

RWorksheet6

2023-12-06

```
library(Hmisc)
```

```
##  
## Attaching package: 'Hmisc'  
## The following objects are masked from 'package:base':  
##  
##     format.pval, units
```

```
library(pastecs)  
student <- c(1:10)  
preTest <- c(55,54,47,57,51,61,57,54,63,58)  
postTest <-c(61,60,56,63,56,63,59,56,62,61)  
  
testDF <- data.frame(student,preTest,postTest)  
describe(testDF)
```

```
## testDF  
##  
## 3 Variables      10 Observations  
## -----  
## student  
##      n missing distinct      Info      Mean      Gmd      .05      .10  
##      10         0         10         1       5.5     3.667     1.45     1.90  
##      .25      .50      .75      .90      .95  
##      3.25     5.50     7.75     9.10     9.55  
##  
## Value      1  2  3  4  5  6  7  8  9 10  
## Frequency  1  1  1  1  1  1  1  1  1  1  
## Proportion 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1  
##  
## For the frequency table, variable is rounded to the nearest 0  
## -----  
## preTest  
##      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  1  
## Proportion 0.1 0.1 0.2 0.1 0.2 0.1 0.1 0.1  
##  
## For the frequency table, variable is rounded to the nearest 0  
## -----  
## postTest  
##      n missing distinct      Info      Mean      Gmd  
##      10         0         6     0.964     59.7     3.311
```

```
##
## Value      56 59 60 61 62 63
## Frequency   3  1  1  2  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
## -----
```

```
stat.desc(testDF)
```

```
##          student      preTest      postTest
## nbr.val    10.0000000  10.0000000  10.0000000
## nbr.null     0.0000000   0.0000000   0.0000000
## nbr.na       0.0000000   0.0000000   0.0000000
## min         1.0000000  47.0000000  56.0000000
## max        10.0000000  63.0000000  63.0000000
## range       9.0000000  16.0000000   7.0000000
## sum        55.0000000 557.0000000 597.0000000
## median      5.5000000  56.0000000  60.5000000
## mean       5.5000000  55.7000000  59.7000000
## 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
```

```
fertilizerLevel <- c(10,10,10, 20,20,50,10,20,10,50,20,50,20,10)
orderedFertilizer <- factor(fertilizerLevel)
```

```
subject <- c(1:10)
exerciseLevels <- c('l', 'n', 'n', 'i', 'l', 'l', 'n', 'n', 'i', 'l')
exerciseLevelsFactor <- factor(exerciseLevels)
levels(exerciseLevelsFactor) <- c("none", "light", "intense")
```

```
state <- c("tas", "sa", "qld", "nsw", "nsw", "nt", "wa", "wa", "qld",
"vic", "nsw", "vic", "qld", "qld", "sa", "tas", "sa", "nt",
"wa", "vic", "qld", "nsw", "nsw", "wa", "sa", "act", "nsw",
"vic", "vic", "act")
stateFactor <- factor(state)
```

```
incomes <- 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)
```

```
incmeans <- tapply(incomes, state, mean)
incmeans
```

```
##      act      nsw      nt      qld      sa      tas      vic      wa
## 44.50000 57.33333 55.50000 53.60000 55.00000 60.50000 56.00000 52.25000
```

```
#      act      nsw      nt      qld      sa      tas
#44.50000 57.33333 55.50000 53.60000 55.00000 60.50000
#      vic      wa
#56.00000 52.25000
```

```
#tas is the state that has the highest mean income, while act has the lowest mean income.
```

```
stdError <- function(x) sqrt(var(x)/length(x))
```

```
incster <- tapply(incomes, state, stdError)
incster
```

```
##      act      nsw      nt      qld      sa      tas      vic      wa
## 1.500000 4.310195 4.500000 4.106093 2.738613 0.500000 5.244044 2.657536
```

#Vic has the highest standard error, while tas has the lowest standard error.

```
titanicDF <- read.csv(file = "titanic.csv")
titanicDF
```

```
##      PassengerId Survived Pclass
## 1             1         0       3
## 2             2         1       1
## 3             3         1       3
## 4             4         1       1
## 5             5         0       3
## 6             6         0       3
## 7             7         0       1
## 8             8         0       3
## 9             9         1       3
## 10            10         1       2
## 11            11         1       3
## 12            12         1       1
## 13            13         0       3
## 14            14         0       3
## 15            15         0       3
## 16            16         1       2
## 17            17         0       3
## 18            18         1       2
## 19            19         0       3
## 20            20         1       3
## 21            21         0       2
## 22            22         1       2
## 23            23         1       3
## 24            24         1       1
## 25            25         0       3
## 26            26         1       3
## 27            27         0       3
## 28            28         0       1
## 29            29         1       3
## 30            30         0       3
## 31            31         0       1
## 32            32         1       1
## 33            33         1       3
## 34            34         0       2
## 35            35         0       1
## 36            36         0       1
## 37            37         1       3
## 38            38         0       3
## 39            39         0       3
## 40            40         1       3
## 41            41         0       3
```

## 42	42	0	2
## 43	43	0	3
## 44	44	1	2
## 45	45	1	3
## 46	46	0	3
## 47	47	0	3
## 48	48	1	3
## 49	49	0	3
## 50	50	0	3
## 51	51	0	3
## 52	52	0	3
## 53	53	1	1
## 54	54	1	2
## 55	55	0	1
## 56	56	1	1
## 57	57	1	2
## 58	58	0	3
## 59	59	1	2
## 60	60	0	3
## 61	61	0	3
## 62	62	1	1
## 63	63	0	1
## 64	64	0	3
## 65	65	0	1
## 66	66	1	3
## 67	67	1	2
## 68	68	0	3
## 69	69	1	3
## 70	70	0	3
## 71	71	0	2
## 72	72	0	3
## 73	73	0	2
## 74	74	0	3
## 75	75	1	3
## 76	76	0	3
## 77	77	0	3
## 78	78	0	3
## 79	79	1	2
## 80	80	1	3
## 81	81	0	3
## 82	82	1	3
## 83	83	1	3
## 84	84	0	1
## 85	85	1	2
## 86	86	1	3
## 87	87	0	3
## 88	88	0	3
## 89	89	1	1
## 90	90	0	3
## 91	91	0	3
## 92	92	0	3
## 93	93	0	1
## 94	94	0	3
## 95	95	0	3

## 96	96	0	3
## 97	97	0	1
## 98	98	1	1
## 99	99	1	2
## 100	100	0	2
## 101	101	0	3
## 102	102	0	3
## 103	103	0	1
## 104	104	0	3
## 105	105	0	3
## 106	106	0	3
## 107	107	1	3
## 108	108	1	3
## 109	109	0	3
## 110	110	1	3
## 111	111	0	1
## 112	112	0	3
## 113	113	0	3
## 114	114	0	3
## 115	115	0	3
## 116	116	0	3
## 117	117	0	3
## 118	118	0	2
## 119	119	0	1
## 120	120	0	3
## 121	121	0	2
## 122	122	0	3
## 123	123	0	2
## 124	124	1	2
## 125	125	0	1
## 126	126	1	3
## 127	127	0	3
## 128	128	1	3
## 129	129	1	3
## 130	130	0	3
## 131	131	0	3
## 132	132	0	3
## 133	133	0	3
## 134	134	1	2
## 135	135	0	2
## 136	136	0	2
## 137	137	1	1
## 138	138	0	1
## 139	139	0	3
## 140	140	0	1
## 141	141	0	3
## 142	142	1	3
## 143	143	1	3
## 144	144	0	3
## 145	145	0	2
## 146	146	0	2
## 147	147	1	3
## 148	148	0	3
## 149	149	0	2

## 150	150	0	2
## 151	151	0	2
## 152	152	1	1
## 153	153	0	3
## 154	154	0	3
## 155	155	0	3
## 156	156	0	1
## 157	157	1	3
## 158	158	0	3
## 159	159	0	3
## 160	160	0	3
## 161	161	0	3
## 162	162	1	2
## 163	163	0	3
## 164	164	0	3
## 165	165	0	3
## 166	166	1	3
## 167	167	1	1
## 168	168	0	3
## 169	169	0	1
## 170	170	0	3
## 171	171	0	1
## 172	172	0	3
## 173	173	1	3
## 174	174	0	3
## 175	175	0	1
## 176	176	0	3
## 177	177	0	3
## 178	178	0	1
## 179	179	0	2
## 180	180	0	3
## 181	181	0	3
## 182	182	0	2
## 183	183	0	3
## 184	184	1	2
## 185	185	1	3
## 186	186	0	1
## 187	187	1	3
## 188	188	1	1
## 189	189	0	3
## 190	190	0	3
## 191	191	1	2
## 192	192	0	2
## 193	193	1	3
## 194	194	1	2
## 195	195	1	1
## 196	196	1	1
## 197	197	0	3
## 198	198	0	3
## 199	199	1	3
## 200	200	0	2
## 201	201	0	3
## 202	202	0	3
## 203	203	0	3

## 204	204	0	3
## 205	205	1	3
## 206	206	0	3
## 207	207	0	3
## 208	208	1	3
## 209	209	1	3
## 210	210	1	1
## 211	211	0	3
## 212	212	1	2
## 213	213	0	3
## 214	214	0	2
## 215	215	0	3
## 216	216	1	1
## 217	217	1	3
## 218	218	0	2
## 219	219	1	1
## 220	220	0	2
## 221	221	1	3
## 222	222	0	2
## 223	223	0	3
## 224	224	0	3
## 225	225	1	1
## 226	226	0	3
## 227	227	1	2
## 228	228	0	3
## 229	229	0	2
## 230	230	0	3
## 231	231	1	1
## 232	232	0	3
## 233	233	0	2
## 234	234	1	3
## 235	235	0	2
## 236	236	0	3
## 237	237	0	2
## 238	238	1	2
## 239	239	0	2
## 240	240	0	2
## 241	241	0	3
## 242	242	1	3
## 243	243	0	2
## 244	244	0	3
## 245	245	0	3
## 246	246	0	1
## 247	247	0	3
## 248	248	1	2
## 249	249	1	1
## 250	250	0	2
## 251	251	0	3
## 252	252	0	3
## 253	253	0	1
## 254	254	0	3
## 255	255	0	3
## 256	256	1	3
## 257	257	1	1

## 258	258	1	1
## 259	259	1	1
## 260	260	1	2
## 261	261	0	3
## 262	262	1	3
## 263	263	0	1
## 264	264	0	1
## 265	265	0	3
## 266	266	0	2
## 267	267	0	3
## 268	268	1	3
## 269	269	1	1
## 270	270	1	1
## 271	271	0	1
## 272	272	1	3
## 273	273	1	2
## 274	274	0	1
## 275	275	1	3
## 276	276	1	1
## 277	277	0	3
## 278	278	0	2
## 279	279	0	3
## 280	280	1	3
## 281	281	0	3
## 282	282	0	3
## 283	283	0	3
## 284	284	1	3
## 285	285	0	1
## 286	286	0	3
## 287	287	1	3
## 288	288	0	3
## 289	289	1	2
## 290	290	1	3
## 291	291	1	1
## 292	292	1	1
## 293	293	0	2
## 294	294	0	3
## 295	295	0	3
## 296	296	0	1
## 297	297	0	3
## 298	298	0	1
## 299	299	1	1
## 300	300	1	1
## 301	301	1	3
## 302	302	1	3
## 303	303	0	3
## 304	304	1	2
## 305	305	0	3
## 306	306	1	1
## 307	307	1	1
## 308	308	1	1
## 309	309	0	2
## 310	310	1	1
## 311	311	1	1

## 312	312	1	1
## 313	313	0	2
## 314	314	0	3
## 315	315	0	2
## 316	316	1	3
## 317	317	1	2
## 318	318	0	2
## 319	319	1	1
## 320	320	1	1
## 321	321	0	3
## 322	322	0	3
## 323	323	1	2
## 324	324	1	2
## 325	325	0	3
## 326	326	1	1
## 327	327	0	3
## 328	328	1	2
## 329	329	1	3
## 330	330	1	1
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## 332	332	0	1
## 333	333	0	1
## 334	334	0	3
## 335	335	1	1
## 336	336	0	3
## 337	337	0	1
## 338	338	1	1
## 339	339	1	3
## 340	340	0	1
## 341	341	1	2
## 342	342	1	1
## 343	343	0	2
## 344	344	0	2
## 345	345	0	2
## 346	346	1	2
## 347	347	1	2
## 348	348	1	3
## 349	349	1	3
## 350	350	0	3
## 351	351	0	3
## 352	352	0	1
## 353	353	0	3
## 354	354	0	3
## 355	355	0	3
## 356	356	0	3
## 357	357	1	1
## 358	358	0	2
## 359	359	1	3
## 360	360	1	3
## 361	361	0	3
## 362	362	0	2
## 363	363	0	3
## 364	364	0	3
## 365	365	0	3

## 366	366	0	3
## 367	367	1	1
## 368	368	1	3
## 369	369	1	3
## 370	370	1	1
## 371	371	1	1
## 372	372	0	3
## 373	373	0	3
## 374	374	0	1
## 375	375	0	3
## 376	376	1	1
## 377	377	1	3
## 378	378	0	1
## 379	379	0	3
## 380	380	0	3
## 381	381	1	1
## 382	382	1	3
## 383	383	0	3
## 384	384	1	1
## 385	385	0	3
## 386	386	0	2
## 387	387	0	3
## 388	388	1	2
## 389	389	0	3
## 390	390	1	2
## 391	391	1	1
## 392	392	1	3
## 393	393	0	3
## 394	394	1	1
## 395	395	1	3
## 396	396	0	3
## 397	397	0	3
## 398	398	0	2
## 399	399	0	2
## 400	400	1	2
## 401	401	1	3
## 402	402	0	3
## 403	403	0	3
## 404	404	0	3
## 405	405	0	3
## 406	406	0	2
## 407	407	0	3
## 408	408	1	2
## 409	409	0	3
## 410	410	0	3
## 411	411	0	3
## 412	412	0	3
## 413	413	1	1
## 414	414	0	2
## 415	415	1	3
## 416	416	0	3
## 417	417	1	2
## 418	418	1	2
## 419	419	0	2

## 420	420	0	3
## 421	421	0	3
## 422	422	0	3
## 423	423	0	3
## 424	424	0	3
## 425	425	0	3
## 426	426	0	3
## 427	427	1	2
## 428	428	1	2
## 429	429	0	3
## 430	430	1	3
## 431	431	1	1
## 432	432	1	3
## 433	433	1	2
## 434	434	0	3
## 435	435	0	1
## 436	436	1	1
## 437	437	0	3
## 438	438	1	2
## 439	439	0	1
## 440	440	0	2
## 441	441	1	2
## 442	442	0	3
## 443	443	0	3
## 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
## 451	451	0	2
## 452	452	0	3
## 453	453	0	1
## 454	454	1	1
## 455	455	0	3
## 456	456	1	3
## 457	457	0	1
## 458	458	1	1
## 459	459	1	2
## 460	460	0	3
## 461	461	1	1
## 462	462	0	3
## 463	463	0	1
## 464	464	0	2
## 465	465	0	3
## 466	466	0	3
## 467	467	0	2
## 468	468	0	1
## 469	469	0	3
## 470	470	1	3
## 471	471	0	3
## 472	472	0	3
## 473	473	1	2

## 474	474	1	2
## 475	475	0	3
## 476	476	0	1
## 477	477	0	2
## 478	478	0	3
## 479	479	0	3
## 480	480	1	3
## 481	481	0	3
## 482	482	0	2
## 483	483	0	3
## 484	484	1	3
## 485	485	1	1
## 486	486	0	3
## 487	487	1	1
## 488	488	0	1
## 489	489	0	3
## 490	490	1	3
## 491	491	0	3
## 492	492	0	3
## 493	493	0	1
## 494	494	0	1
## 495	495	0	3
## 496	496	0	3
## 497	497	1	1
## 498	498	0	3
## 499	499	0	1
## 500	500	0	3
## 501	501	0	3
## 502	502	0	3
## 503	503	0	3
## 504	504	0	3
## 505	505	1	1
## 506	506	0	1
## 507	507	1	2
## 508	508	1	1
## 509	509	0	3
## 510	510	1	3
## 511	511	1	3
## 512	512	0	3
## 513	513	1	1
## 514	514	1	1
## 515	515	0	3
## 516	516	0	1
## 517	517	1	2
## 518	518	0	3
## 519	519	1	2
## 520	520	0	3
## 521	521	1	1
## 522	522	0	3
## 523	523	0	3
## 524	524	1	1
## 525	525	0	3
## 526	526	0	3
## 527	527	1	2

## 528	528	0	1
## 529	529	0	3
## 530	530	0	2
## 531	531	1	2
## 532	532	0	3
## 533	533	0	3
## 534	534	1	3
## 535	535	0	3
## 536	536	1	2
## 537	537	0	1
## 538	538	1	1
## 539	539	0	3
## 540	540	1	1
## 541	541	1	1
## 542	542	0	3
## 543	543	0	3
## 544	544	1	2
## 545	545	0	1
## 546	546	0	1
## 547	547	1	2
## 548	548	1	2
## 549	549	0	3
## 550	550	1	2
## 551	551	1	1
## 552	552	0	2
## 553	553	0	3
## 554	554	1	3
## 555	555	1	3
## 556	556	0	1
## 557	557	1	1
## 558	558	0	1
## 559	559	1	1
## 560	560	1	3
## 561	561	0	3
## 562	562	0	3
## 563	563	0	2
## 564	564	0	3
## 565	565	0	3
## 566	566	0	3
## 567	567	0	3
## 568	568	0	3
## 569	569	0	3
## 570	570	1	3
## 571	571	1	2
## 572	572	1	1
## 573	573	1	1
## 574	574	1	3
## 575	575	0	3
## 576	576	0	3
## 577	577	1	2
## 578	578	1	1
## 579	579	0	3
## 580	580	1	3
## 581	581	1	2

## 582	582	1	1
## 583	583	0	2
## 584	584	0	1
## 585	585	0	3
## 586	586	1	1
## 587	587	0	2
## 588	588	1	1
## 589	589	0	3
## 590	590	0	3
## 591	591	0	3
## 592	592	1	1
## 593	593	0	3
## 594	594	0	3
## 595	595	0	2
## 596	596	0	3
## 597	597	1	2
## 598	598	0	3
## 599	599	0	3
## 600	600	1	1
## 601	601	1	2
## 602	602	0	3
## 603	603	0	1
## 604	604	0	3
## 605	605	1	1
## 606	606	0	3
## 607	607	0	3
## 608	608	1	1
## 609	609	1	2
## 610	610	1	1
## 611	611	0	3
## 612	612	0	3
## 613	613	1	3
## 614	614	0	3
## 615	615	0	3
## 616	616	1	2
## 617	617	0	3
## 618	618	0	3
## 619	619	1	2
## 620	620	0	2
## 621	621	0	3
## 622	622	1	1
## 623	623	1	3
## 624	624	0	3
## 625	625	0	3
## 626	626	0	1
## 627	627	0	2
## 628	628	1	1
## 629	629	0	3
## 630	630	0	3
## 631	631	1	1
## 632	632	0	3
## 633	633	1	1
## 634	634	0	1
## 635	635	0	3

