Вариант №5

[**Для набора данных проведите кодирование одного (произвольного) категориального признака с использованием метода "one-hot encoding".** 1](#_Toc131151347)

[Для набора данных для одного (произвольного) числового признака проведите обнаружение и удаление выбросов на основе межквартильного размаха. 11](#_Toc131151348)

# Для набора данных проведите кодирование одного (произвольного) категориального признака с использованием метода "one-hot encoding".

import pandas as pd

# загрузка набора данных

data = pd.read\_csv("titanic.csv")

# выбор признака для кодирования

feature\_to\_encode = "Sex"

# кодирование методом "one-hot encoding"

one\_hot\_encoded = pd.get\_dummies(data[feature\_to\_encode], prefix=feature\_to\_encode)

# добавление закодированных признаков в набор данных

data = pd.concat([data, one\_hot\_encoded], axis=1)

# удаление исходного признака

data = data.drop(columns=[feature\_to\_encode])

# экспорт результатов в файл Excel

data.to\_excel("titanic\_encoded.xlsx", index=False)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PassengerId** | **Survived** | **Pclass** | **Name** | **Age** | **SibSp** | **Parch** | **Ticket** | **Fare** | **Cabin** | **Embarked** | **Sex\_female** | **Sex\_male** |
| 892 | 0 | 3 | Kelly, Mr. James | 34.5 | 0 | 0 | 330911 | 7.8292 |  | Q | 0 | 1 |
| 893 | 1 | 3 | Wilkes, Mrs. James (Ellen Needs) | 47 | 1 | 0 | 363272 | 7 |  | S | 1 | 0 |
| 894 | 0 | 2 | Myles, Mr. Thomas Francis | 62 | 0 | 0 | 240276 | 9.6875 |  | Q | 0 | 1 |
| 895 | 0 | 3 | Wirz, Mr. Albert | 27 | 0 | 0 | 315154 | 8.6625 |  | S | 0 | 1 |
| 896 | 1 | 3 | Hirvonen, Mrs. Alexander (Helga E Lindqvist) | 22 | 1 | 1 | 3101298 | 12.2875 |  | S | 1 | 0 |
| 897 | 0 | 3 | Svensson, Mr. Johan Cervin | 14 | 0 | 0 | 7538 | 9.225 |  | S | 0 | 1 |
| 898 | 1 | 3 | Connolly, Miss. Kate | 30 | 0 | 0 | 330972 | 7.6292 |  | Q | 1 | 0 |
| 899 | 0 | 2 | Caldwell, Mr. Albert Francis | 26 | 1 | 1 | 248738 | 29 |  | S | 0 | 1 |
| 900 | 1 | 3 | Abrahim, Mrs. Joseph (Sophie Halaut Easu) | 18 | 0 | 0 | 2657 | 7.2292 |  | C | 1 | 0 |
| 901 | 0 | 3 | Davies, Mr. John Samuel | 21 | 2 | 0 | A/4 48871 | 24.15 |  | S | 0 | 1 |
| 902 | 0 | 3 | Ilieff, Mr. Ylio | | 0 | 0 | 349220 | 7.8958 |  | S | 0 | 1 |
| 903 | 0 | 1 | Jones, Mr. Charles Cresson | 46 | 0 | 0 | 694 | 26 |  | S | 0 | 1 |
| 904 | 1 | 1 | Snyder, Mrs. John Pillsbury (Nelle Stevenson) | 23 | 1 | 0 | 21228 | 82.2667 | B45 | S | 1 | 0 |
| 905 | 0 | 2 | Howard, Mr. Benjamin | 63 | 1 | 0 | 24065 | 26 |  | S | 0 | 1 |
| 906 | 1 | 1 | Chaffee, Mrs. Herbert Fuller (Carrie Constance Toogood) | 47 | 1 | 0 | W.E.P. 5734 | 61.175 | E31 | S | 1 | 0 |
| 907 | 1 | 2 | del Carlo, Mrs. Sebastiano (Argenia Genovesi) | 24 | 1 | 0 | SC/PARIS 2167 | 27.7208 |  | C | 1 | 0 |
| 908 | 0 | 2 | Keane, Mr. Daniel | 35 | 0 | 0 | 233734 | 12.35 |  | Q | 0 | 1 |
| 909 | 0 | 3 | Assaf, Mr. Gerios | 21 | 0 | 0 | 2692 | 7.225 |  | C | 0 | 1 |
| 910 | 1 | 3 | Ilmakangas, Miss. Ida Livija | 27 | 1 | 0 | STON/O2. 3101270 | 7.925 |  | S | 1 | 0 |
| 911 | 1 | 3 | Assaf Khalil, Mrs. Mariana (Miriam")" | 45 | 0 | 0 | 2696 | 7.225 |  | C | 1 | 0 |
| 912 | 0 | 1 | Rothschild, Mr. Martin | 55 | 1 | 0 | PC 17603 | 59.4 |  | C | 0 | 1 |
| 913 | 0 | 3 | Olsen, Master. Artur Karl | 9 | 0 | 1 | C 17368 | 3.1708 |  | S | 0 | 1 |
| 914 | 1 | 1 | Flegenheim, Mrs. Alfred (Antoinette) | | 0 | 0 | PC 17598 | 31.6833 |  | S | 1 | 0 |
