	1	2
	582	5	10	7	5	1	4
	583	4	10	6	10	1	4
	584	2	1	1	1	1	2
	585						
		3	1	1	1	1	2
	586	2	1	1	1	1	2
	587	6	10	10	10	1	4
	588	2	1	2	2	1	2
##	589	6	3	4	1	1	4
##	590	2	1	1	1	1	2
##	591	4	1	10	1	1	4
	592	4	10	7	6	1	4
	593	3	10	4	1	1	4
	594	2	1	1	1	1	2
	595	4	10	7	1	1	4
	596	2	1	2	1	1	2
	597	2	1	2	1	1	2
	598	2	1	3	1	1	2
	599	2	1	2	1	1	2
	600	1	1	1	1	1	2
##	601	2	1	2	1	1	2
##	602	1	1	2	1	1	2
##	603	2	1	2	1	1	2
##	604	4	1	8	10	1	4
##	605	5	10	8	1	2	4
	606	5	8	7	8	3	4
	607	2	1	1	1	1	2
	608	2	1	1	1	1	2
	609	10	10	10	1	1	4
	610	2	1	1	1	1	2
	611	3	10	7	1	2	4
	612	5	2	8	5	1	4
	613	6	10	10	10	10	4
	614	2	1	2	1	1	2
	615	1	1	2	1	1	2
	616	2	1	2	1	1	2
##	617	2	1	2	1	1	2
##	618	1	?	1	1	1	2
##	619	2	1	2	1	1	2
##	620	2	1	2	1	1	2
	621	2	1	2	1	1	2
	622	3	2	6	1	1	2
	623	2	1	2	1	1	2
	624	2	1	1	1	1	2
	625			2	1		2
		1	1			1	
	626	3	4	1	1	1	2
	627	7	6	7	7	3	4
	628	2	5	1	1	1	2
	629	2	1	1	1	1	2
##	630	2	1	1	1	1	2

##	631	2	1	1	1	1	2
##	632	2	1	2	1	1	2
##	633	2	1	1	1	1	2
##	634	5	3	5	10	1	4
##	635	2	1	1	1	1	2
##	636	2	1	1	1	1	2
##	637	7	1	10	10	3	4
##	638	2	2	2	1	1	2
	639	2	1	1	1	1	2
	640	2	1	1	1	1	2
	641	2	1	1	1	1	2
	642	2	1	2	1	1	2
	643	2	1	2	1	1	2
	644	2	1	1	1	1	2
	645	2	1	1	1	1	2
	646	2	1	2	1	1	2
	647	2	1	1	1	1	2
	648 649	2 10	1 2	1 10	1 10	1 10	2 4
	650	2	1	2	1	10	2
	651	3	4	1	1	1	2
	652	2	1	2	1	1	2
	653	2	1	2	2	1	2
	654	2	1	2	1	1	2
	655	2	1	3	1	1	2
	656	2	1	2	1	1	2
	657	2	1	2	1	1	2
	658	8	1	3	6	1	2
	659	3	10	7	2	3	4
##	660	2	1	1	1	1	2
##	661	2	1	2	1	1	2
##	662	2	1	3	1	1	2
##	663	2	1	2	1	1	2
	664	2	1	2	1	1	2
	665	2	1	2	1	1	2
	666	2	1	1	1	1	2
	667	2	1	1	1	2	2
	668	2	1	3	1	1	2
	669	6	1	7	10	3	4
	670	5	5	7	10	1	4
	671	5	8	7	4	1	4
	672	2	1	3	1	1	2
	673 674	2 3	1	3	1	1	2 2
	675	2	1 1	1 2	1 1	1 1	2
	676	2	1	1	1	1	2
	677	2	1	2	1	1	2
	678	2	1	1	1	1	2
	679	2	1	1	1	1	2
	680	2	1	1	1	1	2
	681	5	10	10	10	7	4
	682	4	10	5	6	3	4
	683	2	1	3	2	1	2
	684	2	1	1	1	1	2

##	685	2	1	1	1	1	2
##	686	2	1	1	1	1	2
##	687	2	1	1	1	1	2
##	688	2	1	2	3	1	2
##	689	2	1	1	1	1	2
##	690	2	1	1	1	8	2
##	691	2	1	1	1	1	2
##	692	4	5	4	4	1	4
##	693	2	1	1	1	1	2
##	694	2	1	2	1	2	2
##	695	3	2	1	1	1	2
##	696	2	1	1	1	1	2
##	697	7	3	8	10	2	4
##	698	3	4	10	6	1	4
##	699	4	5	10	4	1	4