## 636	636	1	2
## 637	637	0	3
## 638	638	0	2
## 639	639	0	3
## 640	640	0	3
## 641	641	0	3
## 642	642	1	1
## 643	643	0	3
## 644	644	1	3
## 645	645	1	3
## 646	646	1	1
## 647	647	0	3
## 648	648	1	1
## 649	649	0	3
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## 654	654	1	3
## 655	655	0	3
## 656	656	0	2
## 657	657	0	3
## 658	658	0	3
## 659	659	0	2
## 660	660	0	1
## 661	661	1	1
## 662	662	0	3
## 663	663	0	1
## 664	664	0	3
## 665	665	1	3
## 666	666	0	2
## 667	667	0	2
## 668	668	0	3
## 669	669	0	3
## 670	670	1	1
## 671	671	1	2
## 672	672	0	1
## 673	673	0	2
## 674	674	1	2
## 675	675	0	2
## 676	676	0	3
## 677	677	0	3
## 678	678	1	3
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## 684	684	0	3
## 685	685	0	2
## 686	686	0	2
## 687	687	0	3
## 688	688	0	3
## 689	689	0	3

## 690	690	1	1
## 691	691	1	1
## 692	692	1	3
## 693	693	1	3
## 694	694	0	3
## 695	695	0	1
## 696	696	0	2
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## 703	703	0	3
## 704	704	0	3
## 705	705	0	3
## 706	706	0	2
## 707	707	1	2
## 708	708	1	1
## 709	709	1	1
## 710	710	1	3
## 711	711	1	1
## 712	712	0	1
## 713	713	1	1
## 714	714	0	3
## 715	715	0	2
## 716	716	0	3
## 717	717	1	1
## 718	718	1	2
## 719	719	0	3
## 720	720	0	3
## 721	721	1	2
## 722	722	0	3
## 723	723	0	2
## 724	724	0	2
## 725	725	1	1
## 726	726	0	3
## 727	727	1	2
## 728	728	1	3
## 729	729	0	2
## 730	730	0	3
## 731	731	1	1
## 732	732	0	3
## 733	733	0	2
## 734	734	0	2
## 735	735	0	2
## 736	736	0	3
## 737	737	0	3
## 738	738	1	1
## 739	739	0	3
## 740	740	0	3
## 741	741	1	1
## 742	742	0	1
## 743	743	1	1

## 744	744	0	3
## 745	745	1	3
## 746	746	0	1
## 747	747	0	3
## 748	748	1	2
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## 756	756	1	2
## 757	757	0	3
## 758	758	0	2
## 759	759	0	3
## 760	760	1	1
## 761	761	0	3
## 762	762	0	3
## 763	763	1	3
## 764	764	1	1
## 765	765	0	3
## 766	766	1	1
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## 772	772	0	3
## 773	773	0	2
## 774	774	0	3
## 775	775	1	2
## 776	776	0	3
## 777	777	0	3
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## 779	779	0	3
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## 781	781	1	3
## 782	782	1	1
## 783	783	0	1
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## 786	786	0	3
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## 792	792	0	2
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## 794	794	0	1
## 795	795	0	3
## 796	796	0	2
## 797	797	1	1

## 798	798	1	3
## 799	799	0	3
## 800	800	0	3
## 801	801	0	2
## 802	802	1	2
## 803	803	1	1
## 804	804	1	3
## 805	805	1	3
## 806	806	0	3
## 807	807	0	1
## 808	808	0	3
## 809	809	0	2
## 810	810	1	1
## 811	811	0	3
## 812	812	0	3
## 813	813	0	2
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## 819	819	0	3
## 820	820	0	3
## 821	821	1	1
## 822	822	1	3
## 823	823	0	1
## 824	824	1	3
## 825	825	0	3
## 826	826	0	3
## 827	827	0	3
## 828	828	1	2
## 829	829	1	3
## 830	830	1	1
## 831	831	1	3
## 832	832	1	2
## 833	833	0	3
## 834	834	0	3
## 835	835	0	3
## 836	836	1	1
## 837	837	0	3
## 838	838	0	3
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## 841	841	0	3
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## 843	843	1	1
## 844	844	0	3
## 845	845	0	3
## 846	846	0	3
## 847	847	0	3
## 848	848	0	3
## 849	849	0	2
## 850	850	1	1
## 851	851	0	3

## 852	852	0	3
## 853	853	0	3
## 854	854	1	1
## 855	855	0	2
## 856	856	1	3
## 857	857	1	1
## 858	858	1	1
## 859	859	1	3
## 860	860	0	3
## 861	861	0	3
## 862	862	0	2
## 863	863	1	1
## 864	864	0	3
## 865	865	0	2
## 866	866	1	2
## 867	867	1	2
## 868	868	0	1
## 869	869	0	3
## 870	870	1	3
## 871	871	0	3
## 872	872	1	1
## 873	873	0	1
## 874	874	0	3
## 875	875	1	2
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## 879	879	0	3
## 880	880	1	1
## 881	881	1	2
## 882	882	0	3
## 883	883	0	3
## 884	884	0	2
## 885	885	0	3
## 886	886	0	3
## 887	887	0	2
## 888	888	1	1
## 889	889	0	3
## 890	890	1	1
## 891	891	0	3

##	Name
## 1	Braund, Mr. Owen Harris
## 2	Cumings, Mrs. John Bradley (Florence Briggs Thayer)
## 3	Heikkinen, Miss. Laina
## 4	Futrelle, Mrs. Jacques Heath (Lily May Peel)
## 5	Allen, Mr. William Henry
## 6	Moran, Mr. James
## 7	McCarthy, Mr. Timothy J
## 8	Palsson, Master. Gosta Leonard
## 9	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)
## 10	Nasser, Mrs. Nicholas (Adele Achem)
## 11	Sandstrom, Miss. Marguerite Rut
## 12	Bonnell, Miss. Elizabeth
## 13	Saunderscock, Mr. William Henry

14 Andersson, Mr. Anders Johan
 ## 15 Vestrom, Miss. Hulda Amanda Adolfina
 ## 16 Hewlett, Mrs. (Mary D Kingcome)
 ## 17 Rice, Master. Eugene
 ## 18 Williams, Mr. Charles Eugene
 ## 19 Vander Planke, Mrs. Julius (Emelia Maria Vandemoortele)
 ## 20 Masselmani, Mrs. Fatima
 ## 21 Fynney, Mr. Joseph J
 ## 22 Beesley, Mr. Lawrence
 ## 23 McGowan, Miss. Anna "Annie"
 ## 24 Sloper, Mr. William Thompson
 ## 25 Palsson, Miss. Torborg Danira
 ## 26 Asplund, Mrs. Carl Oscar (Selma Augusta Emilia Johansson)
 ## 27 Emir, Mr. Farred Chehab
 ## 28 Fortune, Mr. Charles Alexander
 ## 29 O'Dwyer, Miss. Ellen "Nellie"
 ## 30 Todoroff, Mr. Lalio
 ## 31 Uruchurtu, Don. Manuel E
 ## 32 Spencer, Mrs. William Augustus (Marie Eugenie)
 ## 33 Glynn, Miss. Mary Agatha
 ## 34 Wheadon, Mr. Edward H
 ## 35 Meyer, Mr. Edgar Joseph
 ## 36 Holverson, Mr. Alexander Oskar
 ## 37 Mamee, Mr. Hanna
 ## 38 Cann, Mr. Ernest Charles
 ## 39 Vander Planke, Miss. Augusta Maria
 ## 40 Nicola-Yarred, Miss. Jamila
 ## 41 Ahlin, Mrs. Johan (Johanna Persdotter Larsson)
 ## 42 Turpin, Mrs. William John Robert (Dorothy Ann Wonnacott)
 ## 43 Kraeff, Mr. Theodor
 ## 44 Laroche, Miss. Simonne Marie Anne Andree
 ## 45 Devaney, Miss. Margaret Delia
 ## 46 Rogers, Mr. William John
 ## 47 Lennon, Mr. Denis
 ## 48 O'Driscoll, Miss. Bridget
 ## 49 Samaan, Mr. Youssef
 ## 50 Arnold-Franchi, Mrs. Josef (Josefine Franchi)
 ## 51 Panula, Master. Juha Niilo
 ## 52 Nosworthy, Mr. Richard Cater
 ## 53 Harper, Mrs. Henry Sleeper (Myna Haxtun)
 ## 54 Faunthorpe, Mrs. Lizzie (Elizabeth Anne Wilkinson)
 ## 55 Ostby, Mr. Engelhart Cornelius
 ## 56 Woolner, Mr. Hugh
 ## 57 Rugg, Miss. Emily
 ## 58 Novel, Mr. Mansouer
 ## 59 West, Miss. Constance Mirium
 ## 60 Goodwin, Master. William Frederick
 ## 61 Sirayanian, Mr. Orsen
 ## 62 Icard, Miss. Amelie
 ## 63 Harris, Mr. Henry Birkhardt
 ## 64 Skoog, Master. Harald
 ## 65 Stewart, Mr. Albert A
 ## 66 Moubarek, Master. Gerios
 ## 67 Nye, Mrs. (Elizabeth Ramell)

## 68	Crease, Mr. Ernest James
## 69	Andersson, Miss. Erna Alexandra
## 70	Kink, Mr. Vincenz
## 71	Jenkin, Mr. Stephen Curnow
## 72	Goodwin, Miss. Lillian Amy
## 73	Hood, Mr. Ambrose Jr
## 74	Chronopoulos, Mr. Apostolos
## 75	Bing, Mr. Lee
## 76	Moen, Mr. Sigurd Hansen
## 77	Staneff, Mr. Ivan
## 78	Moutal, Mr. Rahamin Haim
## 79	Caldwell, Master. Alden Gates
## 80	Dowdell, Miss. Elizabeth
## 81	Waelens, Mr. Achille
## 82	Sheerlinck, Mr. Jan Baptist
## 83	McDermott, Miss. Brigdet Delia
## 84	Carrau, Mr. Francisco M
## 85	Ilett, Miss. Bertha
## 86	Backstrom, Mrs. Karl Alfred (Maria Mathilda Gustafsson)
## 87	Ford, Mr. William Neal
## 88	Slocovski, Mr. Selman Francis
## 89	Fortune, Miss. Mabel Helen
## 90	Celotti, Mr. Francesco
## 91	Christmann, Mr. Emil
## 92	Andreasson, Mr. Paul Edvin
## 93	Chaffee, Mr. Herbert Fuller
## 94	Dean, Mr. Bertram Frank
## 95	Coxon, Mr. Daniel
## 96	Shorney, Mr. Charles Joseph
## 97	Goldschmidt, Mr. George B
## 98	Greenfield, Mr. William Bertram
## 99	Doling, Mrs. John T (Ada Julia Bone)
## 100	Kantor, Mr. Sinai
## 101	Petranec, Miss. Matilda
## 102	Petroff, Mr. Pastcho ("Pentcho")
## 103	White, Mr. Richard Frasar
## 104	Johansson, Mr. Gustaf Joel
## 105	Gustafsson, Mr. Anders Vilhelm
## 106	Mionoff, Mr. Stoytcho
## 107	Salkjelsvik, Miss. Anna Kristine
## 108	Moss, Mr. Albert Johan
## 109	Rekic, Mr. Tido
## 110	Moran, Miss. Bertha
## 111	Porter, Mr. Walter Chamberlain
## 112	Zabour, Miss. Hileni
## 113	Barton, Mr. David John
## 114	Jussila, Miss. Katriina
## 115	Attalah, Miss. Malake
## 116	Pekoniemi, Mr. Edvard
## 117	Connors, Mr. Patrick
## 118	Turpin, Mr. William John Robert
## 119	Baxter, Mr. Quigg Edmond
## 120	Andersson, Miss. Ellis Anna Maria
## 121	Hickman, Mr. Stanley George

## 122	Moore, Mr. Leonard Charles
## 123	Nasser, Mr. Nicholas
## 124	Webber, Miss. Susan
## 125	White, Mr. Percival Wayland
## 126	Nicola-Yarred, Master. Elias
## 127	McMahon, Mr. Martin
## 128	Madsen, Mr. Fridtjof Arne
## 129	Peter, Miss. Anna
## 130	Ekstrom, Mr. Johan
## 131	Drazenoic, Mr. Jozef
## 132	Coelho, Mr. Domingos Fernandeo
## 133	Robins, Mrs. Alexander A (Grace Charity Laury)
## 134	Weisz, Mrs. Leopold (Mathilde Francoise Pedo)
## 135	Sobey, Mr. Samuel James Hayden
## 136	Richard, Mr. Emile
## 137	Newsom, Miss. Helen Monypeny
## 138	Futrelle, Mr. Jacques Heath
## 139	Osen, Mr. Olaf Elon
## 140	Giglio, Mr. Victor
## 141	Boulos, Mrs. Joseph (Sultana)
## 142	Nysten, Miss. Anna Sofia
## 143	Hakkarainen, Mrs. Pekka Pietari (Elin Matilda Dolck)
## 144	Burke, Mr. Jeremiah
## 145	Andrew, Mr. Edgardo Samuel
## 146	Nicholls, Mr. Joseph Charles
## 147	Andersson, Mr. August Edvard ("Wennerstrom")
## 148	Ford, Miss. Robina Maggie "Ruby"
## 149	Navratil, Mr. Michel ("Louis M Hoffman")
## 150	Byles, Rev. Thomas Roussel Davids
## 151	Bateman, Rev. Robert James
## 152	Pears, Mrs. Thomas (Edith Wearne)
## 153	Meo, Mr. Alfonzo
## 154	van Billiard, Mr. Austin Blyler
## 155	Olsen, Mr. Ole Martin
## 156	Williams, Mr. Charles Duane
## 157	Gilnagh, Miss. Katherine "Katie"
## 158	Corn, Mr. Harry
## 159	Smiljanic, Mr. Mile
## 160	Sage, Master. Thomas Henry
## 161	Cribb, Mr. John Hatfield
## 162	Watt, Mrs. James (Elizabeth "Bessie" Inglis Milne)
## 163	Bengtsson, Mr. John Viktor
## 164	Calic, Mr. Jovo
## 165	Panula, Master. Eino Viljami
## 166	Goldsmith, Master. Frank John William "Frankie"
## 167	Chibnall, Mrs. (Edith Martha Bowerman)
## 168	Skoog, Mrs. William (Anna Bernhardina Karlsson)
## 169	Baumann, Mr. John D
## 170	Ling, Mr. Lee
## 171	Van der hoef, Mr. Wyckoff
## 172	Rice, Master. Arthur
## 173	Johnson, Miss. Eleanor Ileen
## 174	Sivola, Mr. Antti Wilhelm
## 175	Smith, Mr. James Clinch

## 176	Klasen, Mr. Klas Albin
## 177	Lefebvre, Master. Henry Forbes
## 178	Isham, Miss. Ann Elizabeth
## 179	Hale, Mr. Reginald
## 180	Leonard, Mr. Lionel
## 181	Sage, Miss. Constance Gladys
## 182	Pernot, Mr. Rene
## 183	Asplund, Master. Clarence Gustaf Hugo
## 184	Becker, Master. Richard F
## 185	Kink-Heilmann, Miss. Luise Gretchen
## 186	Rood, Mr. Hugh Roscoe
## 187	O'Brien, Mrs. Thomas (Johanna "Hannah" Godfrey)
## 188	Romaine, Mr. Charles Hallace ("Mr C Rolmane")
## 189	Bourke, Mr. John
## 190	Turcin, Mr. Stjepan
## 191	Pinsky, Mrs. (Rosa)
## 192	Carbines, Mr. William
## 193	Andersen-Jensen, Miss. Carla Christine Nielsine
## 194	Navratil, Master. Michel M
## 195	Brown, Mrs. James Joseph (Margaret Tobin)
## 196	Lurette, Miss. Elise
## 197	Mernagh, Mr. Robert
## 198	Olsen, Mr. Karl Siegwart Andreas
## 199	Madigan, Miss. Margaret "Maggie"
## 200	Yrois, Miss. Henriette ("Mrs Harbeck")
## 201	Vande Walle, Mr. Nestor Cyriel
## 202	Sage, Mr. Frederick
## 203	Johanson, Mr. Jakob Alfred
## 204	Youseff, Mr. Gerious
## 205	Cohen, Mr. Gurshon "Gus"
## 206	Strom, Miss. Telma Matilda
## 207	Backstrom, Mr. Karl Alfred
## 208	Albimona, Mr. Nassef Cassem
## 209	Carr, Miss. Helen "Ellen"
## 210	Blank, Mr. Henry
## 211	Ali, Mr. Ahmed
## 212	Cameron, Miss. Clear Annie
## 213	Perkin, Mr. John Henry
## 214	Givard, Mr. Hans Kristensen
## 215	Kiernan, Mr. Philip
## 216	Newell, Miss. Madeleine
## 217	Honkanen, Miss. Eliina
## 218	Jacobsohn, Mr. Sidney Samuel
## 219	Bazzani, Miss. Albina
## 220	Harris, Mr. Walter
## 221	Sunderland, Mr. Victor Francis
## 222	Bracken, Mr. James H
## 223	Green, Mr. George Henry
## 224	Nenkoff, Mr. Christo
## 225	Hoyt, Mr. Frederick Maxfield
## 226	Berglund, Mr. Karl Ivar Sven
## 227	Mellors, Mr. William John
## 228	Lovell, Mr. John Hall ("Henry")
## 229	Fahlstrom, Mr. Arne Jonas