| 915 | 0 | 1 | Williams, Mr. Richard Norris II | 21 | 0 | 1 | PC 17597 | 61.3792 |  | C | 0 | 1 |
| 916 | 1 | 1 | Ryerson, Mrs. Arthur Larned (Emily Maria Borie) | 48 | 1 | 3 | PC 17608 | 262.375 | B57 B59 B63 B66 | C | 1 | 0 |
| 917 | 0 | 3 | Robins, Mr. Alexander A | 50 | 1 | 0 | A/5. 3337 | 14.5 |  | S | 0 | 1 |
| 918 | 1 | 1 | Ostby, Miss. Helene Ragnhild | 22 | 0 | 1 | 113509 | 61.9792 | B36 | C | 1 | 0 |
| 919 | 0 | 3 | Daher, Mr. Shedid | 22.5 | 0 | 0 | 2698 | 7.225 |  | C | 0 | 1 |
| 920 | 0 | 1 | Brady, Mr. John Bertram | 41 | 0 | 0 | 113054 | 30.5 | A21 | S | 0 | 1 |
| 921 | 0 | 3 | Samaan, Mr. Elias | | 2 | 0 | 2662 | 21.6792 |  | C | 0 | 1 |
| 922 | 0 | 2 | Louch, Mr. Charles Alexander | 50 | 1 | 0 | SC/AH 3085 | 26 |  | S | 0 | 1 |
| 923 | 0 | 2 | Jefferys, Mr. Clifford Thomas | 24 | 2 | 0 | C.A. 31029 | 31.5 |  | S | 0 | 1 |
| 924 | 1 | 3 | Dean, Mrs. Bertram (Eva Georgetta Light) | 33 | 1 | 2 | C.A. 2315 | 20.575 |  | S | 1 | 0 |
| 925 | 1 | 3 | Johnston, Mrs. Andrew G (Elizabeth Lily" Watson)" | | 1 | 2 | W./C. 6607 | 23.45 |  | S | 1 | 0 |
| 926 | 0 | 1 | Mock, Mr. Philipp Edmund | 30 | 1 | 0 | 13236 | 57.75 | C78 | C | 0 | 1 |
| 927 | 0 | 3 | Katavelas, Mr. Vassilios (Catavelas Vassilios")" | 18.5 | 0 | 0 | 2682 | 7.2292 |  | C | 0 | 1 |
| 928 | 1 | 3 | Roth, Miss. Sarah A | | 0 | 0 | 342712 | 8.05 |  | S | 1 | 0 |
| 929 | 1 | 3 | Cacic, Miss. Manda | 21 | 0 | 0 | 315087 | 8.6625 |  | S | 1 | 0 |
| 930 | 0 | 3 | Sap, Mr. Julius | 25 | 0 | 0 | 345768 | 9.5 |  | S | 0 | 1 |
| 931 | 0 | 3 | Hee, Mr. Ling | | 0 | 0 | 1601 | 56.4958 |  | S | 0 | 1 |
| 932 | 0 | 3 | Karun, Mr. Franz | 39 | 0 | 1 | 349256 | 13.4167 |  | C | 0 | 1 |
| 933 | 0 | 1 | Franklin, Mr. Thomas Parham | | 0 | 0 | 113778 | 26.55 | D34 | S | 0 | 1 |
| 934 | 0 | 3 | Goldsmith, Mr. Nathan | 41 | 0 | 0 | SOTON/O.Q. 3101263 | 7.85 |  | S | 0 | 1 |
| 935 | 1 | 2 | Corbett, Mrs. Walter H (Irene Colvin) | 30 | 0 | 0 | 237249 | 13 |  | S | 1 | 0 |
| 936 | 1 | 1 | Kimball, Mrs. Edwin Nelson Jr (Gertrude Parsons) | 45 | 1 | 0 | 11753 | 52.5542 | D19 | S | 1 | 0 |
| 937 | 0 | 3 | Peltomaki, Mr. Nikolai Johannes | 25 | 0 | 0 | STON/O 2. 3101291 | 7.925 |  | S | 0 | 1 |
| 938 | 0 | 1 | Chevre, Mr. Paul Romaine | 45 | 0 | 0 | PC 17594 | 29.7 | A9 | C | 0 | 1 |
| 939 | 0 | 3 | Shaughnessy, Mr. Patrick | | 0 | 0 | 370374 | 7.75 |  | Q | 0 | 1 |
| 940 | 1 | 1 | Bucknell, Mrs. William Robert (Emma Eliza Ward) | 60 | 0 | 0 | 11813 | 76.2917 | D15 | C | 1 | 0 |
| 941 | 1 | 3 | Coutts, Mrs. William (Winnie Minnie" Treanor)" | 36 | 0 | 2 | C.A. 37671 | 15.9 |  | S | 1 | 0 |
| 942 | 0 | 1 | Smith, Mr. Lucien Philip | 24 | 1 | 0 | 13695 | 60 | C31 | S | 0 | 1 |
| 943 | 0 | 2 | Pulbaum, Mr. Franz | 27 | 0 | 0 | SC/PARIS 2168 | 15.0333 |  | C | 0 | 1 |
| 944 | 1 | 2 | Hocking, Miss. Ellen Nellie"" | 20 | 2 | 1 | 29105 | 23 |  | S | 1 | 0 |
| 945 | 1 | 1 | Fortune, Miss. Ethel Flora | 28 | 3 | 2 | 19950 | 263 | C23 C25 C27 | S | 1 | 0 |
| 946 | 0 | 2 | Mangiavacchi, Mr. Serafino Emilio | | 0 | 0 | SC/A.3 2861 | 15.5792 |  | C | 0 | 1 |
| 947 | 0 | 3 | Rice, Master. Albert | 10 | 4 | 1 | 382652 | 29.125 |  | Q | 0 | 1 |
| 948 | 0 | 3 | Cor, Mr. Bartol | 35 | 0 | 0 | 349230 | 7.8958 |  | S | 0 | 1 |
| 949 | 0 | 3 | Abelseth, Mr. Olaus Jorgensen | 25 | 0 | 0 | 348122 | 7.65 | F G63 | S | 0 | 1 |
| 950 | 0 | 3 | Davison, Mr. Thomas Henry | | 1 | 0 | 386525 | 16.1 |  | S | 0 | 1 |