BreastCancerStats <- stat.desc(BreastCancer)
BreastCancerStats</pre>

```
##
                           id clump_thickness size_uniformity shape_uniformity
## nbr.val
                6.990000e+02
                                  699.0000000
                                                   699.0000000
                                                                     699.0000000
## nbr.null
                0.00000e+00
                                    0.000000
                                                     0.000000
                                                                       0.000000
                                                                       0.000000
## nbr.na
                0.000000e+00
                                    0.000000
                                                     0.000000
## min
                6.163400e+04
                                    1.0000000
                                                     1.0000000
                                                                       1.0000000
## max
                1.345435e+07
                                   10.0000000
                                                     10.000000
                                                                      10.0000000
  range
                1.339272e+07
                                    9.000000
                                                     9.000000
                                                                       9.000000
                7.491212e+08
                                 3088.0000000
                                                  2191.0000000
                                                                    2242.0000000
##
  sum
  median
                1.171710e+06
                                    4.000000
                                                     1.0000000
                                                                       1.0000000
##
##
  mean
                1.071704e+06
                                    4.4177396
                                                     3.1344778
                                                                       3.2074392
  SE.mean
                2.334070e+04
                                    0.1065011
                                                     0.1154168
                                                                       0.1124081
## CI.mean.0.95 4.582640e+04
                                    0.2091009
                                                     0.2266057
                                                                       0.2206984
##
   var
                3.808071e+11
                                    7.9283955
                                                     9.3114027
                                                                       8.8322655
##
                6.170957e+05
                                    2.8157407
                                                     3.0514591
                                                                       2.9719128
  std.dev
   coef.var
                5.758079e-01
                                    0.6373713
                                                     0.9735143
                                                                       0.9265687
##
                marginal_adhesion epithelial_size bare_nucleoli bland_chromatin
##
   nbr.val
                       699.0000000
                                       6.990000e+02
                                                                NA
                                                                      6.990000e+02
                         0.0000000
##
  nbr.null
                                       0.000000e+00
                                                                NA
                                                                      0.000000e+00
## nbr.na
                         0.000000
                                       0.000000e+00
                                                                NA
                                                                      0.000000e+00
##
  min
                         1.0000000
                                       1.000000e+00
                                                                NA
                                                                      1.000000e+00
##
                        10.0000000
                                       1.000000e+01
                                                                NA
                                                                      1.000000e+01
  max
## range
                         9.0000000
                                       9.000000e+00
                                                                NA
                                                                      9.000000e+00
## sum
                      1962.0000000
                                       2.248000e+03
                                                                NΑ
                                                                      2.403000e+03
##
  median
                         1.0000000
                                       2.000000e+00
                                                                NA
                                                                      3.000000e+00
##
  mean
                                       3.216023e+00
                                                                NA
                                                                      3.437768e+00
                         2.8068670
## SE.mean
                         0.1080004
                                       8.375251e-02
                                                                      9.222741e-02
                                                                NA
## CI.mean.0.95
                         0.2120445
                                       1.644370e-01
                                                                NA
                                                                      1.810764e-01
## var
                         8.1531906
                                       4.903124e+00
                                                                NA
                                                                      5.945620e+00
## std.dev
                                       2.214300e+00
                                                                      2.438364e+00
                         2.8553792
                                                                NΑ
   coef.var
                         1.0172834
                                       6.885212e-01
                                                                NA
                                                                      7.092870e-01
##
                normal_nucleoli
                                       mitoses
                                                      class
                     699.0000000 6.990000e+02 6.990000e+02
##
  nbr.val
  nbr.null
                       0.0000000 0.000000e+00 0.000000e+00
## nbr.na
                       0.0000000 0.000000e+00 0.000000e+00
                       1.0000000 1.000000e+00 2.000000e+00
## min
## max
                      10.0000000 1.000000e+01 4.000000e+00
```

```
9.0000000 9.000000e+00 2.000000e+00
## range
## sum
                 2004.0000000 1.111000e+03 1.880000e+03
                  1.0000000 1.000000e+00 2.000000e+00
## median
                      2.8669528 1.589413e+00 2.689557e+00
## mean
## SE.mean
                      0.1154990 6.487021e-02 3.598043e-02
## CI.mean.0.95
                    0.2267672 1.273641e-01 7.064284e-02
## var
                      9.3246800 2.941492e+00 9.049194e-01
                      3.0536339 1.715078e+00 9.512725e-01
## std.dev
## coef.var
                      1.0651148 1.079063e+00 3.536912e-01
Clump Thickness SEmean <- BreastCancerStats["SE.mean", "clump thickness"]</pre>
Clump_Thickness_SEmean
## [1] 0.1065011
Marginal_Adhesion_coefVar <- BreastCancerStats["coef.var", "marginal_adhesion"]</pre>
Marginal_Adhesion_coefVar
## [1] 1.017283
Bare_Nucleoli_null <- BreastCancerStats["nbr.null", "bare_nucleoli"]</pre>
Bare Nucleoli null
## [1] NA
Bland Chromatin mean <- BreastCancerStats["mean", "bland chromatin"]
Bland Chromatin mean
## [1] 3.437768
Bland_Chromatin_std_dev <- BreastCancerStats["std.dev", "bland_chromatin"]</pre>
Bland_Chromatin_std_dev
## [1] 2.438364
shape_uniformity_CImean <- BreastCancerStats["CI.mean", "shape_uniformity"]</pre>
shape_uniformity_CImean
## [1] 0.2206984
#8.e
percentage_malignant <- (sum(BreastCancer$class == 4) / nrow(BreastCancer)) * 100</pre>
paste0("Percentage of Respondents who are Malignant: ", percentage_malignant,"%")
## [1] "Percentage of Respondents who are Malignant: 34.4778254649499%"
#9
library(AppliedPredictiveModeling)
library(xlsx)
data("abalone")
#Viewabalone
head(abalone)
     Type LongestShell Diameter Height WholeWeight ShuckedWeight VisceraWeight
## 1
                 0.455
                          0.365 0.095
                                             0.5140
                                                           0.2245
                                                                         0.1010
       M
                                                                         0.0485
## 2
       М
                 0.350
                          0.265 0.090
                                             0.2255
                                                           0.0995
## 3
       F
                 0.530
                          0.420 0.135
                                            0.6770
                                                           0.2565
                                                                         0.1415
## 4
       Μ
                 0.440
                          0.365 0.125
                                            0.5160
                                                           0.2155
                                                                         0.1140
```

```
## 5
                 0.330
                          0.255 0.080
                                             0.2050
                                                            0.0895
                                                                          0.0395
        Ι
                                             0.3515
## 6
        Ι
                 0.425
                          0.300 0.095
                                                            0.1410
                                                                          0.0775
     ShellWeight Rings
## 1
           0.150
                    15
## 2
           0.070
                     7
## 3
           0.210
                     9
## 4
           0.155
                    10
## 5
           0.055
                     7
## 6
           0.120
                     8
```