## 230	Lefebvre, Miss. Mathilde
## 231	Harris, Mrs. Henry Birkhardt (Irene Wallach)
## 232	Larsson, Mr. Bengt Edvin
## 233	Sjostedt, Mr. Ernst Adolf
## 234	Asplund, Miss. Lillian Gertrud
## 235	Leyson, Mr. Robert William Norman
## 236	Harknett, Miss. Alice Phoebe
## 237	Hold, Mr. Stephen
## 238	Collyer, Miss. Marjorie "Lottie"
## 239	Pengelly, Mr. Frederick William
## 240	Hunt, Mr. George Henry
## 241	Zabour, Miss. Thamine
## 242	Murphy, Miss. Katherine "Kate"
## 243	Coleridge, Mr. Reginald Charles
## 244	Maenpaa, Mr. Matti Alexanteri
## 245	Attalah, Mr. Sleiman
## 246	Minahan, Dr. William Edward
## 247	Lindahl, Miss. Agda Thorilda Viktoria
## 248	Hamalainen, Mrs. William (Anna)
## 249	Beckwith, Mr. Richard Leonard
## 250	Carter, Rev. Ernest Courtenay
## 251	Reed, Mr. James George
## 252	Strom, Mrs. Wilhelm (Elna Matilda Persson)
## 253	Stead, Mr. William Thomas
## 254	Lobb, Mr. William Arthur
## 255	Rosblom, Mrs. Viktor (Helena Wilhelmina)
## 256	Touma, Mrs. Darwis (Hanne Youssef Razi)
## 257	Thorne, Mrs. Gertrude Maybelle
## 258	Cherry, Miss. Gladys
## 259	Ward, Miss. Anna
## 260	Parrish, Mrs. (Lutie Davis)
## 261	Smith, Mr. Thomas
## 262	Asplund, Master. Edvin Rojj Felix
## 263	Taussig, Mr. Emil
## 264	Harrison, Mr. William
## 265	Henry, Miss. Delia
## 266	Reeves, Mr. David
## 267	Panula, Mr. Ernesti Arvid
## 268	Persson, Mr. Ernst Ulrik
## 269	Graham, Mrs. William Thompson (Edith Junkins)
## 270	Bissette, Miss. Amelia
## 271	Cairns, Mr. Alexander
## 272	Tornquist, Mr. William Henry
## 273	Mellinger, Mrs. (Elizabeth Anne Maidment)
## 274	Natsch, Mr. Charles H
## 275	Healy, Miss. Hanora "Nora"
## 276	Andrews, Miss. Kornelia Theodosia
## 277	Lindblom, Miss. Augusta Charlotta
## 278	Parkes, Mr. Francis "Frank"
## 279	Rice, Master. Eric
## 280	Abbott, Mrs. Stanton (Rosa Hunt)
## 281	Duane, Mr. Frank
## 282	Olsson, Mr. Nils Johan Goransson
## 283	de Pelsmaecker, Mr. Alfons

## 284	Dorking, Mr. Edward Arthur
## 285	Smith, Mr. Richard William
## 286	Stankovic, Mr. Ivan
## 287	de Mulder, Mr. Theodore
## 288	Naidenoff, Mr. Penko
## 289	Hosono, Mr. Masabumi
## 290	Connolly, Miss. Kate
## 291	Barber, Miss. Ellen "Nellie"
## 292	Bishop, Mrs. Dickinson H (Helen Walton)
## 293	Levy, Mr. Rene Jacques
## 294	Haas, Miss. Aloisia
## 295	Mineff, Mr. Ivan
## 296	Lewy, Mr. Ervin G
## 297	Hanna, Mr. Mansour
## 298	Allison, Miss. Helen Loraine
## 299	Saalfeld, Mr. Adolphe
## 300	Baxter, Mrs. James (Helene DeLaudeniére Chaput)
## 301	Kelly, Miss. Anna Katherine "Annie Kate"
## 302	McCoy, Mr. Bernard
## 303	Johnson, Mr. William Cahoon Jr
## 304	Keane, Miss. Nora A
## 305	Williams, Mr. Howard Hugh "Harry"
## 306	Allison, Master. Hudson Trevor
## 307	Fleming, Miss. Margaret
## 308	Penasco y Castellana, Mrs. Victor de Satode (Maria Josefa Perez de Soto y Vallejo)
## 309	Abelson, Mr. Samuel
## 310	Francatelli, Miss. Laura Mabel
## 311	Hays, Miss. Margaret Bechstein
## 312	Ryerson, Miss. Emily Borie
## 313	Lahtinen, Mrs. William (Anna Sylfven)
## 314	Hendekovic, Mr. Ignjac
## 315	Hart, Mr. Benjamin
## 316	Nilsson, Miss. Helmina Josefina
## 317	Kantor, Mrs. Sinai (Miriam Sternin)
## 318	Moraweck, Dr. Ernest
## 319	Wick, Miss. Mary Natalie
## 320	Spedden, Mrs. Frederic Oakley (Margaretta Corning Stone)
## 321	Dennis, Mr. Samuel
## 322	Danoff, Mr. Yoto
## 323	Slayter, Miss. Hilda Mary
## 324	Caldwell, Mrs. Albert Francis (Sylvia Mae Harbaugh)
## 325	Sage, Mr. George John Jr
## 326	Young, Miss. Marie Grice
## 327	Nysveen, Mr. Johan Hansen
## 328	Ball, Mrs. (Ada E Hall)
## 329	Goldsmith, Mrs. Frank John (Emily Alice Brown)
## 330	Hippach, Miss. Jean Gertrude
## 331	McCoy, Miss. Agnes
## 332	Partner, Mr. Austen
## 333	Graham, Mr. George Edward
## 334	Vander Planke, Mr. Leo Edmondus
## 335	Frauenthal, Mrs. Henry William (Clara Heinsheimer)
## 336	Denkoff, Mr. Mitto
## 337	Pears, Mr. Thomas Clinton

## 338	Burns, Miss. Elizabeth Margaret
## 339	Dahl, Mr. Karl Edwart
## 340	Blackwell, Mr. Stephen Weart
## 341	Navratil, Master. Edmond Roger
## 342	Fortune, Miss. Alice Elizabeth
## 343	Collander, Mr. Erik Gustaf
## 344	Sedgwick, Mr. Charles Frederick Waddington
## 345	Fox, Mr. Stanley Hubert
## 346	Brown, Miss. Amelia "Mildred"
## 347	Smith, Miss. Marion Elsie
## 348	Davison, Mrs. Thomas Henry (Mary E Finck)
## 349	Coutts, Master. William Loch "William"
## 350	Dimic, Mr. Jovan
## 351	Odahl, Mr. Nils Martin
## 352	Williams-Lambert, Mr. Fletcher Fellows
## 353	Elias, Mr. Tannous
## 354	Arnold-Franchi, Mr. Josef
## 355	Yousif, Mr. Wazli
## 356	Vanden Steen, Mr. Leo Peter
## 357	Bowerman, Miss. Elsie Edith
## 358	Funk, Miss. Annie Clemmer
## 359	McGovern, Miss. Mary
## 360	Mockler, Miss. Helen Mary "Ellie"
## 361	Skoog, Mr. Wilhelm
## 362	del Carlo, Mr. Sebastiano
## 363	Barbara, Mrs. (Catherine David)
## 364	Asim, Mr. Adola
## 365	O'Brien, Mr. Thomas
## 366	Adahl, Mr. Mauritz Nils Martin
## 367	Warren, Mrs. Frank Manley (Anna Sophia Atkinson)
## 368	Moussa, Mrs. (Mantoura Boulos)
## 369	Jermyn, Miss. Annie
## 370	Aubart, Mme. Leontine Pauline
## 371	Harder, Mr. George Achilles
## 372	Wiklund, Mr. Jakob Alfred
## 373	Beavan, Mr. William Thomas
## 374	Ringhini, Mr. Sante
## 375	Palsson, Miss. Stina Viola
## 376	Meyer, Mrs. Edgar Joseph (Leila Saks)
## 377	Landergren, Miss. Aurora Adelia
## 378	Widener, Mr. Harry Elkins
## 379	Betros, Mr. Tannous
## 380	Gustafsson, Mr. Karl Gideon
## 381	Bidois, Miss. Rosalie
## 382	Nakid, Miss. Maria ("Mary")
## 383	Tikkanen, Mr. Juho
## 384	Holverson, Mrs. Alexander Oskar (Mary Aline Towner)
## 385	Plotcharsky, Mr. Vasil
## 386	Davies, Mr. Charles Henry
## 387	Goodwin, Master. Sidney Leonard
## 388	Buss, Miss. Kate
## 389	Sadlier, Mr. Matthew
## 390	Lehmann, Miss. Bertha
## 391	Carter, Mr. William Ernest

## 392	Jansson, Mr. Carl Olof
## 393	Gustafsson, Mr. Johan Birger
## 394	Newell, Miss. Marjorie
## 395	Sandstrom, Mrs. Hjalmar (Agnes Charlotta Bengtsson)
## 396	Johansson, Mr. Erik
## 397	Olsson, Miss. Elina
## 398	McKane, Mr. Peter David
## 399	Pain, Dr. Alfred
## 400	Trout, Mrs. William H (Jessie L)
## 401	Niskanen, Mr. Juha
## 402	Adams, Mr. John
## 403	Jussila, Miss. Mari Aina
## 404	Hakkarainen, Mr. Pekka Pietari
## 405	Oreskovic, Miss. Marija
## 406	Gale, Mr. Shadrach
## 407	Widegren, Mr. Carl/Charles Peter
## 408	Richards, Master. William Rowe
## 409	Birkeland, Mr. Hans Martin Monsen
## 410	Lefebre, Miss. Ida
## 411	Sdycoff, Mr. Todor
## 412	Hart, Mr. Henry
## 413	Minahan, Miss. Daisy E
## 414	Cunningham, Mr. Alfred Fleming
## 415	Sundman, Mr. Johan Julian
## 416	Meek, Mrs. Thomas (Annie Louise Rowley)
## 417	Drew, Mrs. James Vivian (Lulu Thorne Christian)
## 418	Silven, Miss. Lyyli Karoliina
## 419	Matthews, Mr. William John
## 420	Van Impe, Miss. Catharina
## 421	Gheorgheff, Mr. Stanio
## 422	Charters, Mr. David
## 423	Zimmerman, Mr. Leo
## 424	Danbom, Mrs. Ernst Gilbert (Anna Sigrid Maria Brogren)
## 425	Rosblom, Mr. Viktor Richard
## 426	Wiseman, Mr. Phillippe
## 427	Clarke, Mrs. Charles V (Ada Maria Winfield)
## 428	Phillips, Miss. Kate Florence ("Mrs Kate Louise Phillips Marshall")
## 429	Flynn, Mr. James
## 430	Pickard, Mr. Berk (Berk Trembisky)
## 431	Bjornstrom-Steffansson, Mr. Mauritz Hakan
## 432	Thorneycroft, Mrs. Percival (Florence Kate White)
## 433	Louch, Mrs. Charles Alexander (Alice Adelaide Slow)
## 434	Kallio, Mr. Nikolai Erland
## 435	Silvey, Mr. William Baird
## 436	Carter, Miss. Lucile Polk
## 437	Ford, Miss. Doolina Margaret "Daisy"
## 438	Richards, Mrs. Sidney (Emily Hocking)
## 439	Fortune, Mr. Mark
## 440	Kvillner, Mr. Johan Henrik Johannesson
## 441	Hart, Mrs. Benjamin (Esther Ada Bloomfield)
## 442	Hampe, Mr. Leon
## 443	Petterson, Mr. Johan Emil
## 444	Reynaldo, Ms. Encarnacion
## 445	Johannesen-Bratthammer, Mr. Bernt

## 446	Dodge, Master. Washington
## 447	Mellinger, Miss. Madeleine Violet
## 448	Seward, Mr. Frederic Kimber
## 449	Baclini, Miss. Marie Catherine
## 450	Peuchen, Major. Arthur Godfrey
## 451	West, Mr. Edwy Arthur
## 452	Hagland, Mr. Ingvald Olai Olsen
## 453	Foreman, Mr. Benjamin Laventall
## 454	Goldenberg, Mr. Samuel L
## 455	Peduzzi, Mr. Joseph
## 456	Jalsevac, Mr. Ivan
## 457	Millet, Mr. Francis Davis
## 458	Kenyon, Mrs. Frederick R (Marion)
## 459	Toomey, Miss. Ellen
## 460	O'Connor, Mr. Maurice
## 461	Anderson, Mr. Harry
## 462	Morley, Mr. William
## 463	Gee, Mr. Arthur H
## 464	Milling, Mr. Jacob Christian
## 465	Maisner, Mr. Simon
## 466	Goncalves, Mr. Manuel Estanslas
## 467	Campbell, Mr. William
## 468	Smart, Mr. John Montgomery
## 469	Scanlan, Mr. James
## 470	Baclini, Miss. Helene Barbara
## 471	Keefe, Mr. Arthur
## 472	Cacic, Mr. Luka
## 473	West, Mrs. Edwy Arthur (Ada Mary Worth)
## 474	Jerwan, Mrs. Amin S (Marie Marthe Thuillard)
## 475	Strandberg, Miss. Ida Sofia
## 476	Clifford, Mr. George Quincy
## 477	Renouf, Mr. Peter Henry
## 478	Braund, Mr. Lewis Richard
## 479	Karlsson, Mr. Nils August
## 480	Hirvonen, Miss. Hildur E
## 481	Goodwin, Master. Harold Victor
## 482	Frost, Mr. Anthony Wood "Archie"
## 483	Rouse, Mr. Richard Henry
## 484	Turkula, Mrs. (Hedwig)
## 485	Bishop, Mr. Dickinson H
## 486	Lefebvre, Miss. Jeannie
## 487	Hoyt, Mrs. Frederick Maxfield (Jane Anne Forby)
## 488	Kent, Mr. Edward Austin
## 489	Somerton, Mr. Francis William
## 490	Coutts, Master. Eden Leslie "Neville"
## 491	Hagland, Mr. Konrad Mathias Reiersen
## 492	Windelov, Mr. Einar
## 493	Molson, Mr. Harry Markland
## 494	Artagaveytia, Mr. Ramon
## 495	Stanley, Mr. Edward Roland
## 496	Yousseff, Mr. Gerious
## 497	Eustis, Miss. Elizabeth Mussey
## 498	Shellard, Mr. Frederick William
## 499	Allison, Mrs. Hudson J C (Bessie Waldo Daniels)

## 500	Svensson, Mr. Olof
## 501	Calic, Mr. Petar
## 502	Canavan, Miss. Mary
## 503	O'Sullivan, Miss. Bridget Mary
## 504	Laitinen, Miss. Kristina Sofia
## 505	Maioni, Miss. Roberta
## 506	Penasco y Castellana, Mr. Victor de Satode
## 507	Quick, Mrs. Frederick Charles (Jane Richards)
## 508	Bradley, Mr. George ("George Arthur Brayton")
## 509	Olsen, Mr. Henry Margido
## 510	Lang, Mr. Fang
## 511	Daly, Mr. Eugene Patrick
## 512	Webber, Mr. James
## 513	McGough, Mr. James Robert
## 514	Rothschild, Mrs. Martin (Elizabeth L. Barrett)
## 515	Coleff, Mr. Satio
## 516	Walker, Mr. William Anderson
## 517	Lemore, Mrs. (Amelia Milley)
## 518	Ryan, Mr. Patrick
## 519	Angle, Mrs. William A (Florence "Mary" Agnes Hughes)
## 520	Pavlovic, Mr. Stefo
## 521	Perreault, Miss. Anne
## 522	Vovk, Mr. Janko
## 523	Lahoud, Mr. Sarkis
## 524	Hippach, Mrs. Louis Albert (Ida Sophia Fischer)
## 525	Kassem, Mr. Fared
## 526	Farrell, Mr. James
## 527	Ridsdale, Miss. Lucy
## 528	Farthing, Mr. John
## 529	Salonen, Mr. Johan Werner
## 530	Hocking, Mr. Richard George
## 531	Quick, Miss. Phyllis May
## 532	Toufik, Mr. Nakli
## 533	Elias, Mr. Joseph Jr
## 534	Peter, Mrs. Catherine (Catherine Rizk)
## 535	Cacic, Miss. Marija
## 536	Hart, Miss. Eva Miriam
## 537	Butt, Major. Archibald Willingham
## 538	LeRoy, Miss. Bertha
## 539	Risien, Mr. Samuel Beard
## 540	Frolicher, Miss. Hedwig Margaritha
## 541	Crosby, Miss. Harriet R
## 542	Andersson, Miss. Ingeborg Constanzia
## 543	Andersson, Miss. Sigrid Elisabeth
## 544	Beane, Mr. Edward
## 545	Douglas, Mr. Walter Donald
## 546	Nicholson, Mr. Arthur Ernest
## 547	Beane, Mrs. Edward (Ethel Clarke)
## 548	Padro y Manent, Mr. Julian
## 549	Goldsmith, Mr. Frank John
## 550	Davies, Master. John Morgan Jr
## 551	Thayer, Mr. John Borland Jr
## 552	Sharp, Mr. Percival James R
## 553	O'Brien, Mr. Timothy

554 Leeni, Mr. Fahim ("Philip Zenni")
 ## 555 Ohman, Miss. Velin
 ## 556 Wright, Mr. George
 ## 557 Duff Gordon, Lady. (Lucille Christiana Sutherland) ("Mrs Morgan")
 ## 558 Robbins, Mr. Victor
 ## 559 Taussig, Mrs. Emil (Tillie Mandelbaum)
 ## 560 de Messemaeker, Mrs. Guillaume Joseph (Emma)
 ## 561 Morrow, Mr. Thomas Rowan
 ## 562 Sivic, Mr. Husein
 ## 563 Norman, Mr. Robert Douglas
 ## 564 Simmons, Mr. John
 ## 565 Meanwell, Miss. (Marion Ogden)
 ## 566 Davies, Mr. Alfred J
 ## 567 Stoytcheff, Mr. Ilia
 ## 568 Palsson, Mrs. Nils (Alma Cornelia Berglund)
 ## 569 Doharr, Mr. Tannous
 ## 570 Jonsson, Mr. Carl
 ## 571 Harris, Mr. George
 ## 572 Appleton, Mrs. Edward Dale (Charlotte Lamson)
 ## 573 Flynn, Mr. John Irwin ("Irving")
 ## 574 Kelly, Miss. Mary
 ## 575 Rush, Mr. Alfred George John
 ## 576 Patchett, Mr. George
 ## 577 Garside, Miss. Ethel
 ## 578 Silvey, Mrs. William Baird (Alice Munger)
 ## 579 Caram, Mrs. Joseph (Maria Elias)
 ## 580 Jussila, Mr. Eiriik
 ## 581 Christy, Miss. Julie Rachel
 ## 582 Thayer, Mrs. John Borland (Marian Longstreth Morris)
 ## 583 Downton, Mr. William James
 ## 584 Ross, Mr. John Hugo
 ## 585 Paulner, Mr. Uscher
 ## 586 Taussig, Miss. Ruth
 ## 587 Jarvis, Mr. John Denzil
 ## 588 Frolicher-Stehli, Mr. Maxmillian
 ## 589 Gilinski, Mr. Eliezer
 ## 590 Murdlin, Mr. Joseph
 ## 591 Rintamaki, Mr. Matti
 ## 592 Stephenson, Mrs. Walter Bertram (Martha Eustis)
 ## 593 Elsbury, Mr. William James
 ## 594 Bourke, Miss. Mary
 ## 595 Chapman, Mr. John Henry
 ## 596 Van Impe, Mr. Jean Baptiste
 ## 597 Leitch, Miss. Jessie Wills
 ## 598 Johnson, Mr. Alfred
 ## 599 Boulos, Mr. Hanna
 ## 600 Duff Gordon, Sir. Cosmo Edmund ("Mr Morgan")
 ## 601 Jacobsohn, Mrs. Sidney Samuel (Amy Frances Christy)
 ## 602 Slabenoff, Mr. Petco
 ## 603 Harrington, Mr. Charles H
 ## 604 Torber, Mr. Ernst William
 ## 605 Homer, Mr. Harry ("Mr E Haven")
 ## 606 Lindell, Mr. Edvard Bengtsson
 ## 607 Karaic, Mr. Milan