| 951 | 1 | 1 | Chaudanson, Miss. Victorine | 36 | 0 | 0 | PC 17608 | 262.375 | B61 | C | 1 | 0 |
| 952 | 0 | 3 | Dika, Mr. Mirko | 17 | 0 | 0 | 349232 | 7.8958 |  | S | 0 | 1 |
| 953 | 0 | 2 | McCrae, Mr. Arthur Gordon | 32 | 0 | 0 | 237216 | 13.5 |  | S | 0 | 1 |
| 954 | 0 | 3 | Bjorklund, Mr. Ernst Herbert | 18 | 0 | 0 | 347090 | 7.75 |  | S | 0 | 1 |
| 955 | 1 | 3 | Bradley, Miss. Bridget Delia | 22 | 0 | 0 | 334914 | 7.725 |  | Q | 1 | 0 |
| 956 | 0 | 1 | Ryerson, Master. John Borie | 13 | 2 | 2 | PC 17608 | 262.375 | B57 B59 B63 B66 | C | 0 | 1 |
| 957 | 1 | 2 | Corey, Mrs. Percy C (Mary Phyllis Elizabeth Miller) | | 0 | 0 | F.C.C. 13534 | 21 |  | S | 1 | 0 |
| 958 | 1 | 3 | Burns, Miss. Mary Delia | 18 | 0 | 0 | 330963 | 7.8792 |  | Q | 1 | 0 |
| 959 | 0 | 1 | Moore, Mr. Clarence Bloomfield | 47 | 0 | 0 | 113796 | 42.4 |  | S | 0 | 1 |
| 960 | 0 | 1 | Tucker, Mr. Gilbert Milligan Jr | 31 | 0 | 0 | 2543 | 28.5375 | C53 | C | 0 | 1 |
| 961 | 1 | 1 | Fortune, Mrs. Mark (Mary McDougald) | 60 | 1 | 4 | 19950 | 263 | C23 C25 C27 | S | 1 | 0 |
| 962 | 1 | 3 | Mulvihill, Miss. Bertha E | 24 | 0 | 0 | 382653 | 7.75 |  | Q | 1 | 0 |
| 963 | 0 | 3 | Minkoff, Mr. Lazar | 21 | 0 | 0 | 349211 | 7.8958 |  | S | 0 | 1 |
| 964 | 1 | 3 | Nieminen, Miss. Manta Josefina | 29 | 0 | 0 | 3101297 | 7.925 |  | S | 1 | 0 |
| 965 | 0 | 1 | Ovies y Rodriguez, Mr. Servando | 28.5 | 0 | 0 | PC 17562 | 27.7208 | D43 | C | 0 | 1 |
| 966 | 1 | 1 | Geiger, Miss. Amalie | 35 | 0 | 0 | 113503 | 211.5 | C130 | C | 1 | 0 |
| 967 | 0 | 1 | Keeping, Mr. Edwin | 32.5 | 0 | 0 | 113503 | 211.5 | C132 | C | 0 | 1 |
| 968 | 0 | 3 | Miles, Mr. Frank | | 0 | 0 | 359306 | 8.05 |  | S | 0 | 1 |
| 969 | 1 | 1 | Cornell, Mrs. Robert Clifford (Malvina Helen Lamson) | 55 | 2 | 0 | 11770 | 25.7 | C101 | S | 1 | 0 |
| 970 | 0 | 2 | Aldworth, Mr. Charles Augustus | 30 | 0 | 0 | 248744 | 13 |  | S | 0 | 1 |
| 971 | 1 | 3 | Doyle, Miss. Elizabeth | 24 | 0 | 0 | 368702 | 7.75 |  | Q | 1 | 0 |
| 972 | 0 | 3 | Boulos, Master. Akar | 6 | 1 | 1 | 2678 | 15.2458 |  | C | 0 | 1 |
| 973 | 0 | 1 | Straus, Mr. Isidor | 67 | 1 | 0 | PC 17483 | 221.7792 | C55 C57 | S | 0 | 1 |
| 974 | 0 | 1 | Case, Mr. Howard Brown | 49 | 0 | 0 | 19924 | 26 |  | S | 0 | 1 |
| 975 | 0 | 3 | Demetri, Mr. Marinko | | 0 | 0 | 349238 | 7.8958 |  | S | 0 | 1 |
| 976 | 0 | 2 | Lamb, Mr. John Joseph | | 0 | 0 | 240261 | 10.7083 |  | Q | 0 | 1 |
| 977 | 0 | 3 | Khalil, Mr. Betros | | 1 | 0 | 2660 | 14.4542 |  | C | 0 | 1 |
| 978 | 1 | 3 | Barry, Miss. Julia | 27 | 0 | 0 | 330844 | 7.8792 |  | Q | 1 | 0 |
| 979 | 1 | 3 | Badman, Miss. Emily Louisa | 18 | 0 | 0 | A/4 31416 | 8.05 |  | S | 1 | 0 |
| 980 | 1 | 3 | O'Donoghue, Ms. Bridget | | 0 | 0 | 364856 | 7.75 |  | Q | 1 | 0 |
| 981 | 0 | 2 | Wells, Master. Ralph Lester | 2 | 1 | 1 | 29103 | 23 |  | S | 0 | 1 |
| 982 | 1 | 3 | Dyker, Mrs. Adolf Fredrik (Anna Elisabeth Judith Andersson) | 22 | 1 | 0 | 347072 | 13.9 |  | S | 1 | 0 |
| 983 | 0 | 3 | Pedersen, Mr. Olaf | | 0 | 0 | 345498 | 7.775 |  | S | 0 | 1 |
| 984 | 1 | 1 | Davidson, Mrs. Thornton (Orian Hays) | 27 | 1 | 2 | F.C. 12750 | 52 | B71 | S | 1 | 0 |
| 985 | 0 | 3 | Guest, Mr. Robert | | 0 | 0 | 376563 | 8.05 |  | S | 0 | 1 |
| 986 | 0 | 1 | Birnbaum, Mr. Jakob | 25 | 0 | 0 | 13905 | 26 |  | C | 0 | 1 |
| 987 | 0 | 3 | Tenglin, Mr. Gunnar Isidor | 25 | 0 | 0 | 350033 | 7.7958 |  | S | 0 | 1 |