summary(abalone)

```
## Type
             LongestShell
                               Diameter
                                                Height
                                                              WholeWeight
## F:1307
            Min.
                   :0.075
                                   :0.0550
                                             Min. :0.0000
                                                             Min.
                                                                    :0.0020
                            Min.
            1st Qu.:0.450
                            1st Qu.:0.3500
## I:1342
                                             1st Qu.:0.1150
                                                             1st Qu.:0.4415
##
  M:1528
            Median :0.545
                            Median :0.4250
                                             Median :0.1400
                                                             Median :0.7995
##
            Mean
                   :0.524
                            Mean
                                  :0.4079
                                             Mean
                                                   :0.1395
                                                             Mean
                                                                    :0.8287
##
            3rd Qu.:0.615
                            3rd Qu.:0.4800
                                             3rd Qu.:0.1650
                                                             3rd Qu.:1.1530
##
                   :0.815
                            Max.
                                   :0.6500
                                             Max.
                                                   :1.1300
                                                             Max.
                                                                    :2.8255
            Max.
##
   ShuckedWeight
                    VisceraWeight
                                      ShellWeight
                                                         Rings
## Min.
          :0.0010
                    Min.
                           :0.0005
                                     Min.
                                            :0.0015
                                                            : 1.000
                                                     Min.
##
  1st Qu.:0.1860
                    1st Qu.:0.0935
                                     1st Qu.:0.1300
                                                     1st Qu.: 8.000
## Median :0.3360
                    Median :0.1710
                                     Median :0.2340
                                                     Median : 9.000
## Mean
         :0.3594
                    Mean
                          :0.1806
                                     Mean :0.2388
                                                     Mean : 9.934
   3rd Qu.:0.5020
                    3rd Qu.:0.2530
                                     3rd Qu.:0.3290
                                                     3rd Qu.:11.000
## Max.
          :1.4880
                          :0.7600
                                           :1.0050
                                                     Max.
                                                            :29.000
                    Max.
                                     Max.
```

#write.xlsx(abalone, "Abalone.xlsx")