## 608	Daniel, Mr. Robert Williams
## 609	Laroche, Mrs. Joseph (Juliette Marie Louise Lafargue)
## 610	Shutes, Miss. Elizabeth W
## 611	Andersson, Mrs. Anders Johan (Alfrida Konstantia Brogren)
## 612	Jardin, Mr. Jose Neto
## 613	Murphy, Miss. Margaret Jane
## 614	Horgan, Mr. John
## 615	Brocklebank, Mr. William Alfred
## 616	Herman, Miss. Alice
## 617	Danbom, Mr. Ernst Gilbert
## 618	Lobb, Mrs. William Arthur (Cordelia K Stanlick)
## 619	Becker, Miss. Marion Louise
## 620	Gavey, Mr. Lawrence
## 621	Yasbeck, Mr. Antoni
## 622	Kimball, Mr. Edwin Nelson Jr
## 623	Nakid, Mr. Sahid
## 624	Hansen, Mr. Henry Damsgaard
## 625	Bowen, Mr. David John "Dai"
## 626	Sutton, Mr. Frederick
## 627	Kirkland, Rev. Charles Leonard
## 628	Longley, Miss. Gretchen Fiske
## 629	Bostandyeff, Mr. Guentcho
## 630	O'Connell, Mr. Patrick D
## 631	Barkworth, Mr. Algernon Henry Wilson
## 632	Lundahl, Mr. Johan Svensson
## 633	Stahelin-Maeglin, Dr. Max
## 634	Parr, Mr. William Henry Marsh
## 635	Skoog, Miss. Mabel
## 636	Davis, Miss. Mary
## 637	Leinonen, Mr. Antti Gustaf
## 638	Collyer, Mr. Harvey
## 639	Panula, Mrs. Juha (Maria Emilia Ojala)
## 640	Thorneycroft, Mr. Percival
## 641	Jensen, Mr. Hans Peder
## 642	Sagesser, Mlle. Emma
## 643	Skoog, Miss. Margit Elizabeth
## 644	Foo, Mr. Choong
## 645	Baclini, Miss. Eugenie
## 646	Harper, Mr. Henry Sleeper
## 647	Cor, Mr. Liudevit
## 648	Simonius-Blumer, Col. Oberst Alfons
## 649	Willey, Mr. Edward
## 650	Stanley, Miss. Amy Zillah Elsie
## 651	Mitkoff, Mr. Mito
## 652	Doling, Miss. Elsie
## 653	Kalvik, Mr. Johannes Halvorsen
## 654	O'Leary, Miss. Hanora "Norah"
## 655	Hegarty, Miss. Hanora "Nora"
## 656	Hickman, Mr. Leonard Mark
## 657	Radef, Mr. Alexander
## 658	Bourke, Mrs. John (Catherine)
## 659	Eitemiller, Mr. George Floyd
## 660	Newell, Mr. Arthur Webster
## 661	Frauenthal, Dr. Henry William

## 662	Badt, Mr. Mohamed
## 663	Colley, Mr. Edward Pomeroy
## 664	Coleff, Mr. Peju
## 665	Lindqvist, Mr. Eino William
## 666	Hickman, Mr. Lewis
## 667	Butler, Mr. Reginald Fenton
## 668	Rommetvedt, Mr. Knud Paust
## 669	Cook, Mr. Jacob
## 670	Taylor, Mrs. Elmer Zebley (Juliet Cummins Wright)
## 671	Brown, Mrs. Thomas William Solomon (Elizabeth Catherine Ford)
## 672	Davidson, Mr. Thornton
## 673	Mitchell, Mr. Henry Michael
## 674	Wilhelms, Mr. Charles
## 675	Watson, Mr. Ennis Hastings
## 676	Edvardsson, Mr. Gustaf Hjalmar
## 677	Sawyer, Mr. Frederick Charles
## 678	Turja, Miss. Anna Sofia
## 679	Goodwin, Mrs. Frederick (Augusta Tyler)
## 680	Cardeza, Mr. Thomas Drake Martinez
## 681	Peters, Miss. Katie
## 682	Hassab, Mr. Hammad
## 683	Olsvigen, Mr. Thor Anderson
## 684	Goodwin, Mr. Charles Edward
## 685	Brown, Mr. Thomas William Solomon
## 686	Laroche, Mr. Joseph Philippe Lemercier
## 687	Panula, Mr. Jaako Arnold
## 688	Dakic, Mr. Branko
## 689	Fischer, Mr. Eberhard Thelander
## 690	Madill, Miss. Georgette Alexandra
## 691	Dick, Mr. Albert Adrian
## 692	Karun, Miss. Manca
## 693	Lam, Mr. Ali
## 694	Saad, Mr. Khalil
## 695	Weir, Col. John
## 696	Chapman, Mr. Charles Henry
## 697	Kelly, Mr. James
## 698	Mullens, Miss. Katherine "Katie"
## 699	Thayer, Mr. John Borland
## 700	Humbler, Mr. Adolf Mathias Nicolai Olsen
## 701	Astor, Mrs. John Jacob (Madeleine Talmadge Force)
## 702	Silverthorne, Mr. Spencer Victor
## 703	Barbara, Miss. Saiide
## 704	Gallagher, Mr. Martin
## 705	Hansen, Mr. Henrik Juul
## 706	Morley, Mr. Henry Samuel ("Mr Henry Marshall")
## 707	Kelly, Mrs. Florence "Fannie"
## 708	Calderhead, Mr. Edward Pennington
## 709	Cleaver, Miss. Alice
## 710	Moubarek, Master. Halim Gonios ("William George")
## 711	Mayne, Mlle. Berthe Antonine ("Mrs de Villiers")
## 712	Klaber, Mr. Herman
## 713	Taylor, Mr. Elmer Zebley
## 714	Larsson, Mr. August Viktor
## 715	Greenberg, Mr. Samuel

## 716	Soholt, Mr. Peter Andreas Lauritz Andersen
## 717	Endres, Miss. Caroline Louise
## 718	Troutt, Miss. Edwina Celia "Winnie"
## 719	McEvoy, Mr. Michael
## 720	Johnson, Mr. Malkolm Joackim
## 721	Harper, Miss. Annie Jessie "Nina"
## 722	Jensen, Mr. Svend Lauritz
## 723	Gillespie, Mr. William Henry
## 724	Hodges, Mr. Henry Price
## 725	Chambers, Mr. Norman Campbell
## 726	Oreskovic, Mr. Luka
## 727	Renouf, Mrs. Peter Henry (Lillian Jefferys)
## 728	Mannion, Miss. Margareth
## 729	Bryhl, Mr. Kurt Arnold Gottfrid
## 730	Ilmakangas, Miss. Pieta Sofia
## 731	Allen, Miss. Elisabeth Walton
## 732	Hassan, Mr. Houssein G N
## 733	Knight, Mr. Robert J
## 734	Berriman, Mr. William John
## 735	Troupiansky, Mr. Moses Aaron
## 736	Williams, Mr. Leslie
## 737	Ford, Mrs. Edward (Margaret Ann Watson)
## 738	Lesurer, Mr. Gustave J
## 739	Ivanoff, Mr. Kanio
## 740	Nankoff, Mr. Minko
## 741	Hawksford, Mr. Walter James
## 742	Cavendish, Mr. Tyrell William
## 743	Ryerson, Miss. Susan Parker "Suzette"
## 744	McNamee, Mr. Neal
## 745	Stranden, Mr. Juho
## 746	Crosby, Capt. Edward Gifford
## 747	Abbott, Mr. Rossmore Edward
## 748	Sinkkonen, Miss. Anna
## 749	Marvin, Mr. Daniel Warner
## 750	Connaghton, Mr. Michael
## 751	Wells, Miss. Joan
## 752	Moor, Master. Meier
## 753	Vande Velde, Mr. Johannes Joseph
## 754	Jonkoff, Mr. Lelio
## 755	Herman, Mrs. Samuel (Jane Laver)
## 756	Hamalainen, Master. Viljo
## 757	Carlsson, Mr. August Sigfrid
## 758	Bailey, Mr. Percy Andrew
## 759	Theobald, Mr. Thomas Leonard
## 760	Roths, the Countess. of (Lucy Noel Martha Dyer-Edwards)
## 761	Garfirth, Mr. John
## 762	Nirva, Mr. Iisakki Antino Aijo
## 763	Barah, Mr. Hanna Assi
## 764	Carter, Mrs. William Ernest (Lucile Polk)
## 765	Eklund, Mr. Hans Linus
## 766	Hogeboom, Mrs. John C (Anna Andrews)
## 767	Brewe, Dr. Arthur Jackson
## 768	Mangan, Miss. Mary
## 769	Moran, Mr. Daniel J

## 770	Gronnestad, Mr. Daniel Danielsen
## 771	Lievens, Mr. Rene Aime
## 772	Jensen, Mr. Niels Peder
## 773	Mack, Mrs. (Mary)
## 774	Elias, Mr. Dibo
## 775	Hocking, Mrs. Elizabeth (Eliza Needs)
## 776	Myhrman, Mr. Pehr Fabian Oliver Malkolm
## 777	Tobin, Mr. Roger
## 778	Emanuel, Miss. Virginia Ethel
## 779	Kilgannon, Mr. Thomas J
## 780	Robert, Mrs. Edward Scott (Elisabeth Walton McMillan)
## 781	Ayoub, Miss. Banoura
## 782	Dick, Mrs. Albert Adrian (Vera Gillespie)
## 783	Long, Mr. Milton Clyde
## 784	Johnston, Mr. Andrew G
## 785	Ali, Mr. William
## 786	Harmer, Mr. Abraham (David Lishin)
## 787	Sjoblom, Miss. Anna Sofia
## 788	Rice, Master. George Hugh
## 789	Dean, Master. Bertram Vere
## 790	Guggenheim, Mr. Benjamin
## 791	Keane, Mr. Andrew "Andy"
## 792	Gaskell, Mr. Alfred
## 793	Sage, Miss. Stella Anna
## 794	Hoyt, Mr. William Fisher
## 795	Dantcheff, Mr. Ristiu
## 796	Otter, Mr. Richard
## 797	Leader, Dr. Alice (Farnham)
## 798	Osman, Mrs. Mara
## 799	Ibrahim Shawah, Mr. Yousseff
## 800	Van Impe, Mrs. Jean Baptiste (Rosalie Paula Govaert)
## 801	Ponesell, Mr. Martin
## 802	Collyer, Mrs. Harvey (Charlotte Annie Tate)
## 803	Carter, Master. William Thornton II
## 804	Thomas, Master. Assad Alexander
## 805	Hedman, Mr. Oskar Arvid
## 806	Johansson, Mr. Karl Johan
## 807	Andrews, Mr. Thomas Jr
## 808	Pettersson, Miss. Ellen Natalia
## 809	Meyer, Mr. August
## 810	Chambers, Mrs. Norman Campbell (Bertha Griggs)
## 811	Alexander, Mr. William
## 812	Lester, Mr. James
## 813	Slemen, Mr. Richard James
## 814	Andersson, Miss. Ebba Iris Alfrida
## 815	Tomlin, Mr. Ernest Portage
## 816	Fry, Mr. Richard
## 817	Heininen, Miss. Wendla Maria
## 818	Mallet, Mr. Albert
## 819	Holm, Mr. John Fredrik Alexander
## 820	Skoog, Master. Karl Thorsten
## 821	Hays, Mrs. Charles Melville (Clara Jennings Gregg)
## 822	Lulic, Mr. Nikola
## 823	Reuchlin, Jonkheer. John George

824 Moor, Mrs. (Beila)
 ## 825 Panula, Master. Urho Abraham
 ## 826 Flynn, Mr. John
 ## 827 Lam, Mr. Len
 ## 828 Mallet, Master. Andre
 ## 829 McCormack, Mr. Thomas Joseph
 ## 830 Stone, Mrs. George Nelson (Martha Evelyn)
 ## 831 Yasbeck, Mrs. Antoni (Selini Alexander)
 ## 832 Richards, Master. George Sibley
 ## 833 Saad, Mr. Amin
 ## 834 Augustsson, Mr. Albert
 ## 835 Allum, Mr. Owen George
 ## 836 Compton, Miss. Sara Rebecca
 ## 837 Pasic, Mr. Jakob
 ## 838 Sirota, Mr. Maurice
 ## 839 Chip, Mr. Chang
 ## 840 Marechal, Mr. Pierre
 ## 841 Alhomaki, Mr. Ilmari Rudolf
 ## 842 Mudd, Mr. Thomas Charles
 ## 843 Serepeca, Miss. Augusta
 ## 844 Lemberopolous, Mr. Peter L
 ## 845 Culumovic, Mr. Jeso
 ## 846 Abbing, Mr. Anthony
 ## 847 Sage, Mr. Douglas Bullen
 ## 848 Markoff, Mr. Marin
 ## 849 Harper, Rev. John
 ## 850 Goldenberg, Mrs. Samuel L (Edwiga Grabowska)
 ## 851 Andersson, Master. Sigvard Harald Elias
 ## 852 Svensson, Mr. Johan
 ## 853 Boulos, Miss. Nourelain
 ## 854 Lines, Miss. Mary Conover
 ## 855 Carter, Mrs. Ernest Courtenay (Lilian Hughes)
 ## 856 Aks, Mrs. Sam (Leah Rosen)
 ## 857 Wick, Mrs. George Dennick (Mary Hitchcock)
 ## 858 Daly, Mr. Peter Denis
 ## 859 Baclini, Mrs. Solomon (Latifa Qurban)
 ## 860 Razi, Mr. Raihed
 ## 861 Hansen, Mr. Claus Peter
 ## 862 Giles, Mr. Frederick Edward
 ## 863 Swift, Mrs. Frederick Joel (Margaret Welles Barron)
 ## 864 Sage, Miss. Dorothy Edith "Dolly"
 ## 865 Gill, Mr. John William
 ## 866 Bystrom, Mrs. (Karolina)
 ## 867 Duran y More, Miss. Asuncion
 ## 868 Roebling, Mr. Washington Augustus II
 ## 869 van Melkebeke, Mr. Philemon
 ## 870 Johnson, Master. Harold Theodor
 ## 871 Balkic, Mr. Cerin
 ## 872 Beckwith, Mrs. Richard Leonard (Sallie Monypeny)
 ## 873 Carlsson, Mr. Frans Olof
 ## 874 Vander Cruyssen, Mr. Victor
 ## 875 Abelson, Mrs. Samuel (Hannah Wizosky)
 ## 876 Najib, Miss. Adele Kiamie "Jane"
 ## 877 Gustafsson, Mr. Alfred Ossian

## 878							Petroff, Mr. Nedelio
## 879							Laleff, Mr. Kristo
## 880							Potter, Mrs. Thomas Jr (Lily Alexenia Wilson)
## 881							Shelley, Mrs. William (Imanita Parrish Hall)
## 882							Markun, Mr. Johann
## 883							Dahlberg, Miss. Gerda Ulrika
## 884							Banfield, Mr. Frederick James
## 885							Sutehall, Mr. Henry Jr
## 886							Rice, Mrs. William (Margaret Norton)
## 887							Montvila, Rev. Juozas
## 888							Graham, Miss. Margaret Edith
## 889							Johnston, Miss. Catherine Helen "Carrie"
## 890							Behr, Mr. Karl Howell
## 891							Dooley, Mr. Patrick
##	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin
## 1	male	22.00	1	0	A/5 21171	7.2500	
## 2	female	38.00	1	0	PC 17599	71.2833	C85
## 3	female	26.00	0	0	STON/O2. 3101282	7.9250	
## 4	female	35.00	1	0	113803	53.1000	C123
## 5	male	35.00	0	0	373450	8.0500	
## 6	male	NA	0	0	330877	8.4583	
## 7	male	54.00	0	0	17463	51.8625	E46
## 8	male	2.00	3	1	349909	21.0750	
## 9	female	27.00	0	2	347742	11.1333	
## 10	female	14.00	1	0	237736	30.0708	
## 11	female	4.00	1	1	PP 9549	16.7000	G6
## 12	female	58.00	0	0	113783	26.5500	C103
## 13	male	20.00	0	0	A/5. 2151	8.0500	
## 14	male	39.00	1	5	347082	31.2750	
## 15	female	14.00	0	0	350406	7.8542	
## 16	female	55.00	0	0	248706	16.0000	
## 17	male	2.00	4	1	382652	29.1250	
## 18	male	NA	0	0	244373	13.0000	
## 19	female	31.00	1	0	345763	18.0000	
## 20	female	NA	0	0	2649	7.2250	
## 21	male	35.00	0	0	239865	26.0000	
## 22	male	34.00	0	0	248698	13.0000	D56
## 23	female	15.00	0	0	330923	8.0292	
## 24	male	28.00	0	0	113788	35.5000	A6
## 25	female	8.00	3	1	349909	21.0750	
## 26	female	38.00	1	5	347077	31.3875	
## 27	male	NA	0	0	2631	7.2250	
## 28	male	19.00	3	2	19950	263.0000	C23 C25 C27
## 29	female	NA	0	0	330959	7.8792	
## 30	male	NA	0	0	349216	7.8958	
## 31	male	40.00	0	0	PC 17601	27.7208	
## 32	female	NA	1	0	PC 17569	146.5208	B78
## 33	female	NA	0	0	335677	7.7500	
## 34	male	66.00	0	0	C.A. 24579	10.5000	
## 35	male	28.00	1	0	PC 17604	82.1708	
## 36	male	42.00	1	0	113789	52.0000	
## 37	male	NA	0	0	2677	7.2292	
## 38	male	21.00	0	0	A./5. 2152	8.0500	
## 39	female	18.00	2	0	345764	18.0000	