| 988 | 1 | 1 | Cavendish, Mrs. Tyrell William (Julia Florence Siegel) | 76 | 1 | 0 | 19877 | 78.85 | C46 | S | 1 | 0 |
| 989 | 0 | 3 | Makinen, Mr. Kalle Edvard | 29 | 0 | 0 | STON/O 2. 3101268 | 7.925 |  | S | 0 | 1 |
| 990 | 1 | 3 | Braf, Miss. Elin Ester Maria | 20 | 0 | 0 | 347471 | 7.8542 |  | S | 1 | 0 |
| 991 | 0 | 3 | Nancarrow, Mr. William Henry | 33 | 0 | 0 | A./5. 3338 | 8.05 |  | S | 0 | 1 |
| 992 | 1 | 1 | Stengel, Mrs. Charles Emil Henry (Annie May Morris) | 43 | 1 | 0 | 11778 | 55.4417 | C116 | C | 1 | 0 |
| 993 | 0 | 2 | Weisz, Mr. Leopold | 27 | 1 | 0 | 228414 | 26 |  | S | 0 | 1 |
| 994 | 0 | 3 | Foley, Mr. William | | 0 | 0 | 365235 | 7.75 |  | Q | 0 | 1 |
| 995 | 0 | 3 | Johansson Palmquist, Mr. Oskar Leander | 26 | 0 | 0 | 347070 | 7.775 |  | S | 0 | 1 |
| 996 | 1 | 3 | Thomas, Mrs. Alexander (Thamine Thelma")" | 16 | 1 | 1 | 2625 | 8.5167 |  | C | 1 | 0 |
| 997 | 0 | 3 | Holthen, Mr. Johan Martin | 28 | 0 | 0 | C 4001 | 22.525 |  | S | 0 | 1 |
| 998 | 0 | 3 | Buckley, Mr. Daniel | 21 | 0 | 0 | 330920 | 7.8208 |  | Q | 0 | 1 |
| 999 | 0 | 3 | Ryan, Mr. Edward | | 0 | 0 | 383162 | 7.75 |  | Q | 0 | 1 |
| 1000 | 0 | 3 | Willer, Mr. Aaron (Abi Weller")" | | 0 | 0 | 3410 | 8.7125 |  | S | 0 | 1 |
| 1001 | 0 | 2 | Swane, Mr. George | 18.5 | 0 | 0 | 248734 | 13 | F | S | 0 | 1 |
| 1002 | 0 | 2 | Stanton, Mr. Samuel Ward | 41 | 0 | 0 | 237734 | 15.0458 |  | C | 0 | 1 |
| 1003 | 1 | 3 | Shine, Miss. Ellen Natalia | | 0 | 0 | 330968 | 7.7792 |  | Q | 1 | 0 |
| 1004 | 1 | 1 | Evans, Miss. Edith Corse | 36 | 0 | 0 | PC 17531 | 31.6792 | A29 | C | 1 | 0 |
| 1005 | 1 | 3 | Buckley, Miss. Katherine | 18.5 | 0 | 0 | 329944 | 7.2833 |  | Q | 1 | 0 |
| 1006 | 1 | 1 | Straus, Mrs. Isidor (Rosalie Ida Blun) | 63 | 1 | 0 | PC 17483 | 221.7792 | C55 C57 | S | 1 | 0 |
| 1007 | 0 | 3 | Chronopoulos, Mr. Demetrios | 18 | 1 | 0 | 2680 | 14.4542 |  | C | 0 | 1 |
| 1008 | 0 | 3 | Thomas, Mr. John | | 0 | 0 | 2681 | 6.4375 |  | C | 0 | 1 |
| 1009 | 1 | 3 | Sandstrom, Miss. Beatrice Irene | 1 | 1 | 1 | PP 9549 | 16.7 | G6 | S | 1 | 0 |
| 1010 | 0 | 1 | Beattie, Mr. Thomson | 36 | 0 | 0 | 13050 | 75.2417 | C6 | C | 0 | 1 |
| 1011 | 1 | 2 | Chapman, Mrs. John Henry (Sara Elizabeth Lawry) | 29 | 1 | 0 | SC/AH 29037 | 26 |  | S | 1 | 0 |
| 1012 | 1 | 2 | Watt, Miss. Bertha J | 12 | 0 | 0 | C.A. 33595 | 15.75 |  | S | 1 | 0 |
| 1013 | 0 | 3 | Kiernan, Mr. John | | 1 | 0 | 367227 | 7.75 |  | Q | 0 | 1 |
| 1014 | 1 | 1 | Schabert, Mrs. Paul (Emma Mock) | 35 | 1 | 0 | 13236 | 57.75 | C28 | C | 1 | 0 |
| 1015 | 0 | 3 | Carver, Mr. Alfred John | 28 | 0 | 0 | 392095 | 7.25 |  | S | 0 | 1 |
| 1016 | 0 | 3 | Kennedy, Mr. John | | 0 | 0 | 368783 | 7.75 |  | Q | 0 | 1 |
| 1017 | 1 | 3 | Cribb, Miss. Laura Alice | 17 | 0 | 1 | 371362 | 16.1 |  | S | 1 | 0 |
| 1018 | 0 | 3 | Brobeck, Mr. Karl Rudolf | 22 | 0 | 0 | 350045 | 7.7958 |  | S | 0 | 1 |
| 1019 | 1 | 3 | McCoy, Miss. Alicia | | 2 | 0 | 367226 | 23.25 |  | Q | 1 | 0 |
| 1020 | 0 | 2 | Bowenur, Mr. Solomon | 42 | 0 | 0 | 211535 | 13 |  | S | 0 | 1 |
| 1021 | 0 | 3 | Petersen, Mr. Marius | 24 | 0 | 0 | 342441 | 8.05 |  | S | 0 | 1 |
| 1022 | 0 | 3 | Spinner, Mr. Henry John | 32 | 0 | 0 | STON/OQ. 369943 | 8.05 |  | S | 0 | 1 |
| 1023 | 0 | 1 | Gracie, Col. Archibald IV | 53 | 0 | 0 | 113780 | 28.5 | C51 | C | 0 | 1 |
| 1024 | 1 | 3 | Lefebre, Mrs. Frank (Frances) | | 0 | 4 | 4133 | 25.4667 |  | S | 1 | 0 |
| 1025 | 0 | 3 | Thomas, Mr. Charles P | | 1 | 0 | 2621 | 6.4375 |  | C | 0 | 1 |