## 40	female	14.00	1	0	2651	11.2417	
## 41	female	40.00	1	0	7546	9.4750	
## 42	female	27.00	1	0	11668	21.0000	
## 43	male	NA	0	0	349253	7.8958	
## 44	female	3.00	1	2	SC/Paris 2123	41.5792	
## 45	female	19.00	0	0	330958	7.8792	
## 46	male	NA	0	0	S.C./A.4. 23567	8.0500	
## 47	male	NA	1	0	370371	15.5000	
## 48	female	NA	0	0	14311	7.7500	
## 49	male	NA	2	0	2662	21.6792	
## 50	female	18.00	1	0	349237	17.8000	
## 51	male	7.00	4	1	3101295	39.6875	
## 52	male	21.00	0	0	A/4. 39886	7.8000	
## 53	female	49.00	1	0	PC 17572	76.7292	D33
## 54	female	29.00	1	0	2926	26.0000	
## 55	male	65.00	0	1	113509	61.9792	B30
## 56	male	NA	0	0	19947	35.5000	C52
## 57	female	21.00	0	0	C.A. 31026	10.5000	
## 58	male	28.50	0	0	2697	7.2292	
## 59	female	5.00	1	2	C.A. 34651	27.7500	
## 60	male	11.00	5	2	CA 2144	46.9000	
## 61	male	22.00	0	0	2669	7.2292	
## 62	female	38.00	0	0	113572	80.0000	B28
## 63	male	45.00	1	0	36973	83.4750	C83
## 64	male	4.00	3	2	347088	27.9000	
## 65	male	NA	0	0	PC 17605	27.7208	
## 66	male	NA	1	1	2661	15.2458	
## 67	female	29.00	0	0	C.A. 29395	10.5000	F33
## 68	male	19.00	0	0	S.P. 3464	8.1583	
## 69	female	17.00	4	2	3101281	7.9250	
## 70	male	26.00	2	0	315151	8.6625	
## 71	male	32.00	0	0	C.A. 33111	10.5000	
## 72	female	16.00	5	2	CA 2144	46.9000	
## 73	male	21.00	0	0	S.O.C. 14879	73.5000	
## 74	male	26.00	1	0	2680	14.4542	
## 75	male	32.00	0	0	1601	56.4958	
## 76	male	25.00	0	0	348123	7.6500	F G73
## 77	male	NA	0	0	349208	7.8958	
## 78	male	NA	0	0	374746	8.0500	
## 79	male	0.83	0	2	248738	29.0000	
## 80	female	30.00	0	0	364516	12.4750	
## 81	male	22.00	0	0	345767	9.0000	
## 82	male	29.00	0	0	345779	9.5000	
## 83	female	NA	0	0	330932	7.7875	
## 84	male	28.00	0	0	113059	47.1000	
## 85	female	17.00	0	0	SO/C 14885	10.5000	
## 86	female	33.00	3	0	3101278	15.8500	
## 87	male	16.00	1	3	W./C. 6608	34.3750	
## 88	male	NA	0	0	SOTON/OQ 392086	8.0500	
## 89	female	23.00	3	2	19950	263.0000	C23 C25 C27
## 90	male	24.00	0	0	343275	8.0500	
## 91	male	29.00	0	0	343276	8.0500	
## 92	male	20.00	0	0	347466	7.8542	
## 93	male	46.00	1	0	W.E.P. 5734	61.1750	E31

## 94	male	26.00	1	2	C.A. 2315	20.5750	
## 95	male	59.00	0	0	364500	7.2500	
## 96	male	NA	0	0	374910	8.0500	
## 97	male	71.00	0	0	PC 17754	34.6542	A5
## 98	male	23.00	0	1	PC 17759	63.3583	D10 D12
## 99	female	34.00	0	1	231919	23.0000	
## 100	male	34.00	1	0	244367	26.0000	
## 101	female	28.00	0	0	349245	7.8958	
## 102	male	NA	0	0	349215	7.8958	
## 103	male	21.00	0	1	35281	77.2875	D26
## 104	male	33.00	0	0	7540	8.6542	
## 105	male	37.00	2	0	3101276	7.9250	
## 106	male	28.00	0	0	349207	7.8958	
## 107	female	21.00	0	0	343120	7.6500	
## 108	male	NA	0	0	312991	7.7750	
## 109	male	38.00	0	0	349249	7.8958	
## 110	female	NA	1	0	371110	24.1500	
## 111	male	47.00	0	0	110465	52.0000	C110
## 112	female	14.50	1	0	2665	14.4542	
## 113	male	22.00	0	0	324669	8.0500	
## 114	female	20.00	1	0	4136	9.8250	
## 115	female	17.00	0	0	2627	14.4583	
## 116	male	21.00	0	0	STON/O 2. 3101294	7.9250	
## 117	male	70.50	0	0	370369	7.7500	
## 118	male	29.00	1	0	11668	21.0000	
## 119	male	24.00	0	1	PC 17558	247.5208	B58 B60
## 120	female	2.00	4	2	347082	31.2750	
## 121	male	21.00	2	0	S.O.C. 14879	73.5000	
## 122	male	NA	0	0	A4. 54510	8.0500	
## 123	male	32.50	1	0	237736	30.0708	
## 124	female	32.50	0	0	27267	13.0000	E101
## 125	male	54.00	0	1	35281	77.2875	D26
## 126	male	12.00	1	0	2651	11.2417	
## 127	male	NA	0	0	370372	7.7500	
## 128	male	24.00	0	0	C 17369	7.1417	
## 129	female	NA	1	1	2668	22.3583	F E69
## 130	male	45.00	0	0	347061	6.9750	
## 131	male	33.00	0	0	349241	7.8958	
## 132	male	20.00	0	0	SOTON/O.Q. 3101307	7.0500	
## 133	female	47.00	1	0	A/5. 3337	14.5000	
## 134	female	29.00	1	0	228414	26.0000	
## 135	male	25.00	0	0	C.A. 29178	13.0000	
## 136	male	23.00	0	0	SC/PARIS 2133	15.0458	
## 137	female	19.00	0	2	11752	26.2833	D47
## 138	male	37.00	1	0	113803	53.1000	C123
## 139	male	16.00	0	0	7534	9.2167	
## 140	male	24.00	0	0	PC 17593	79.2000	B86
## 141	female	NA	0	2	2678	15.2458	
## 142	female	22.00	0	0	347081	7.7500	
## 143	female	24.00	1	0	STON/O2. 3101279	15.8500	
## 144	male	19.00	0	0	365222	6.7500	
## 145	male	18.00	0	0	231945	11.5000	
## 146	male	19.00	1	1	C.A. 33112	36.7500	
## 147	male	27.00	0	0	350043	7.7958	

## 148	female	9.00	2	2	W./C. 6608	34.3750	
## 149	male	36.50	0	2	230080	26.0000	F2
## 150	male	42.00	0	0	244310	13.0000	
## 151	male	51.00	0	0	S.O.P. 1166	12.5250	
## 152	female	22.00	1	0	113776	66.6000	C2
## 153	male	55.50	0	0	A.5. 11206	8.0500	
## 154	male	40.50	0	2	A/5. 851	14.5000	
## 155	male	NA	0	0	Fa 265302	7.3125	
## 156	male	51.00	0	1	PC 17597	61.3792	
## 157	female	16.00	0	0	35851	7.7333	
## 158	male	30.00	0	0	SOTON/OQ 392090	8.0500	
## 159	male	NA	0	0	315037	8.6625	
## 160	male	NA	8	2	CA. 2343	69.5500	
## 161	male	44.00	0	1	371362	16.1000	
## 162	female	40.00	0	0	C.A. 33595	15.7500	
## 163	male	26.00	0	0	347068	7.7750	
## 164	male	17.00	0	0	315093	8.6625	
## 165	male	1.00	4	1	3101295	39.6875	
## 166	male	9.00	0	2	363291	20.5250	
## 167	female	NA	0	1	113505	55.0000	E33
## 168	female	45.00	1	4	347088	27.9000	
## 169	male	NA	0	0	PC 17318	25.9250	
## 170	male	28.00	0	0	1601	56.4958	
## 171	male	61.00	0	0	111240	33.5000	B19
## 172	male	4.00	4	1	382652	29.1250	
## 173	female	1.00	1	1	347742	11.1333	
## 174	male	21.00	0	0	STON/O 2. 3101280	7.9250	
## 175	male	56.00	0	0	17764	30.6958	A7
## 176	male	18.00	1	1	350404	7.8542	
## 177	male	NA	3	1	4133	25.4667	
## 178	female	50.00	0	0	PC 17595	28.7125	C49
## 179	male	30.00	0	0	250653	13.0000	
## 180	male	36.00	0	0	LINE	0.0000	
## 181	female	NA	8	2	CA. 2343	69.5500	
## 182	male	NA	0	0	SC/PARIS 2131	15.0500	
## 183	male	9.00	4	2	347077	31.3875	
## 184	male	1.00	2	1	230136	39.0000	F4
## 185	female	4.00	0	2	315153	22.0250	
## 186	male	NA	0	0	113767	50.0000	A32
## 187	female	NA	1	0	370365	15.5000	
## 188	male	45.00	0	0	111428	26.5500	
## 189	male	40.00	1	1	364849	15.5000	
## 190	male	36.00	0	0	349247	7.8958	
## 191	female	32.00	0	0	234604	13.0000	
## 192	male	19.00	0	0	28424	13.0000	
## 193	female	19.00	1	0	350046	7.8542	
## 194	male	3.00	1	1	230080	26.0000	F2
## 195	female	44.00	0	0	PC 17610	27.7208	B4
## 196	female	58.00	0	0	PC 17569	146.5208	B80
## 197	male	NA	0	0	368703	7.7500	
## 198	male	42.00	0	1	4579	8.4042	
## 199	female	NA	0	0	370370	7.7500	
## 200	female	24.00	0	0	248747	13.0000	
## 201	male	28.00	0	0	345770	9.5000	

## 202	male	NA	8	2	CA. 2343	69.5500	
## 203	male	34.00	0	0	3101264	6.4958	
## 204	male	45.50	0	0	2628	7.2250	
## 205	male	18.00	0	0	A/5 3540	8.0500	
## 206	female	2.00	0	1	347054	10.4625	G6
## 207	male	32.00	1	0	3101278	15.8500	
## 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
## 211	male	24.00	0	0	SOTON/O.Q. 3101311	7.0500	
## 212	female	35.00	0	0	F.C.C. 13528	21.0000	
## 213	male	22.00	0	0	A/5 21174	7.2500	
## 214	male	30.00	0	0	250646	13.0000	
## 215	male	NA	1	0	367229	7.7500	
## 216	female	31.00	1	0	35273	113.2750	D36
## 217	female	27.00	0	0	STON/O2. 3101283	7.9250	
## 218	male	42.00	1	0	243847	27.0000	
## 219	female	32.00	0	0	11813	76.2917	D15
## 220	male	30.00	0	0	W/C 14208	10.5000	
## 221	male	16.00	0	0	SOTON/OQ 392089	8.0500	
## 222	male	27.00	0	0	220367	13.0000	
## 223	male	51.00	0	0	21440	8.0500	
## 224	male	NA	0	0	349234	7.8958	
## 225	male	38.00	1	0	19943	90.0000	C93
## 226	male	22.00	0	0	PP 4348	9.3500	
## 227	male	19.00	0	0	SW/PP 751	10.5000	
## 228	male	20.50	0	0	A/5 21173	7.2500	
## 229	male	18.00	0	0	236171	13.0000	
## 230	female	NA	3	1	4133	25.4667	
## 231	female	35.00	1	0	36973	83.4750	C83
## 232	male	29.00	0	0	347067	7.7750	
## 233	male	59.00	0	0	237442	13.5000	
## 234	female	5.00	4	2	347077	31.3875	
## 235	male	24.00	0	0	C.A. 29566	10.5000	
## 236	female	NA	0	0	W./C. 6609	7.5500	
## 237	male	44.00	1	0	26707	26.0000	
## 238	female	8.00	0	2	C.A. 31921	26.2500	
## 239	male	19.00	0	0	28665	10.5000	
## 240	male	33.00	0	0	SCD/W 1585	12.2750	
## 241	female	NA	1	0	2665	14.4542	
## 242	female	NA	1	0	367230	15.5000	
## 243	male	29.00	0	0	W./C. 14263	10.5000	
## 244	male	22.00	0	0	STON/O 2. 3101275	7.1250	
## 245	male	30.00	0	0	2694	7.2250	
## 246	male	44.00	2	0	19928	90.0000	C78
## 247	female	25.00	0	0	347071	7.7750	
## 248	female	24.00	0	2	250649	14.5000	
## 249	male	37.00	1	1	11751	52.5542	D35
## 250	male	54.00	1	0	244252	26.0000	
## 251	male	NA	0	0	362316	7.2500	
## 252	female	29.00	1	1	347054	10.4625	G6
## 253	male	62.00	0	0	113514	26.5500	C87
## 254	male	30.00	1	0	A/5. 3336	16.1000	
## 255	female	41.00	0	2	370129	20.2125	

## 256 female	29.00	0	2	2650	15.2458	
## 257 female	NA	0	0	PC 17585	79.2000	
## 258 female	30.00	0	0	110152	86.5000	B77
## 259 female	35.00	0	0	PC 17755	512.3292	
## 260 female	50.00	0	1	230433	26.0000	
## 261 male	NA	0	0	384461	7.7500	
## 262 male	3.00	4	2	347077	31.3875	
## 263 male	52.00	1	1	110413	79.6500	E67
## 264 male	40.00	0	0	112059	0.0000	B94
## 265 female	NA	0	0	382649	7.7500	
## 266 male	36.00	0	0	C.A. 17248	10.5000	
## 267 male	16.00	4	1	3101295	39.6875	
## 268 male	25.00	1	0	347083	7.7750	
## 269 female	58.00	0	1	PC 17582	153.4625	C125
## 270 female	35.00	0	0	PC 17760	135.6333	C99
## 271 male	NA	0	0	113798	31.0000	
## 272 male	25.00	0	0	LINE	0.0000	
## 273 female	41.00	0	1	250644	19.5000	
## 274 male	37.00	0	1	PC 17596	29.7000	C118
## 275 female	NA	0	0	370375	7.7500	
## 276 female	63.00	1	0	13502	77.9583	D7
## 277 female	45.00	0	0	347073	7.7500	
## 278 male	NA	0	0	239853	0.0000	
## 279 male	7.00	4	1	382652	29.1250	
## 280 female	35.00	1	1	C.A. 2673	20.2500	
## 281 male	65.00	0	0	336439	7.7500	
## 282 male	28.00	0	0	347464	7.8542	
## 283 male	16.00	0	0	345778	9.5000	
## 284 male	19.00	0	0	A/5. 10482	8.0500	
## 285 male	NA	0	0	113056	26.0000	A19
## 286 male	33.00	0	0	349239	8.6625	
## 287 male	30.00	0	0	345774	9.5000	
## 288 male	22.00	0	0	349206	7.8958	
## 289 male	42.00	0	0	237798	13.0000	
## 290 female	22.00	0	0	370373	7.7500	
## 291 female	26.00	0	0	19877	78.8500	
## 292 female	19.00	1	0	11967	91.0792	B49
## 293 male	36.00	0	0	SC/Paris 2163	12.8750	D
## 294 female	24.00	0	0	349236	8.8500	
## 295 male	24.00	0	0	349233	7.8958	
## 296 male	NA	0	0	PC 17612	27.7208	
## 297 male	23.50	0	0	2693	7.2292	
## 298 female	2.00	1	2	113781	151.5500	C22 C26
## 299 male	NA	0	0	19988	30.5000	C106
## 300 female	50.00	0	1	PC 17558	247.5208	B58 B60
## 301 female	NA	0	0	9234	7.7500	
## 302 male	NA	2	0	367226	23.2500	
## 303 male	19.00	0	0	LINE	0.0000	
## 304 female	NA	0	0	226593	12.3500	E101
## 305 male	NA	0	0	A/5 2466	8.0500	
## 306 male	0.92	1	2	113781	151.5500	C22 C26
## 307 female	NA	0	0	17421	110.8833	
## 308 female	17.00	1	0	PC 17758	108.9000	C65
## 309 male	30.00	1	0	P/PP 3381	24.0000	

## 310 female	30.00	0	0	PC 17485	56.9292	E36
## 311 female	24.00	0	0	11767	83.1583	C54
## 312 female	18.00	2	2	PC 17608	262.3750	B57 B59 B63 B66
## 313 female	26.00	1	1	250651	26.0000	
## 314 male	28.00	0	0	349243	7.8958	
## 315 male	43.00	1	1	F.C.C. 13529	26.2500	
## 316 female	26.00	0	0	347470	7.8542	
## 317 female	24.00	1	0	244367	26.0000	
## 318 male	54.00	0	0	29011	14.0000	
## 319 female	31.00	0	2	36928	164.8667	C7
## 320 female	40.00	1	1	16966	134.5000	E34
## 321 male	22.00	0	0	A/5 21172	7.2500	
## 322 male	27.00	0	0	349219	7.8958	
## 323 female	30.00	0	0	234818	12.3500	
## 324 female	22.00	1	1	248738	29.0000	
## 325 male	NA	8	2	CA. 2343	69.5500	
## 326 female	36.00	0	0	PC 17760	135.6333	C32
## 327 male	61.00	0	0	345364	6.2375	
## 328 female	36.00	0	0	28551	13.0000	D
## 329 female	31.00	1	1	363291	20.5250	
## 330 female	16.00	0	1	111361	57.9792	B18
## 331 female	NA	2	0	367226	23.2500	
## 332 male	45.50	0	0	113043	28.5000	C124
## 333 male	38.00	0	1	PC 17582	153.4625	C91
## 334 male	16.00	2	0	345764	18.0000	
## 335 female	NA	1	0	PC 17611	133.6500	
## 336 male	NA	0	0	349225	7.8958	
## 337 male	29.00	1	0	113776	66.6000	C2
## 338 female	41.00	0	0	16966	134.5000	E40
## 339 male	45.00	0	0	7598	8.0500	
## 340 male	45.00	0	0	113784	35.5000	T
## 341 male	2.00	1	1	230080	26.0000	F2
## 342 female	24.00	3	2	19950	263.0000	C23 C25 C27
## 343 male	28.00	0	0	248740	13.0000	
## 344 male	25.00	0	0	244361	13.0000	
## 345 male	36.00	0	0	229236	13.0000	
## 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	
## 350 male	42.00	0	0	315088	8.6625	
## 351 male	23.00	0	0	7267	9.2250	
## 352 male	NA	0	0	113510	35.0000	C128
## 353 male	15.00	1	1	2695	7.2292	
## 354 male	25.00	1	0	349237	17.8000	
## 355 male	NA	0	0	2647	7.2250	
## 356 male	28.00	0	0	345783	9.5000	
## 357 female	22.00	0	1	113505	55.0000	E33
## 358 female	38.00	0	0	237671	13.0000	
## 359 female	NA	0	0	330931	7.8792	
## 360 female	NA	0	0	330980	7.8792	
## 361 male	40.00	1	4	347088	27.9000	
## 362 male	29.00	1	0	SC/PARIS 2167	27.7208	
## 363 female	45.00	0	1	2691	14.4542	

## 364	male	35.00	0	0	SOTON/O.Q.	3101310	7.0500	
## 365	male	NA	1	0		370365	15.5000	
## 366	male	30.00	0	0		C 7076	7.2500	
## 367	female	60.00	1	0		110813	75.2500	D37
## 368	female	NA	0	0		2626	7.2292	
## 369	female	NA	0	0		14313	7.7500	
## 370	female	24.00	0	0	PC	17477	69.3000	B35
## 371	male	25.00	1	0		11765	55.4417	E50
## 372	male	18.00	1	0		3101267	6.4958	
## 373	male	19.00	0	0		323951	8.0500	
## 374	male	22.00	0	0	PC	17760	135.6333	
## 375	female	3.00	3	1		349909	21.0750	
## 376	female	NA	1	0	PC	17604	82.1708	
## 377	female	22.00	0	0		C 7077	7.2500	
## 378	male	27.00	0	2		113503	211.5000	C82
## 379	male	20.00	0	0		2648	4.0125	
## 380	male	19.00	0	0		347069	7.7750	
## 381	female	42.00	0	0	PC	17757	227.5250	
## 382	female	1.00	0	2		2653	15.7417	
## 383	male	32.00	0	0	STON/O 2.	3101293	7.9250	
## 384	female	35.00	1	0		113789	52.0000	
## 385	male	NA	0	0		349227	7.8958	
## 386	male	18.00	0	0	S.O.C.	14879	73.5000	
## 387	male	1.00	5	2		CA 2144	46.9000	
## 388	female	36.00	0	0		27849	13.0000	
## 389	male	NA	0	0		367655	7.7292	
## 390	female	17.00	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	
## 393	male	28.00	2	0		3101277	7.9250	
## 394	female	23.00	1	0		35273	113.2750	D36
## 395	female	24.00	0	2	PP	9549	16.7000	G6
## 396	male	22.00	0	0		350052	7.7958	
## 397	female	31.00	0	0		350407	7.8542	
## 398	male	46.00	0	0		28403	26.0000	
## 399	male	23.00	0	0		244278	10.5000	
## 400	female	28.00	0	0		240929	12.6500	
## 401	male	39.00	0	0	STON/O 2.	3101289	7.9250	
## 402	male	26.00	0	0		341826	8.0500	
## 403	female	21.00	1	0		4137	9.8250	
## 404	male	28.00	1	0	STON/O2.	3101279	15.8500	
## 405	female	20.00	0	0		315096	8.6625	
## 406	male	34.00	1	0		28664	21.0000	
## 407	male	51.00	0	0		347064	7.7500	
## 408	male	3.00	1	1		29106	18.7500	
## 409	male	21.00	0	0		312992	7.7750	
## 410	female	NA	3	1		4133	25.4667	
## 411	male	NA	0	0		349222	7.8958	
## 412	male	NA	0	0		394140	6.8583	
## 413	female	33.00	1	0		19928	90.0000	C78
## 414	male	NA	0	0		239853	0.0000	
## 415	male	44.00	0	0	STON/O 2.	3101269	7.9250	
## 416	female	NA	0	0		343095	8.0500	
## 417	female	34.00	1	1		28220	32.5000	

## 418	female	18.00	0	2	250652	13.0000	
## 419	male	30.00	0	0	28228	13.0000	
## 420	female	10.00	0	2	345773	24.1500	
## 421	male	NA	0	0	349254	7.8958	
## 422	male	21.00	0	0	A/5. 13032	7.7333	
## 423	male	29.00	0	0	315082	7.8750	
## 424	female	28.00	1	1	347080	14.4000	
## 425	male	18.00	1	1	370129	20.2125	
## 426	male	NA	0	0	A/4. 34244	7.2500	
## 427	female	28.00	1	0	2003	26.0000	
## 428	female	19.00	0	0	250655	26.0000	
## 429	male	NA	0	0	364851	7.7500	
## 430	male	32.00	0	0	SOTON/O.Q. 392078	8.0500	E10
## 431	male	28.00	0	0	110564	26.5500	C52
## 432	female	NA	1	0	376564	16.1000	
## 433	female	42.00	1	0	SC/AH 3085	26.0000	
## 434	male	17.00	0	0	STON/O 2. 3101274	7.1250	
## 435	male	50.00	1	0	13507	55.9000	E44
## 436	female	14.00	1	2	113760	120.0000	B96 B98
## 437	female	21.00	2	2	W./C. 6608	34.3750	
## 438	female	24.00	2	3	29106	18.7500	
## 439	male	64.00	1	4	19950	263.0000	C23 C25 C27
## 440	male	31.00	0	0	C.A. 18723	10.5000	
## 441	female	45.00	1	1	F.C.C. 13529	26.2500	
## 442	male	20.00	0	0	345769	9.5000	
## 443	male	25.00	1	0	347076	7.7750	
## 444	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	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
## 451	male	36.00	1	2	C.A. 34651	27.7500	
## 452	male	NA	1	0	65303	19.9667	
## 453	male	30.00	0	0	113051	27.7500	C111
## 454	male	49.00	1	0	17453	89.1042	C92
## 455	male	NA	0	0	A/5 2817	8.0500	
## 456	male	29.00	0	0	349240	7.8958	
## 457	male	65.00	0	0	13509	26.5500	E38
## 458	female	NA	1	0	17464	51.8625	D21
## 459	female	50.00	0	0	F.C.C. 13531	10.5000	
## 460	male	NA	0	0	371060	7.7500	
## 461	male	48.00	0	0	19952	26.5500	E12
## 462	male	34.00	0	0	364506	8.0500	
## 463	male	47.00	0	0	111320	38.5000	E63
## 464	male	48.00	0	0	234360	13.0000	
## 465	male	NA	0	0	A/S 2816	8.0500	
## 466	male	38.00	0	0	SOTON/O.Q. 3101306	7.0500	
## 467	male	NA	0	0	239853	0.0000	
## 468	male	56.00	0	0	113792	26.5500	
## 469	male	NA	0	0	36209	7.7250	
## 470	female	0.75	2	1	2666	19.2583	
## 471	male	NA	0	0	323592	7.2500	

## 472	male	38.00	0	0	315089	8.6625	
## 473	female	33.00	1	2	C.A. 34651	27.7500	
## 474	female	23.00	0	0	SC/AH Basle 541	13.7917	D
## 475	female	22.00	0	0	7553	9.8375	
## 476	male	NA	0	0	110465	52.0000	A14
## 477	male	34.00	1	0	31027	21.0000	
## 478	male	29.00	1	0	3460	7.0458	
## 479	male	22.00	0	0	350060	7.5208	
## 480	female	2.00	0	1	3101298	12.2875	
## 481	male	9.00	5	2	CA 2144	46.9000	
## 482	male	NA	0	0	239854	0.0000	
## 483	male	50.00	0	0	A/5 3594	8.0500	
## 484	female	63.00	0	0	4134	9.5875	
## 485	male	25.00	1	0	11967	91.0792	B49
## 486	female	NA	3	1	4133	25.4667	
## 487	female	35.00	1	0	19943	90.0000	C93
## 488	male	58.00	0	0	11771	29.7000	B37
## 489	male	30.00	0	0	A.5. 18509	8.0500	
## 490	male	9.00	1	1	C.A. 37671	15.9000	
## 491	male	NA	1	0	65304	19.9667	
## 492	male	21.00	0	0	SOTON/OQ 3101317	7.2500	
## 493	male	55.00	0	0	113787	30.5000	C30
## 494	male	71.00	0	0	PC 17609	49.5042	
## 495	male	21.00	0	0	A/4 45380	8.0500	
## 496	male	NA	0	0	2627	14.4583	
## 497	female	54.00	1	0	36947	78.2667	D20
## 498	male	NA	0	0	C.A. 6212	15.1000	
## 499	female	25.00	1	2	113781	151.5500	C22 C26
## 500	male	24.00	0	0	350035	7.7958	
## 501	male	17.00	0	0	315086	8.6625	
## 502	female	21.00	0	0	364846	7.7500	
## 503	female	NA	0	0	330909	7.6292	
## 504	female	37.00	0	0	4135	9.5875	
## 505	female	16.00	0	0	110152	86.5000	B79
## 506	male	18.00	1	0	PC 17758	108.9000	C65
## 507	female	33.00	0	2	26360	26.0000	
## 508	male	NA	0	0	111427	26.5500	
## 509	male	28.00	0	0	C 4001	22.5250	
## 510	male	26.00	0	0	1601	56.4958	
## 511	male	29.00	0	0	382651	7.7500	
## 512	male	NA	0	0	SOTON/OQ 3101316	8.0500	
## 513	male	36.00	0	0	PC 17473	26.2875	E25
## 514	female	54.00	1	0	PC 17603	59.4000	
## 515	male	24.00	0	0	349209	7.4958	
## 516	male	47.00	0	0	36967	34.0208	D46
## 517	female	34.00	0	0	C.A. 34260	10.5000	F33
## 518	male	NA	0	0	371110	24.1500	
## 519	female	36.00	1	0	226875	26.0000	
## 520	male	32.00	0	0	349242	7.8958	
## 521	female	30.00	0	0	12749	93.5000	B73
## 522	male	22.00	0	0	349252	7.8958	
## 523	male	NA	0	0	2624	7.2250	
## 524	female	44.00	0	1	111361	57.9792	B18
## 525	male	NA	0	0	2700	7.2292	

## 526	male	40.50	0	0	367232	7.7500	
## 527	female	50.00	0	0	W./C. 14258	10.5000	
## 528	male	NA	0	0	PC 17483	221.7792	C95
## 529	male	39.00	0	0	3101296	7.9250	
## 530	male	23.00	2	1	29104	11.5000	
## 531	female	2.00	1	1	26360	26.0000	
## 532	male	NA	0	0	2641	7.2292	
## 533	male	17.00	1	1	2690	7.2292	
## 534	female	NA	0	2	2668	22.3583	
## 535	female	30.00	0	0	315084	8.6625	
## 536	female	7.00	0	2	F.C.C. 13529	26.2500	
## 537	male	45.00	0	0	113050	26.5500	B38
## 538	female	30.00	0	0	PC 17761	106.4250	
## 539	male	NA	0	0	364498	14.5000	
## 540	female	22.00	0	2	13568	49.5000	B39
## 541	female	36.00	0	2	WE/P 5735	71.0000	B22
## 542	female	9.00	4	2	347082	31.2750	
## 543	female	11.00	4	2	347082	31.2750	
## 544	male	32.00	1	0	2908	26.0000	
## 545	male	50.00	1	0	PC 17761	106.4250	C86
## 546	male	64.00	0	0	693	26.0000	
## 547	female	19.00	1	0	2908	26.0000	
## 548	male	NA	0	0	SC/PARIS 2146	13.8625	
## 549	male	33.00	1	1	363291	20.5250	
## 550	male	8.00	1	1	C.A. 33112	36.7500	
## 551	male	17.00	0	2	17421	110.8833	C70
## 552	male	27.00	0	0	244358	26.0000	
## 553	male	NA	0	0	330979	7.8292	
## 554	male	22.00	0	0	2620	7.2250	
## 555	female	22.00	0	0	347085	7.7750	
## 556	male	62.00	0	0	113807	26.5500	
## 557	female	48.00	1	0	11755	39.6000	A16
## 558	male	NA	0	0	PC 17757	227.5250	
## 559	female	39.00	1	1	110413	79.6500	E67
## 560	female	36.00	1	0	345572	17.4000	
## 561	male	NA	0	0	372622	7.7500	
## 562	male	40.00	0	0	349251	7.8958	
## 563	male	28.00	0	0	218629	13.5000	
## 564	male	NA	0	0	SOTON/OQ 392082	8.0500	
## 565	female	NA	0	0	SOTON/O.Q. 392087	8.0500	
## 566	male	24.00	2	0	A/4 48871	24.1500	
## 567	male	19.00	0	0	349205	7.8958	
## 568	female	29.00	0	4	349909	21.0750	
## 569	male	NA	0	0	2686	7.2292	
## 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	female	NA	0	0	14312	7.7500	
## 575	male	16.00	0	0	A/4. 20589	8.0500	
## 576	male	19.00	0	0	358585	14.5000	
## 577	female	34.00	0	0	243880	13.0000	
## 578	female	39.00	1	0	13507	55.9000	E44
## 579	female	NA	1	0	2689	14.4583	

## 580	male	32.00	0	0	STON/O 2.	3101286	7.9250	
## 581	female	25.00	1	1		237789	30.0000	
## 582	female	39.00	1	1		17421	110.8833	C68
## 583	male	54.00	0	0		28403	26.0000	
## 584	male	36.00	0	0		13049	40.1250	A10
## 585	male	NA	0	0		3411	8.7125	
## 586	female	18.00	0	2		110413	79.6500	E68
## 587	male	47.00	0	0		237565	15.0000	
## 588	male	60.00	1	1		13567	79.2000	B41
## 589	male	22.00	0	0		14973	8.0500	
## 590	male	NA	0	0	A./5.	3235	8.0500	
## 591	male	35.00	0	0	STON/O 2.	3101273	7.1250	
## 592	female	52.00	1	0		36947	78.2667	D20
## 593	male	47.00	0	0	A/5	3902	7.2500	
## 594	female	NA	0	2		364848	7.7500	
## 595	male	37.00	1	0	SC/AH	29037	26.0000	
## 596	male	36.00	1	1		345773	24.1500	
## 597	female	NA	0	0		248727	33.0000	
## 598	male	49.00	0	0		LINE	0.0000	
## 599	male	NA	0	0		2664	7.2250	
## 600	male	49.00	1	0	PC	17485	56.9292	A20
## 601	female	24.00	2	1		243847	27.0000	
## 602	male	NA	0	0		349214	7.8958	
## 603	male	NA	0	0		113796	42.4000	
## 604	male	44.00	0	0		364511	8.0500	
## 605	male	35.00	0	0		111426	26.5500	
## 606	male	36.00	1	0		349910	15.5500	
## 607	male	30.00	0	0		349246	7.8958	
## 608	male	27.00	0	0		113804	30.5000	
## 609	female	22.00	1	2	SC/Paris	2123	41.5792	
## 610	female	40.00	0	0	PC	17582	153.4625	C125
## 611	female	39.00	1	5		347082	31.2750	
## 612	male	NA	0	0	SOTON/O.Q.	3101305	7.0500	
## 613	female	NA	1	0		367230	15.5000	
## 614	male	NA	0	0		370377	7.7500	
## 615	male	35.00	0	0		364512	8.0500	
## 616	female	24.00	1	2		220845	65.0000	
## 617	male	34.00	1	1		347080	14.4000	
## 618	female	26.00	1	0	A/5.	3336	16.1000	
## 619	female	4.00	2	1		230136	39.0000	F4
## 620	male	26.00	0	0		31028	10.5000	
## 621	male	27.00	1	0		2659	14.4542	
## 622	male	42.00	1	0		11753	52.5542	D19
## 623	male	20.00	1	1		2653	15.7417	
## 624	male	21.00	0	0		350029	7.8542	
## 625	male	21.00	0	0		54636	16.1000	
## 626	male	61.00	0	0		36963	32.3208	D50
## 627	male	57.00	0	0		219533	12.3500	
## 628	female	21.00	0	0		13502	77.9583	D9
## 629	male	26.00	0	0		349224	7.8958	
## 630	male	NA	0	0		334912	7.7333	
## 631	male	80.00	0	0		27042	30.0000	A23
## 632	male	51.00	0	0		347743	7.0542	
## 633	male	32.00	0	0		13214	30.5000	B50

## 634	male	NA	0	0	112052	0.0000	
## 635	female	9.00	3	2	347088	27.9000	
## 636	female	28.00	0	0	237668	13.0000	
## 637	male	32.00	0	0	STON/O 2. 3101292	7.9250	
## 638	male	31.00	1	1	C.A. 31921	26.2500	
## 639	female	41.00	0	5	3101295	39.6875	
## 640	male	NA	1	0	376564	16.1000	
## 641	male	20.00	0	0	350050	7.8542	
## 642	female	24.00	0	0	PC 17477	69.3000	B35
## 643	female	2.00	3	2	347088	27.9000	
## 644	male	NA	0	0	1601	56.4958	
## 645	female	0.75	2	1	2666	19.2583	
## 646	male	48.00	1	0	PC 17572	76.7292	D33
## 647	male	19.00	0	0	349231	7.8958	
## 648	male	56.00	0	0	13213	35.5000	A26
## 649	male	NA	0	0	S.O./P.P. 751	7.5500	
## 650	female	23.00	0	0	CA. 2314	7.5500	
## 651	male	NA	0	0	349221	7.8958	
## 652	female	18.00	0	1	231919	23.0000	
## 653	male	21.00	0	0	8475	8.4333	
## 654	female	NA	0	0	330919	7.8292	
## 655	female	18.00	0	0	365226	6.7500	
## 656	male	24.00	2	0	S.O.C. 14879	73.5000	
## 657	male	NA	0	0	349223	7.8958	
## 658	female	32.00	1	1	364849	15.5000	
## 659	male	23.00	0	0	29751	13.0000	
## 660	male	58.00	0	2	35273	113.2750	D48
## 661	male	50.00	2	0	PC 17611	133.6500	
## 662	male	40.00	0	0	2623	7.2250	
## 663	male	47.00	0	0	5727	25.5875	E58
## 664	male	36.00	0	0	349210	7.4958	
## 665	male	20.00	1	0	STON/O 2. 3101285	7.9250	
## 666	male	32.00	2	0	S.O.C. 14879	73.5000	
## 667	male	25.00	0	0	234686	13.0000	
## 668	male	NA	0	0	312993	7.7750	
## 669	male	43.00	0	0	A/5 3536	8.0500	
## 670	female	NA	1	0	19996	52.0000	C126
## 671	female	40.00	1	1	29750	39.0000	
## 672	male	31.00	1	0	F.C. 12750	52.0000	B71
## 673	male	70.00	0	0	C.A. 24580	10.5000	
## 674	male	31.00	0	0	244270	13.0000	
## 675	male	NA	0	0	239856	0.0000	
## 676	male	18.00	0	0	349912	7.7750	
## 677	male	24.50	0	0	342826	8.0500	
## 678	female	18.00	0	0	4138	9.8417	
## 679	female	43.00	1	6	CA 2144	46.9000	
## 680	male	36.00	0	1	PC 17755	512.3292	B51 B53 B55
## 681	female	NA	0	0	330935	8.1375	
## 682	male	27.00	0	0	PC 17572	76.7292	D49
## 683	male	20.00	0	0	6563	9.2250	
## 684	male	14.00	5	2	CA 2144	46.9000	
## 685	male	60.00	1	1	29750	39.0000	
## 686	male	25.00	1	2	SC/Paris 2123	41.5792	
## 687	male	14.00	4	1	3101295	39.6875	