| 1026 | 0 | 3 | Dintcheff, Mr. Valtcho | 43 | 0 | 0 | 349226 | 7.8958 |  | S | 0 | 1 |
| 1027 | 0 | 3 | Carlsson, Mr. Carl Robert | 24 | 0 | 0 | 350409 | 7.8542 |  | S | 0 | 1 |
| 1028 | 0 | 3 | Zakarian, Mr. Mapriededer | 26.5 | 0 | 0 | 2656 | 7.225 |  | C | 0 | 1 |
| 1029 | 0 | 2 | Schmidt, Mr. August | 26 | 0 | 0 | 248659 | 13 |  | S | 0 | 1 |
| 1030 | 1 | 3 | Drapkin, Miss. Jennie | 23 | 0 | 0 | SOTON/OQ 392083 | 8.05 |  | S | 1 | 0 |
| 1031 | 0 | 3 | Goodwin, Mr. Charles Frederick | 40 | 1 | 6 | CA 2144 | 46.9 |  | S | 0 | 1 |
| 1032 | 1 | 3 | Goodwin, Miss. Jessie Allis | 10 | 5 | 2 | CA 2144 | 46.9 |  | S | 1 | 0 |
| 1033 | 1 | 1 | Daniels, Miss. Sarah | 33 | 0 | 0 | 113781 | 151.55 |  | S | 1 | 0 |
| 1034 | 0 | 1 | Ryerson, Mr. Arthur Larned | 61 | 1 | 3 | PC 17608 | 262.375 | B57 B59 B63 B66 | C | 0 | 1 |
| 1035 | 0 | 2 | Beauchamp, Mr. Henry James | 28 | 0 | 0 | 244358 | 26 |  | S | 0 | 1 |
| 1036 | 0 | 1 | Lindeberg-Lind, Mr. Erik Gustaf (Mr Edward Lingrey")" | 42 | 0 | 0 | 17475 | 26.55 |  | S | 0 | 1 |
| 1037 | 0 | 3 | Vander Planke, Mr. Julius | 31 | 3 | 0 | 345763 | 18 |  | S | 0 | 1 |
| 1038 | 0 | 1 | Hilliard, Mr. Herbert Henry | | 0 | 0 | 17463 | 51.8625 | E46 | S | 0 | 1 |
| 1039 | 0 | 3 | Davies, Mr. Evan | 22 | 0 | 0 | SC/A4 23568 | 8.05 |  | S | 0 | 1 |
| 1040 | 0 | 1 | Crafton, Mr. John Bertram | | 0 | 0 | 113791 | 26.55 |  | S | 0 | 1 |
| 1041 | 0 | 2 | Lahtinen, Rev. William | 30 | 1 | 1 | 250651 | 26 |  | S | 0 | 1 |
| 1042 | 1 | 1 | Earnshaw, Mrs. Boulton (Olive Potter) | 23 | 0 | 1 | 11767 | 83.1583 | C54 | C | 1 | 0 |
| 1043 | 0 | 3 | Matinoff, Mr. Nicola | | 0 | 0 | 349255 | 7.8958 |  | C | 0 | 1 |
| 1044 | 0 | 3 | Storey, Mr. Thomas | 60.5 | 0 | 0 | 3701 |  |  | S | 0 | 1 |
| 1045 | 1 | 3 | Klasen, Mrs. (Hulda Kristina Eugenia Lofqvist) | 36 | 0 | 2 | 350405 | 12.1833 |  | S | 1 | 0 |
| 1046 | 0 | 3 | Asplund, Master. Filip Oscar | 13 | 4 | 2 | 347077 | 31.3875 |  | S | 0 | 1 |
| 1047 | 0 | 3 | Duquemin, Mr. Joseph | 24 | 0 | 0 | S.O./P.P. 752 | 7.55 |  | S | 0 | 1 |
| 1048 | 1 | 1 | Bird, Miss. Ellen | 29 | 0 | 0 | PC 17483 | 221.7792 | C97 | S | 1 | 0 |
| 1049 | 1 | 3 | Lundin, Miss. Olga Elida | 23 | 0 | 0 | 347469 | 7.8542 |  | S | 1 | 0 |
| 1050 | 0 | 1 | Borebank, Mr. John James | 42 | 0 | 0 | 110489 | 26.55 | D22 | S | 0 | 1 |
| 1051 | 1 | 3 | Peacock, Mrs. Benjamin (Edith Nile) | 26 | 0 | 2 | SOTON/O.Q. 3101315 | 13.775 |  | S | 1 | 0 |
| 1052 | 1 | 3 | Smyth, Miss. Julia | | 0 | 0 | 335432 | 7.7333 |  | Q | 1 | 0 |
| 1053 | 0 | 3 | Touma, Master. Georges Youssef | 7 | 1 | 1 | 2650 | 15.2458 |  | C | 0 | 1 |
| 1054 | 1 | 2 | Wright, Miss. Marion | 26 | 0 | 0 | 220844 | 13.5 |  | S | 1 | 0 |
| 1055 | 0 | 3 | Pearce, Mr. Ernest | | 0 | 0 | 343271 | 7 |  | S | 0 | 1 |
| 1056 | 0 | 2 | Peruschitz, Rev. Joseph Maria | 41 | 0 | 0 | 237393 | 13 |  | S | 0 | 1 |
| 1057 | 1 | 3 | Kink-Heilmann, Mrs. Anton (Luise Heilmann) | 26 | 1 | 1 | 315153 | 22.025 |  | S | 1 | 0 |
| 1058 | 0 | 1 | Brandeis, Mr. Emil | 48 | 0 | 0 | PC 17591 | 50.4958 | B10 | C | 0 | 1 |
| 1059 | 0 | 3 | Ford, Mr. Edward Watson | 18 | 2 | 2 | W./C. 6608 | 34.375 |  | S | 0 | 1 |
| 1060 | 1 | 1 | Cassebeer, Mrs. Henry Arthur Jr (Eleanor Genevieve Fosdick) | | 0 | 0 | 17770 | 27.7208 |  | C | 1 | 0 |
| 1061 | 1 | 3 | Hellstrom, Miss. Hilda Maria | 22 | 0 | 0 | 7548 | 8.9625 |  | S | 1 | 0 |