## 688	male	19.00	0	0	349228	10.1708	
## 689	male	18.00	0	0	350036	7.7958	
## 690	female	15.00	0	1	24160	211.3375	B5
## 691	male	31.00	1	0	17474	57.0000	B20
## 692	female	4.00	0	1	349256	13.4167	
## 693	male	NA	0	0	1601	56.4958	
## 694	male	25.00	0	0	2672	7.2250	
## 695	male	60.00	0	0	113800	26.5500	
## 696	male	52.00	0	0	248731	13.5000	
## 697	male	44.00	0	0	363592	8.0500	
## 698	female	NA	0	0	35852	7.7333	
## 699	male	49.00	1	1	17421	110.8833	C68
## 700	male	42.00	0	0	348121	7.6500	F G63
## 701	female	18.00	1	0	PC 17757	227.5250	C62 C64
## 702	male	35.00	0	0	PC 17475	26.2875	E24
## 703	female	18.00	0	1	2691	14.4542	
## 704	male	25.00	0	0	36864	7.7417	
## 705	male	26.00	1	0	350025	7.8542	
## 706	male	39.00	0	0	250655	26.0000	
## 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
## 712	male	NA	0	0	113028	26.5500	C124
## 713	male	48.00	1	0	19996	52.0000	C126
## 714	male	29.00	0	0	7545	9.4833	
## 715	male	52.00	0	0	250647	13.0000	
## 716	male	19.00	0	0	348124	7.6500	F G73
## 717	female	38.00	0	0	PC 17757	227.5250	C45
## 718	female	27.00	0	0	34218	10.5000	E101
## 719	male	NA	0	0	36568	15.5000	
## 720	male	33.00	0	0	347062	7.7750	
## 721	female	6.00	0	1	248727	33.0000	
## 722	male	17.00	1	0	350048	7.0542	
## 723	male	34.00	0	0	12233	13.0000	
## 724	male	50.00	0	0	250643	13.0000	
## 725	male	27.00	1	0	113806	53.1000	E8
## 726	male	20.00	0	0	315094	8.6625	
## 727	female	30.00	3	0	31027	21.0000	
## 728	female	NA	0	0	36866	7.7375	
## 729	male	25.00	1	0	236853	26.0000	
## 730	female	25.00	1	0	STON/02. 3101271	7.9250	
## 731	female	29.00	0	0	24160	211.3375	B5
## 732	male	11.00	0	0	2699	18.7875	
## 733	male	NA	0	0	239855	0.0000	
## 734	male	23.00	0	0	28425	13.0000	
## 735	male	23.00	0	0	233639	13.0000	
## 736	male	28.50	0	0	54636	16.1000	
## 737	female	48.00	1	3	W./C. 6608	34.3750	
## 738	male	35.00	0	0	PC 17755	512.3292	B101
## 739	male	NA	0	0	349201	7.8958	
## 740	male	NA	0	0	349218	7.8958	
## 741	male	NA	0	0	16988	30.0000	D45

## 742	male	36.00	1	0		19877	78.8500		C46
## 743	female	21.00	2	2		PC 17608	262.3750	B57 B59 B63 B66	
## 744	male	24.00	1	0		376566	16.1000		
## 745	male	31.00	0	0	STON/O 2.	3101288	7.9250		
## 746	male	70.00	1	1		WE/P 5735	71.0000		B22
## 747	male	16.00	1	1		C.A. 2673	20.2500		
## 748	female	30.00	0	0		250648	13.0000		
## 749	male	19.00	1	0		113773	53.1000		D30
## 750	male	31.00	0	0		335097	7.7500		
## 751	female	4.00	1	1		29103	23.0000		
## 752	male	6.00	0	1		392096	12.4750		E121
## 753	male	33.00	0	0		345780	9.5000		
## 754	male	23.00	0	0		349204	7.8958		
## 755	female	48.00	1	2		220845	65.0000		
## 756	male	0.67	1	1		250649	14.5000		
## 757	male	28.00	0	0		350042	7.7958		
## 758	male	18.00	0	0		29108	11.5000		
## 759	male	34.00	0	0		363294	8.0500		
## 760	female	33.00	0	0		110152	86.5000		B77
## 761	male	NA	0	0		358585	14.5000		
## 762	male	41.00	0	0	SOTON/O2	3101272	7.1250		
## 763	male	20.00	0	0		2663	7.2292		
## 764	female	36.00	1	2		113760	120.0000	B96 B98	
## 765	male	16.00	0	0		347074	7.7750		
## 766	female	51.00	1	0		13502	77.9583		D11
## 767	male	NA	0	0		112379	39.6000		
## 768	female	30.50	0	0		364850	7.7500		
## 769	male	NA	1	0		371110	24.1500		
## 770	male	32.00	0	0		8471	8.3625		
## 771	male	24.00	0	0		345781	9.5000		
## 772	male	48.00	0	0		350047	7.8542		
## 773	female	57.00	0	0	S.O./P.P. 3	10.5000		E77	
## 774	male	NA	0	0		2674	7.2250		
## 775	female	54.00	1	3		29105	23.0000		
## 776	male	18.00	0	0		347078	7.7500		
## 777	male	NA	0	0		383121	7.7500		F38
## 778	female	5.00	0	0		364516	12.4750		
## 779	male	NA	0	0		36865	7.7375		
## 780	female	43.00	0	1		24160	211.3375		B3
## 781	female	13.00	0	0		2687	7.2292		
## 782	female	17.00	1	0		17474	57.0000		B20
## 783	male	29.00	0	0		113501	30.0000		D6
## 784	male	NA	1	2		W./C. 6607	23.4500		
## 785	male	25.00	0	0	SOTON/O.Q.	3101312	7.0500		
## 786	male	25.00	0	0		374887	7.2500		
## 787	female	18.00	0	0		3101265	7.4958		
## 788	male	8.00	4	1		382652	29.1250		
## 789	male	1.00	1	2		C.A. 2315	20.5750		
## 790	male	46.00	0	0		PC 17593	79.2000	B82 B84	
## 791	male	NA	0	0		12460	7.7500		
## 792	male	16.00	0	0		239865	26.0000		
## 793	female	NA	8	2		CA. 2343	69.5500		
## 794	male	NA	0	0		PC 17600	30.6958		
## 795	male	25.00	0	0		349203	7.8958		

## 796	male	39.00	0	0	28213	13.0000	
## 797	female	49.00	0	0	17465	25.9292	D17
## 798	female	31.00	0	0	349244	8.6833	
## 799	male	30.00	0	0	2685	7.2292	
## 800	female	30.00	1	1	345773	24.1500	
## 801	male	34.00	0	0	250647	13.0000	
## 802	female	31.00	1	1	C.A. 31921	26.2500	
## 803	male	11.00	1	2	113760	120.0000	B96 B98
## 804	male	0.42	0	1	2625	8.5167	
## 805	male	27.00	0	0	347089	6.9750	
## 806	male	31.00	0	0	347063	7.7750	
## 807	male	39.00	0	0	112050	0.0000	A36
## 808	female	18.00	0	0	347087	7.7750	
## 809	male	39.00	0	0	248723	13.0000	
## 810	female	33.00	1	0	113806	53.1000	E8
## 811	male	26.00	0	0	3474	7.8875	
## 812	male	39.00	0	0	A/4 48871	24.1500	
## 813	male	35.00	0	0	28206	10.5000	
## 814	female	6.00	4	2	347082	31.2750	
## 815	male	30.50	0	0	364499	8.0500	
## 816	male	NA	0	0	112058	0.0000	B102
## 817	female	23.00	0	0	STON/02. 3101290	7.9250	
## 818	male	31.00	1	1	S.C./PARIS 2079	37.0042	
## 819	male	43.00	0	0	C 7075	6.4500	
## 820	male	10.00	3	2	347088	27.9000	
## 821	female	52.00	1	1	12749	93.5000	B69
## 822	male	27.00	0	0	315098	8.6625	
## 823	male	38.00	0	0	19972	0.0000	
## 824	female	27.00	0	1	392096	12.4750	E121
## 825	male	2.00	4	1	3101295	39.6875	
## 826	male	NA	0	0	368323	6.9500	
## 827	male	NA	0	0	1601	56.4958	
## 828	male	1.00	0	2	S.C./PARIS 2079	37.0042	
## 829	male	NA	0	0	367228	7.7500	
## 830	female	62.00	0	0	113572	80.0000	B28
## 831	female	15.00	1	0	2659	14.4542	
## 832	male	0.83	1	1	29106	18.7500	
## 833	male	NA	0	0	2671	7.2292	
## 834	male	23.00	0	0	347468	7.8542	
## 835	male	18.00	0	0	2223	8.3000	
## 836	female	39.00	1	1	PC 17756	83.1583	E49
## 837	male	21.00	0	0	315097	8.6625	
## 838	male	NA	0	0	392092	8.0500	
## 839	male	32.00	0	0	1601	56.4958	
## 840	male	NA	0	0	11774	29.7000	C47
## 841	male	20.00	0	0	SOTON/02 3101287	7.9250	
## 842	male	16.00	0	0	S.O./P.P. 3	10.5000	
## 843	female	30.00	0	0	113798	31.0000	
## 844	male	34.50	0	0	2683	6.4375	
## 845	male	17.00	0	0	315090	8.6625	
## 846	male	42.00	0	0	C.A. 5547	7.5500	
## 847	male	NA	8	2	CA. 2343	69.5500	
## 848	male	35.00	0	0	349213	7.8958	
## 849	male	28.00	0	1	248727	33.0000	

## 850 female	NA	1	0	17453	89.1042	C92
## 851 male	4.00	4	2	347082	31.2750	
## 852 male	74.00	0	0	347060	7.7750	
## 853 female	9.00	1	1	2678	15.2458	
## 854 female	16.00	0	1	PC 17592	39.4000	D28
## 855 female	44.00	1	0	244252	26.0000	
## 856 female	18.00	0	1	392091	9.3500	
## 857 female	45.00	1	1	36928	164.8667	
## 858 male	51.00	0	0	113055	26.5500	E17
## 859 female	24.00	0	3	2666	19.2583	
## 860 male	NA	0	0	2629	7.2292	
## 861 male	41.00	2	0	350026	14.1083	
## 862 male	21.00	1	0	28134	11.5000	
## 863 female	48.00	0	0	17466	25.9292	D17
## 864 female	NA	8	2	CA. 2343	69.5500	
## 865 male	24.00	0	0	233866	13.0000	
## 866 female	42.00	0	0	236852	13.0000	
## 867 female	27.00	1	0	SC/PARIS 2149	13.8583	
## 868 male	31.00	0	0	PC 17590	50.4958	A24
## 869 male	NA	0	0	345777	9.5000	
## 870 male	4.00	1	1	347742	11.1333	
## 871 male	26.00	0	0	349248	7.8958	
## 872 female	47.00	1	1	11751	52.5542	D35
## 873 male	33.00	0	0	695	5.0000	B51 B53 B55
## 874 male	47.00	0	0	345765	9.0000	
## 875 female	28.00	1	0	P/PP 3381	24.0000	
## 876 female	15.00	0	0	2667	7.2250	
## 877 male	20.00	0	0	7534	9.8458	
## 878 male	19.00	0	0	349212	7.8958	
## 879 male	NA	0	0	349217	7.8958	
## 880 female	56.00	0	1	11767	83.1583	C50
## 881 female	25.00	0	1	230433	26.0000	
## 882 male	33.00	0	0	349257	7.8958	
## 883 female	22.00	0	0	7552	10.5167	
## 884 male	28.00	0	0	C.A./SOTON 34068	10.5000	
## 885 male	25.00	0	0	SOTON/OQ 392076	7.0500	
## 886 female	39.00	0	5	382652	29.1250	
## 887 male	27.00	0	0	211536	13.0000	
## 888 female	19.00	0	0	112053	30.0000	B42
## 889 female	NA	1	2	W./C. 6607	23.4500	
## 890 male	26.00	0	0	111369	30.0000	C148
## 891 male	32.00	0	0	370376	7.7500	
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## 6	Q					
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## 9	S					
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## 583	S
## 584	C
## 585	C
## 586	S
## 587	S
## 588	C
## 589	S
## 590	S
## 591	S
## 592	C
## 593	S
## 594	Q
## 595	S
## 596	S
## 597	S
## 598	S
## 599	C
## 600	C
## 601	S
## 602	S
## 603	S
## 604	S
## 605	C

## 606	S
## 607	S
## 608	S
## 609	C
## 610	S
## 611	S
## 612	S
## 613	Q
## 614	Q
## 615	S
## 616	S
## 617	S
## 618	S
## 619	S
## 620	S
## 621	C
## 622	S
## 623	C
## 624	S
## 625	S
## 626	S
## 627	Q
## 628	S
## 629	S
## 630	Q
## 631	S
## 632	S
## 633	C
## 634	S
## 635	S
## 636	S
## 637	S
## 638	S
## 639	S
## 640	S
## 641	S
## 642	C
## 643	S
## 644	S
## 645	C
## 646	C
## 647	S
## 648	C
## 649	S
## 650	S
## 651	S
## 652	S
## 653	S
## 654	Q
## 655	Q
## 656	S
## 657	S
## 658	Q
## 659	S

## 660	C
## 661	S
## 662	C
## 663	S
## 664	S
## 665	S
## 666	S
## 667	S
## 668	S
## 669	S
## 670	S
## 671	S
## 672	S
## 673	S
## 674	S
## 675	S
## 676	S
## 677	S
## 678	S
## 679	S
## 680	C
## 681	Q
## 682	C
## 683	S
## 684	S
## 685	S
## 686	C
## 687	S
## 688	S
## 689	S
## 690	S
## 691	S
## 692	C
## 693	S
## 694	C
## 695	S
## 696	S
## 697	S
## 698	Q
## 699	C
## 700	S
## 701	C
## 702	S
## 703	C
## 704	Q
## 705	S
## 706	S
## 707	S
## 708	S
## 709	S
## 710	C
## 711	C
## 712	S
## 713	S

## 714	S
## 715	S
## 716	S
## 717	C
## 718	S
## 719	Q
## 720	S
## 721	S
## 722	S
## 723	S
## 724	S
## 725	S
## 726	S
## 727	S
## 728	Q
## 729	S
## 730	S
## 731	S
## 732	C
## 733	S
## 734	S
## 735	S
## 736	S
## 737	S
## 738	C
## 739	S
## 740	S
## 741	S
## 742	S
## 743	C
## 744	S
## 745	S
## 746	S
## 747	S
## 748	S
## 749	S
## 750	Q
## 751	S
## 752	S
## 753	S
## 754	S
## 755	S
## 756	S
## 757	S
## 758	S
## 759	S
## 760	S
## 761	S
## 762	S
## 763	C
## 764	S
## 765	S
## 766	S
## 767	C

## 768	Q
## 769	Q
## 770	S
## 771	S
## 772	S
## 773	S
## 774	C
## 775	S
## 776	S
## 777	Q
## 778	S
## 779	Q
## 780	S
## 781	C
## 782	S
## 783	S
## 784	S
## 785	S
## 786	S
## 787	S
## 788	Q
## 789	S
## 790	C
## 791	Q
## 792	S
## 793	S
## 794	C
## 795	S
## 796	S
## 797	S
## 798	S
## 799	C
## 800	S
## 801	S
## 802	S
## 803	S
## 804	C
## 805	S
## 806	S
## 807	S
## 808	S
## 809	S
## 810	S
## 811	S
## 812	S
## 813	S
## 814	S
## 815	S
## 816	S
## 817	S
## 818	C
## 819	S
## 820	S
## 821	S

## 822	S
## 823	S
## 824	S
## 825	S
## 826	Q
## 827	S
## 828	C
## 829	Q
## 830	
## 831	C
## 832	S
## 833	C
## 834	S
## 835	S
## 836	C
## 837	S
## 838	S
## 839	S
## 840	C
## 841	S
## 842	S
## 843	C
## 844	C
## 845	S
## 846	S
## 847	S
## 848	C
## 849	S
## 850	C
## 851	S
## 852	S
## 853	C
## 854	S
## 855	S
## 856	S
## 857	S
## 858	S
## 859	C
## 860	C
## 861	S
## 862	S
## 863	S
## 864	S
## 865	S
## 866	S
## 867	C
## 868	S
## 869	S
## 870	S
## 871	S
## 872	S
## 873	S
## 874	S
## 875	C

```
## 876      C
## 877      S
## 878      S
## 879      S
## 880      C
## 881      S
## 882      S
## 883      S
## 884      S
## 885      S
## 886      Q
## 887      S
## 888      S
## 889      S
## 890      C
## 891      Q
```

```
titanicSurvived <- subset(titanicDF, Survived == 1)
titanicDied <- subset(titanicDF, Survived == 0)
```

```
breastCancerDF <- read.csv(file = "breastcancer_wisconsin.csv")
breastCancerDF
```

##	id	clump_thickness	size_uniformity	shape_uniformity	marginal_adhesion
## 1	1000025	5	1	1	1
## 2	1002945	5	4	4	5
## 3	1015425	3	1	1	1
## 4	1016277	6	8	8	1
## 5	1017023	4	1	1	3
## 6	1017122	8	10	10	8
## 7	1018099	1	1	1	1
## 8	1018561	2	1	2	1
## 9	1033078	2	1	1	1
## 10	1033078	4	2	1	1
## 11	1035283	1	1	1	1
## 12	1036172	2	1	1	1
## 13	1041801	5	3	3	3
## 14	1043999	1	1	1	1
## 15	1044572	8	7	5	10
## 16	1047630	7	4	6	4
## 17	1048672	4	1	1	1
## 18	1049815	4	1	1	1
## 19	1050670	10	7	7	6
## 20	1050718	6	1	1	1
## 21	1054590	7	3	2	10
## 22	1054593	10	5	5	3
## 23	1056784	3	1	1	1
## 24	1057013	8	4	5	1
## 25	1059552	1	1	1	1
## 26	1065726	5	2	3	4
## 27	1066373	3	2	1	1
## 28	1066979	5	1	1	1
## 29	1067444	2	1	1	1
## 30	1070935	1	1	3	1
## 31	1070935	3	1	1	1

## 32	1071760	2	1	1	1
## 33	1072179	10	7	7	3
## 34	1074610	2	1	1	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
## 41	1096800	6	6	6	9
## 42	1099510	10	4	3	1
## 43	1100524	6	10	10	2
## 44	1102573	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
## 75	1126417	10	6	4	1
## 76	1131294	1	1	2	1
## 77	1132347	1	1	4	1
## 78	1133041	5	3	1	2
## 79	1133136	3	1	1	1
## 80	1136142	2	1	1	1
## 81	1137156	2	2	2	1
## 82	1143978	4	1	1	2
## 83	1143978	5	2	1	1
## 84	1147044	3	1	1	1
## 85	1147699	3	5	7	8

## 86	1147748	5	10	6	1
## 87	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
## 93	1157734	4	1	1	1
## 94	1158247	1	1	1	1
## 95	1160476	2	1	1	1
## 96	1164066	1	1	1	1
## 97	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	1170420	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	10	2
## 124	1174428	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
## 149	1187457	3	1	1	3
## 150	1187805	8	8	7	4
## 151	1188472	1	1	1	1
## 152	1189266	7	2	4	1
## 153	1189286	10	10	8	6
## 154	1190394	4	1	1	1
## 155	1190485	1	1	1	1
## 156	1192325	5	5	5	6
## 157	1193091	1	2	2	1
## 158	1193210	2	1	1	1
## 159	1193683	1	1	2	1
## 160	1196295	9	9	10	3
## 161	1196915	10	7	7	4
## 162	1197080	4	1	1	1
## 163	1197270	3	1	1	1
## 164	1197440	1	1	1	2
## 165	1197510	5	1	1	1
## 166	1197979	4	1	1	1
## 167	1197993	5	6	7	8
## 168	1198128	10	8	10	10
## 169	1198641	3	1	1	1
## 170	1199219	1	1	1	2
## 171	1199731	3	1	1	1
## 172	1199983	1	1	1	1
## 173	1200772	1	1	1	1
## 174	1200847	6	10	10	10
## 175	1200892	8	6	5	4
## 176	1200952	5	8	7	7
## 177	1201834	2	1	1	1
## 178	1201936	5	10	10	3
## 179	1202125	4	1	1	1
## 180	1202812	5	3	3	3
## 181	1203096	1	1	1	1
## 182	1204242	1	1	1	1
## 183	1204898	6	1	1	1
## 184	1205138	5	8	8	8
## 185	1205579	8	7	6	4
## 186	1206089	2	1	1	1
## 187	1206695	1	5	8	6
## 188	1206841	10	5	6	10
## 189	1207986	5	8	4	10
## 190	1208301	1	2	3	1
## 191	1210963	10	10	10	8
## 192	1211202	7	5	10	10
## 193	1212232	5	1	1	1

## 194	1212251	1	1	1	1
## 195	1212422	3	1	1	1
## 196	1212422	4	1	1	1
## 197	1213375	8	4	4	5
## 198	1213383	5	1	1	4
## 199	1214092	1	1	1	1
## 200	1214556	3	1	1	1
## 201	1214966	9	7	7	5
## 202	1216694	10	8	8	4
## 203	1216947	1	1	1	1
## 204	1217051	5	1	1	1
## 205	1217264	1	1	1	1
## 206	1218105	5	10	10	9
## 207	1218741	10	10	9	3
## 208	1218860	1	1	1	1
## 209	1218860	1	1	1	1
## 210	1219406	5	1	1	1
## 211	1219525	8	10	10	10
## 212	1219859	8	10	8	8
## 213	1220330	1	1	1	1
## 214	1221863	10	10	10	10
## 215	1222047	10	10	10	10
## 216	1222936	8	7	8	7
## 217	1223282	1	1	1	1
## 218	1223426	1	1	1	1
## 219	1223793	6	10	7	7
## 220	1223967	6	1	3	1
## 221	1224329	1	1	1	2
## 222	1225799	10	6	4	3
## 223	1226012	4	1	1	3
## 224	1226612	7	5	6	3
## 225	1227210	10	5	5	6
## 226	1227244	1	1	1	1
## 227	1227481	10	5	7	4
## 228	1228152	8	9	9	5
## 229	1228311	1	1	1	1
## 230	1230175	10	10	10	3
## 231	1230688	7	4	7	4
## 232	1231387	6	8	7	5
## 233	1231706	8	4	6	3
## 234	1232225	10	4	5	5
## 235	1236043	3	3	2	1
## 236	1241232	3	1	4	1
## 237	1241559	10	8	8	2
## 238	1241679	9	8	8	5
## 239	1242364	8	10	10	8
## 240	1243256	10	4	3	2
## 241	1270479	5	1	3	3
## 242	1276091	3	1	1	3
## 243	1277018	2	1	1	1
## 244	128059	1	1	1	1
## 245	1285531	1	1	1	1
## 246	1287775	5	1	1	2
## 247	144888	8	10	10	8

## 248	145447	8	4	4	1
## 249	167528	4	1	1	1
## 250	169356	3	1	1	1
## 251	183913	1	2	2	1
## 252	191250	10	4	4	10
## 253	1017023	6	3	3	5
## 254	1100524	6	10	10	2
## 255	1116116	9	10	10	1
## 256	1168736	5	6	6	2
## 257	1182404	3	1	1	1
## 258	1182404	3	1	1	1
## 259	1198641	3	1	1	1
## 260	242970	5	7	7	1
## 261	255644	10	5	8	10
## 262	263538	5	10	10	6
## 263	274137	8	8	9	4
## 264	303213	10	4	4	10
## 265	314428	7	9	4	10
## 266	1182404	5	1	4	1
## 267	1198641	10	10	6	3
## 268	320675	3	3	5	2
## 269	324427	10	8	8	2
## 270	385103	1	1	1	1
## 271	390840	8	4	7	1
## 272	411453	5	1	1	1
## 273	320675	3	3	5	2
## 274	428903	7	2	4	1
## 275	431495	3	1	1	1
## 276	432809	3	1	3	1
## 277	434518	3	1	1	1
## 278	452264	1	1	1	1
## 279	456282	1	1	1	1
## 280	476903	10	5	7	3
## 281	486283	3	1	1	1
## 282	486662	2	1	1	2
## 283	488173	1	4	3	10
## 284	492268	10	4	6	1
## 285	508234	7	4	5	10
## 286	527363	8	10	10	10
## 287	529329	10	10	10	10
## 288	535331	3	1	1	1
## 289	543558	6	1	3	1
## 290	555977	5	6	6	8
## 291	560680	1	1	1	1
## 292	561477	1	1	1	1
## 293	563649	8	8	8	1
## 294	601265	10	4	4	6
## 295	606140	1	1	1	1
## 296	606722	5	5	7	8
## 297	616240	5	3	4	3
## 298	61634	5	4	3	1
## 299	625201	8	2	1	1
## 300	63375	9	1	2	6
## 301	635844	8	4	10	5

## 302	636130	1	1	1	1
## 303	640744	10	10	10	7
## 304	646904	1	1	1	1
## 305	653777	8	3	4	9
## 306	659642	10	8	4	4
## 307	666090	1	1	1	1
## 308	666942	1	1	1	1
## 309	667204	7	8	7	6
## 310	673637	3	1	1	1
## 311	684955	2	1	1	1
## 312	688033	1	1	1	1
## 313	691628	8	6	4	10
## 314	693702	1	1	1	1
## 315	704097	1	1	1	1
## 316	704168	4	6	5	6
## 317	706426	5	5	5	2
## 318	709287	6	8	7	8
## 319	718641	1	1	1	1
## 320	721482	4	4	4	4
## 321	730881	7	6	3	2
## 322	733639	3	1	1	1
## 323	733639	3	1	1	1
## 324	733823	5	4	6	10
## 325	740492	1	1	1	1
## 326	743348	3	2	2	1
## 327	752904	10	1	1	1
## 328	756136	1	1	1	1
## 329	760001	8	10	3	2
## 330	760239	10	4	6	4
## 331	76389	10	4	7	2
## 332	764974	5	1	1	1
## 333	770066	5	2	2	2
## 334	785208	5	4	6	6
## 335	785615	8	6	7	3
## 336	792744	1	1	1	1
## 337	797327	6	5	5	8
## 338	798429	1	1	1	1
## 339	704097	1	1	1	1
## 340	806423	8	5	5	5
## 341	809912	10	3	3	1
## 342	810104	1	1	1	1
## 343	814265	2	1	1	1
## 344	814911	1	1	1	1
## 345	822829	7	6	4	8
## 346	826923	1	1	1	1
## 347	830690	5	2	2	2
## 348	831268	1	1	1	1
## 349	832226	3	4	4	10
## 350	832567	4	2	3	5
## 351	836433	5	1	1	3
## 352	837082	2	1	1	1
## 353	846832	3	4	5	3
## 354	850831	2	7	10	10
## 355	855524	1	1	1	1

## 356	857774	4	1	1	1
## 357	859164	5	3	3	1
## 358	859350	8	10	10	7
## 359	866325	8	10	5	3
## 360	873549	10	3	5	4
## 361	877291	6	10	10	10
## 362	877943	3	10	3	10
## 363	888169	3	2	2	1
## 364	888523	4	4	4	2
## 365	896404	2	1	1	1
## 366	897172	2	1	1	1
## 367	95719	6	10	10	10
## 368	160296	5	8	8	10
## 369	342245	1	1	3	1
## 370	428598	1	1	3	1
## 371	492561	4	3	2	1
## 372	493452	1	1	3	1
## 373	493452	4	1	2	1
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```
## 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
```

#The dataset is all about the different characteristics of a breast cancer, it includes the clump thick

```
stat.desc(breastCancerDF)
```

```
##          id clump_thickness size_uniformity shape_uniformity
## nbr.val    6.990000e+02    699.0000000    699.0000000    699.0000000
## nbr.null    0.000000e+00     0.0000000     0.0000000     0.0000000
## nbr.na      0.000000e+00     0.0000000     0.0000000     0.0000000
## min         6.163400e+04     1.0000000     1.0000000     1.0000000
## max         1.345435e+07    10.0000000    10.0000000    10.0000000
## range       1.339272e+07     9.0000000     9.0000000     9.0000000
## sum         7.491212e+08    3088.0000000    2191.0000000    2242.0000000
## median      1.171710e+06     4.0000000     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
## std.dev      6.170957e+05     2.8157407     3.0514591     2.9719128
## 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
## nbr.null      0.0000000    0.000000e+00      NA    0.000000e+00
## nbr.na        0.0000000    0.000000e+00      NA    0.000000e+00
## min           1.0000000    1.000000e+00      NA    1.000000e+00
## max          10.0000000    1.000000e+01      NA    1.000000e+01
## range         9.0000000    9.000000e+00      NA    9.000000e+00
## sum          1962.0000000    2.248000e+03      NA    2.403000e+03
## median        1.0000000    2.000000e+00      NA    3.000000e+00
## mean          2.8068670    3.216023e+00      NA    3.437768e+00
## SE.mean       0.1080004    8.375251e-02      NA    9.222741e-02
## 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       2.8553792    2.214300e+00      NA    2.438364e+00
## coef.var      1.0172834    6.885212e-01      NA    7.092870e-01
##
## normal_nucleoli mitoses      class
## nbr.val      699.0000000 6.990000e+02 6.990000e+02
```

```
## nbr.null      0.0000000 0.000000e+00 0.000000e+00
## nbr.na        0.0000000 0.000000e+00 0.000000e+00
## min           1.0000000 1.000000e+00 2.000000e+00
## max           10.0000000 1.000000e+01 4.000000e+00
## range         9.0000000 9.000000e+00 2.000000e+00
## sum           2004.0000000 1.111000e+03 1.880000e+03
## median        1.0000000 1.000000e+00 2.000000e+00
## mean          2.8669528 1.589413e+00 2.689557e+00
## 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
## std.dev       3.0536339 1.715078e+00 9.512725e-01
## coef.var      1.0651148 1.079063e+00 3.536912e-01
```

```
describe(breastCancerDF)
```

```
## breastCancerDF
##
## 11 Variables      699 Observations
## -----
## id
##      n missing distinct      Info      Mean      Gmd      .05      .10
##      699      0      645      1 1071704 357978 411453 563215
##      .25      .50      .75      .90      .95
## 870688 1171710 1238298 1311261 1333891
##
## lowest :      61634      63375      76389      95719      128059
## highest: 1369821 1371026 1371920 8233704 13454352
## -----
## clump_thickness
##      n missing distinct      Info      Mean      Gmd      .05      .10
##      699      0      10      0.978      4.418      3.141      1      1
##      .25      .50      .75      .90      .95
##      2      4      6      9      10
##
## Value      1      2      3      4      5      6      7      8      9      10
## Frequency  145    50   108    80   130    34    23    46    14    69
## Proportion 0.207 0.072 0.155 0.114 0.186 0.049 0.033 0.066 0.020 0.099
##
## For the frequency table, variable is rounded to the nearest 0
## -----
## size_uniformity
##      n missing distinct      Info      Mean      Gmd      .05      .10
##      699      0      10      0.832      3.134      3.012      1      1
##      .25      .50      .75      .90      .95
##      1      1      5      9      10
##
## Value      1      2      3      4      5      6      7      8      9      10
## Frequency  384    45    52    40    30    27    19    29     6    67
## Proportion 0.549 0.064 0.074 0.057 0.043 0.039 0.027 0.041 0.009 0.096
##
## For the frequency table, variable is rounded to the nearest 0
## -----
## shape_uniformity
##      n missing distinct      Info      Mean      Gmd      .05      .10
```



```

##      699      0      10      0.869      3.207      3.006      1      1
##      .25      .50      .75      .90      .95
##      1      1      5      8      10
##
## Value      1      2      3      4      5      6      7      8      9      10
## Frequency   353     59     56     44     34     30     30     28     7     58
## Proportion 0.505 0.084 0.080 0.063 0.049 0.043 0.043 0.040 0.010 0.083
##
## For the frequency table, variable is rounded to the nearest 0
## -----
## marginal_adhesion
##      n missing distinct      Info      Mean      Gmd      .05      .10
##      699      0      10      0.801      2.807      2.679      1      1
##      .25      .50      .75      .90      .95
##      1      1      4      8      10
##
## Value      1      2      3      4      5      6      7      8      9      10
## Frequency   407     58     58     33     23     22     13     25     5     55
## Proportion 0.582 0.083 0.083 0.047 0.033 0.031 0.019 0.036 0.007 0.079
##
## For the frequency table, variable is rounded to the nearest 0
## -----
## epithelial_size
##      n missing distinct      Info      Mean      Gmd      .05      .10
##      699      0      10      0.829      3.216      2.079      1      2
##      .25      .50      .75      .90      .95
##      2      2      4      6      8
##
## Value      1      2      3      4      5      6      7      8      9      10
## Frequency    47   386    72    48    39    41    12    21     2    31
## Proportion 0.067 0.552 0.103 0.069 0.056 0.059 0.017 0.030 0.003 0.044
##
## For the frequency table, variable is rounded to the nearest 0
## -----
## bare_nucleoli
##      n missing distinct
##      684     15      11
##
## Value      ?      1     10      2      3      4      5      6      7      8      9
## Frequency    1   402   132    30    28    19    30     4     8    21     9
## Proportion 0.001 0.588 0.193 0.044 0.041 0.028 0.044 0.006 0.012 0.031 0.013
## -----
## bland_chromatin
##      n missing distinct      Info      Mean      Gmd      .05      .10
##      699      0      10      0.962      3.438      2.569      1      1
##      .25      .50      .75      .90      .95
##      2      3      5      7      8
##
## Value      1      2      3      4      5      6      7      8      9      10
## Frequency   152   166   165    40    34    10    73    28    11    20
## Proportion 0.217 0.237 0.236 0.057 0.049 0.014 0.104 0.040 0.016 0.029
##
## For the frequency table, variable is rounded to the nearest 0
## -----

```

```

## normal_nucleoli
##      n missing distinct      Info      Mean      Gmd      .05      .10
##    699      0      10    0.744    2.867    2.826      1      1
##      .25      .50      .75      .90      .95
##      1      1      4      9      10
##
## Value      1      2      3      4      5      6      7      8      9      10
## Frequency  443    36    44    18    19    22    16    24    16    61
## Proportion 0.634 0.052 0.063 0.026 0.027 0.031 0.023 0.034 0.023 0.087
##
## For the frequency table, variable is rounded to the nearest 0
## -----
## mitoses
##      n missing distinct      Info      Mean      Gmd
##    699      0      9    0.431    1.589    1.062
##
## Value      1      2      3      4      5      6      7      8      10
## Frequency  579    35    33    12     6     3     9     8    14
## Proportion 0.828 0.050 0.047 0.017 0.009 0.004 0.013 0.011 0.020
##
## For the frequency table, variable is rounded to the nearest 0
## -----
## class
##      n missing distinct      Info      Mean      Gmd
##    699      0      2    0.678    2.69    0.9049
##
## Value      2      4
## Frequency  458    241
## Proportion 0.655 0.345
## -----
ncol(breastCancerDF)

## [1] 11
#There are 11 attributes in this dataset.

malignant <- sum(breastCancerDF$class == 4)
numberOfSamples <- sum(nrow(breastCancerDF))
percentageMalignant <- (malignant/numberOfSamples) * 100

percentageMalignant

## [1] 34.47783
#34% of the respondents are classified as malignant.

install.packages("openxlsx")

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)

library(openxlsx)

install.packages("AppliedPredictiveModeling")

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
## (as 'lib' is unspecified)

```

```
library("AppliedPredictiveModeling")
abalone <- data("abalone")

head(abalone)

## [1] "abalone"

summary(abalone)

##      Length      Class      Mode 
##      1 character character 

exportToExcel <- data("abalone")
write.xlsx(exportToExcel, file = "/cloud/project/worksheet#6/abalone.xlsx")
```