| 1062 | 0 | 3 | Lithman, Mr. Simon | | 0 | 0 | S.O./P.P. 251 | 7.55 |  | S | 0 | 1 |
| 1063 | 0 | 3 | Zakarian, Mr. Ortin | 27 | 0 | 0 | 2670 | 7.225 |  | C | 0 | 1 |
| 1064 | 0 | 3 | Dyker, Mr. Adolf Fredrik | 23 | 1 | 0 | 347072 | 13.9 |  | S | 0 | 1 |
| 1065 | 0 | 3 | Torfa, Mr. Assad | | 0 | 0 | 2673 | 7.2292 |  | C | 0 | 1 |
| 1066 | 0 | 3 | Asplund, Mr. Carl Oscar Vilhelm Gustafsson | 40 | 1 | 5 | 347077 | 31.3875 |  | S | 0 | 1 |
| 1067 | 1 | 2 | Brown, Miss. Edith Eileen | 15 | 0 | 2 | 29750 | 39 |  | S | 1 | 0 |
| 1068 | 1 | 2 | Sincock, Miss. Maude | 20 | 0 | 0 | C.A. 33112 | 36.75 |  | S | 1 | 0 |
| 1069 | 0 | 1 | Stengel, Mr. Charles Emil Henry | 54 | 1 | 0 | 11778 | 55.4417 | C116 | C | 0 | 1 |
| 1070 | 1 | 2 | Becker, Mrs. Allen Oliver (Nellie E Baumgardner) | 36 | 0 | 3 | 230136 | 39 | F4 | S | 1 | 0 |
| 1071 | 1 | 1 | Compton, Mrs. Alexander Taylor (Mary Eliza Ingersoll) | 64 | 0 | 2 | PC 17756 | 83.1583 | E45 | C | 1 | 0 |
| 1072 | 0 | 2 | McCrie, Mr. James Matthew | 30 | 0 | 0 | 233478 | 13 |  | S | 0 | 1 |
| 1073 | 0 | 1 | Compton, Mr. Alexander Taylor Jr | 37 | 1 | 1 | PC 17756 | 83.1583 | E52 | C | 0 | 1 |
| 1074 | 1 | 1 | Marvin, Mrs. Daniel Warner (Mary Graham Carmichael Farquarson) | 18 | 1 | 0 | 113773 | 53.1 | D30 | S | 1 | 0 |
| 1075 | 0 | 3 | Lane, Mr. Patrick | | 0 | 0 | 7935 | 7.75 |  | Q | 0 | 1 |
| 1076 | 1 | 1 | Douglas, Mrs. Frederick Charles (Mary Helene Baxter) | 27 | 1 | 1 | PC 17558 | 247.5208 | B58 B60 | C | 1 | 0 |
| 1077 | 0 | 2 | Maybery, Mr. Frank Hubert | 40 | 0 | 0 | 239059 | 16 |  | S | 0 | 1 |
| 1078 | 1 | 2 | Phillips, Miss. Alice Frances Louisa | 21 | 0 | 1 | S.O./P.P. 2 | 21 |  | S | 1 | 0 |
| 1079 | 0 | 3 | Davies, Mr. Joseph | 17 | 2 | 0 | A/4 48873 | 8.05 |  | S | 0 | 1 |
| 1080 | 1 | 3 | Sage, Miss. Ada | | 8 | 2 | CA. 2343 | 69.55 |  | S | 1 | 0 |
| 1081 | 0 | 2 | Veal, Mr. James | 40 | 0 | 0 | 28221 | 13 |  | S | 0 | 1 |
| 1082 | 0 | 2 | Angle, Mr. William A | 34 | 1 | 0 | 226875 | 26 |  | S | 0 | 1 |
| 1083 | 0 | 1 | Salomon, Mr. Abraham L | | 0 | 0 | 111163 | 26 |  | S | 0 | 1 |
| 1084 | 0 | 3 | van Billiard, Master. Walter John | 11.5 | 1 | 1 | A/5. 851 | 14.5 |  | S | 0 | 1 |
| 1085 | 0 | 2 | Lingane, Mr. John | 61 | 0 | 0 | 235509 | 12.35 |  | Q | 0 | 1 |
| 1086 | 0 | 2 | Drew, Master. Marshall Brines | 8 | 0 | 2 | 28220 | 32.5 |  | S | 0 | 1 |
| 1087 | 0 | 3 | Karlsson, Mr. Julius Konrad Eugen | 33 | 0 | 0 | 347465 | 7.8542 |  | S | 0 | 1 |
| 1088 | 0 | 1 | Spedden, Master. Robert Douglas | 6 | 0 | 2 | 16966 | 134.5 | E34 | C | 0 | 1 |
| 1089 | 1 | 3 | Nilsson, Miss. Berta Olivia | 18 | 0 | 0 | 347066 | 7.775 |  | S | 1 | 0 |
| 1090 | 0 | 2 | Baimbrigge, Mr. Charles Robert | 23 | 0 | 0 | C.A. 31030 | 10.5 |  | S | 0 | 1 |
| 1091 | 1 | 3 | Rasmussen, Mrs. (Lena Jacobsen Solvang) | | 0 | 0 | 65305 | 8.1125 |  | S | 1 | 0 |
| 1092 | 1 | 3 | Murphy, Miss. Nora | | 0 | 0 | 36568 | 15.5 |  | Q | 1 | 0 |
| 1093 | 0 | 3 | Danbom, Master. Gilbert Sigvard Emanuel | 0.33 | 0 | 2 | 347080 | 14.4 |  | S | 0 | 1 |
| 1094 | 0 | 1 | Astor, Col. John Jacob | 47 | 1 | 0 | PC 17757 | 227.525 | C62 C64 | C | 0 | 1 |
| 1095 | 1 | 2 | Quick, Miss. Winifred Vera | 8 | 1 | 1 | 26360 | 26 |  | S | 1 | 0 |
| 1096 | 0 | 2 | Andrew, Mr. Frank Thomas | 25 | 0 | 0 | C.A. 34050 | 10.5 |  | S | 0 | 1 |
| 1097 | 0 | 1 | Omont, Mr. Alfred Fernand | | 0 | 0 | F.C. 12998 | 25.7417 |  | C | 0 | 1 |
| 1098 | 1 | 3 | McGowan, Miss. Katherine | 35 | 0 | 0 | 9232 | 7.75 |  | Q | 1 | 0 |
| 1099 | 0 | 2 | Collett, Mr. Sidney C Stuart | 24 | 0 | 0 | 28034 | 10.5 |  | S | 0 | 1 |
| 1100 | 1 | 1 | Rosenbaum, Miss. Edith Louise | 33 | 0 | 0 | PC 17613 | 27.7208 | A11 | C | 1 | 0 |
| 1101 | 0 | 3 | Delalic, Mr. Redjo | 25 | 0 | 0 | 349250 | 7.8958 |  | S | 0 | 1 |
| 1102 | 0 | 3 | Andersen, Mr. Albert Karvin | 32 | 0 | 0 | C 4001 | 22.525 |  | S | 0 | 1 |
| 1103 | 0 | 3 | Finoli, Mr. Luigi | | 0 | 0 | SOTON/O.Q. 3101308 | 7.05 |  | S | 0 | 1 |
| 1104 | 0 | 2 | Deacon, Mr. Percy William | 17 | 0 | 0 | S.O.C. 14879 | 73.5 |  | S | 0 | 1 |
| 1105 | 1 | 2 | Howard, Mrs. Benjamin (Ellen Truelove Arman) | 60 | 1 | 0 | 24065 | 26 |  | S | 1 | 0 |
| 1106 | 1 | 3 | Andersson, Miss. Ida Augusta Margareta | 38 | 4 | 2 | 347091 | 7.775 |  | S | 1 | 0 |
| 1107 | 0 | 1 | Head, Mr. Christopher | 42 | 0 | 0 | 113038 | 42.5 | B11 | S | 0 | 1 |
| 1108 | 1 | 3 | Mahon, Miss. Bridget Delia | | 0 | 0 | 330924 | 7.8792 |  | Q | 1 | 0 |
| 1109 | 0 | 1 | Wick, Mr. George Dennick | 57 | 1 | 1 | 36928 | 164.8667 |  | S | 0 | 1 |
| 1110 | 1 | 1 | Widener, Mrs. George Dunton (Eleanor Elkins) | 50 | 1 | 1 | 113503 | 211.5 | C80 | C | 1 | 0 |
| 1111 | 0 | 3 | Thomson, Mr. Alexander Morrison | | 0 | 0 | 32302 | 8.05 |  | S | 0 | 1 |
| 1112 | 1 | 2 | Duran y More, Miss. Florentina | 30 | 1 | 0 | SC/PARIS 2148 | 13.8583 |  | C | 1 | 0 |
| 1113 | 0 | 3 | Reynolds, Mr. Harold J | 21 | 0 | 0 | 342684 | 8.05 |  | S | 0 | 1 |
| 1114 | 1 | 2 | Cook, Mrs. (Selena Rogers) | 22 | 0 | 0 | W./C. 14266 | 10.5 | F33 | S | 1 | 0 |
| 1115 | 0 | 3 | Karlsson, Mr. Einar Gervasius | 21 | 0 | 0 | 350053 | 7.7958 |  | S | 0 | 1 |
| 1116 | 1 | 1 | Candee, Mrs. Edward (Helen Churchill Hungerford) | 53 | 0 | 0 | PC 17606 | 27.4458 |  | C | 1 | 0 |
| 1117 | 1 | 3 | Moubarek, Mrs. George (Omine Amenia" Alexander)" | | 0 | 2 | 2661 | 15.2458 |  | C | 1 | 0 |
| 1118 | 0 | 3 | Asplund, Mr. Johan Charles | 23 | 0 | 0 | 350054 | 7.7958 |  | S | 0 | 1 |
| 1119 | 1 | 3 | McNeill, Miss. Bridget | | 0 | 0 | 370368 | 7.75 |  | Q | 1 | 0 |
| 1120 | 0 | 3 | Everett, Mr. Thomas James | 40.5 | 0 | 0 | C.A. 6212 | 15.1 |  | S | 0 | 1 |
| 1121 | 0 | 2 | Hocking, Mr. Samuel James Metcalfe | 36 | 0 | 0 | 242963 | 13 |  | S | 0 | 1 |
| 1122 | 0 | 2 | Sweet, Mr. George Frederick | 14 | 0 | 0 | 220845 | 65 |  | S | 0 | 1 |
| 1123 | 1 | 1 | Willard, Miss. Constance | 21 | 0 | 0 | 113795 | 26.55 |  | S | 1 | 0 |
| 1124 | 0 | 3 | Wiklund, Mr. Karl Johan | 21 | 1 | 0 | 3101266 | 6.4958 |  | S | 0 | 1 |
| 1125 | 0 | 3 | Linehan, Mr. Michael | | 0 | 0 | 330971 | 7.8792 |  | Q | 0 | 1 |
| 1126 | 0 | 1 | Cumings, Mr. John Bradley | 39 | 1 | 0 | PC 17599 | 71.2833 | C85 | C | 0 | 1 |
| 1127 | 0 | 3 | Vendel, Mr. Olof Edvin | 20 | 0 | 0 | 350416 | 7.8542 |  | S | 0 | 1 |
| 1128 | 0 | 1 | Warren, Mr. Frank Manley | 64 | 1 | 0 | 110813 | 75.25 | D37 | C | 0 | 1 |
| 1129 | 0 | 3 | Baccos, Mr. Raffull | 20 | 0 | 0 | 2679 | 7.225 |  | C | 0 | 1 |
| 1130 | 1 | 2 | Hiltunen, Miss. Marta | 18 | 1 | 1 | 250650 | 13 |  | S | 1 | 0 |
| 1131 | 1 | 1 | Douglas, Mrs. Walter Donald (Mahala Dutton) | 48 | 1 | 0 | PC 17761 | 106.425 | C86 | C | 1 | 0 |
| 1132 | 1 | 1 | Lindstrom, Mrs. Carl Johan (Sigrid Posse) | 55 | 0 | 0 | 112377 | 27.7208 |  | C | 1 | 0 |
| 1133 | 1 | 2 | Christy, Mrs. (Alice Frances) | 45 | 0 | 2 | 237789 | 30 |  | S | 1 | 0 |
| 1134 | 0 | 1 | Spedden, Mr. Frederic Oakley | 45 | 1 | 1 | 16966 | 134.5 | E34 | C | 0 | 1 |
| 1135 | 0 | 3 | Hyman, Mr. Abraham | | 0 | 0 | 3470 | 7.8875 |  | S | 0 | 1 |
| 1136 | 0 | 3 | Johnston, Master. William Arthur Willie"" | | 1 | 2 | W./C. 6607 | 23.45 |  | S | 0 | 1 |
| 1137 | 0 | 1 | Kenyon, Mr. Frederick R | 41 | 1 | 0 | 17464 | 51.8625 | D21 | S | 0 | 1 |
| 1138 | 1 | 2 | Karnes, Mrs. J Frank (Claire Bennett) | 22 | 0 | 0 | F.C.C. 13534 | 21 |  | S | 1 | 0 |
| 1139 | 0 | 2 | Drew, Mr. James Vivian | 42 | 1 | 1 | 28220 | 32.5 |  | S | 0 | 1 |
| 1140 | 1 | 2 | Hold, Mrs. Stephen (Annie Margaret Hill) | 29 | 1 | 0 | 26707 | 26 |  | S | 1 | 0 |
| 1141 | 1 | 3 | Khalil, Mrs. Betros (Zahie Maria" Elias)" | | 1 | 0 | 2660 | 14.4542 |  | C | 1 | 0 |
| 1142 | 1 | 2 | West, Miss. Barbara J | 0.92 | 1 | 2 | C.A. 34651 | 27.75 |  | S | 1 | 0 |
| 1143 | 0 | 3 | Abrahamsson, Mr. Abraham August Johannes | 20 | 0 | 0 | SOTON/O2 3101284 | 7.925 |  | S | 0 | 1 |
| 1144 | 0 | 1 | Clark, Mr. Walter Miller | 27 | 1 | 0 | 13508 | 136.7792 | C89 | C | 0 | 1 |
| 1145 | 0 | 3 | Salander, Mr. Karl Johan | 24 | 0 | 0 | 7266 | 9.325 |  | S | 0 | 1 |
| 1146 | 0 | 3 | Wenzel, Mr. Linhart | 32.5 | 0 | 0 | 345775 | 9.5 |  | S | 0 | 1 |
| 1147 | 0 | 3 | MacKay, Mr. George William | | 0 | 0 | C.A. 42795 | 7.55 |  | S | 0 | 1 |
| 1148 | 0 | 3 | Mahon, Mr. John | | 0 | 0 | AQ/4 3130 | 7.75 |  | Q | 0 | 1 |
| 1149 | 0 | 3 | Niklasson, Mr. Samuel | 28 | 0 | 0 | 363611 | 8.05 |  | S | 0 | 1 |
| 1150 | 1 | 2 | Bentham, Miss. Lilian W | 19 | 0 | 0 | 28404 | 13 |  | S | 1 | 0 |
| 1151 | 0 | 3 | Midtsjo, Mr. Karl Albert | 21 | 0 | 0 | 345501 | 7.775 |  | S | 0 | 1 |
| 1152 | 0 | 3 | de Messemaeker, Mr. Guillaume Joseph | 36.5 | 1 | 0 | 345572 | 17.4 |  | S | 0 | 1 |
| 1153 | 0 | 3 | Nilsson, Mr. August Ferdinand | 21 | 0 | 0 | 350410 | 7.8542 |  | S | 0 | 1 |
| 1154 | 1 | 2 | Wells, Mrs. Arthur Henry (Addie" Dart Trevaskis)" | 29 | 0 | 2 | 29103 | 23 |  | S | 1 | 0 |
| 1155 | 1 | 3 | Klasen, Miss. Gertrud Emilia | 1 | 1 | 1 | 350405 | 12.1833 |  | S | 1 | 0 |
| 1156 | 0 | 2 | Portaluppi, Mr. Emilio Ilario Giuseppe | 30 | 0 | 0 | C.A. 34644 | 12.7375 |  | C | 0 | 1 |
| 1157 | 0 | 3 | Lyntakoff, Mr. Stanko | | 0 | 0 | 349235 | 7.8958 |  | S | 0 | 1 |
| 1158 | 0 | 1 | Chisholm, Mr. Roderick Robert Crispin | | 0 | 0 | 112051 | 0 |  | S | 0 | 1 |
| 1159 | 0 | 3 | Warren, Mr. Charles William | | 0 | 0 | C.A. 49867 | 7.55 |  | S | 0 | 1 |
| 1160 | 1 | 3 | Howard, Miss. May Elizabeth | | 0 | 0 | A. 2. 39186 | 8.05 |  | S | 1 | 0 |
| 1161 | 0 | 3 | Pokrnic, Mr. Mate | 17 | 0 | 0 | 315095 | 8.6625 |  | S | 0 | 1 |
| 1162 | 0 | 1 | McCaffry, Mr. Thomas Francis | 46 | 0 | 0 | 13050 | 75.2417 | C6 | C | 0 | 1 |
| 1163 | 0 | 3 | Fox, Mr. Patrick | | 0 | 0 | 368573 | 7.75 |  | Q | 0 | 1 |
| 1164 | 1 | 1 | Clark, Mrs. Walter Miller (Virginia McDowell) | 26 | 1 | 0 | 13508 | 136.7792 | C89 | C | 1 | 0 |
| 1165 | 1 | 3 | Lennon, Miss. Mary | | 1 | 0 | 370371 | 15.5 |  | Q | 1 | 0 |
| 1166 | 0 | 3 | Saade, Mr. Jean Nassr | | 0 | 0 | 2676 | 7.225 |  | C | 0 | 1 |
| 1167 | 1 | 2 | Bryhl, Miss. Dagmar Jenny Ingeborg | 20 | 1 | 0 | 236853 | 26 |  | S | 1 | 0 |
| 1168 | 0 | 2 | Parker, Mr. Clifford Richard | 28 | 0 | 0 | SC 14888 | 10.5 |  | S | 0 | 1 |
| 1169 | 0 | 2 | Faunthorpe, Mr. Harry | 40 | 1 | 0 | 2926 | 26 |  | S | 0 | 1 |
| 1170 | 0 | 2 | Ware, Mr. John James | 30 | 1 | 0 | CA 31352 | 21 |  | S | 0 | 1 |
| 1171 | 0 | 2 | Oxenham, Mr. Percy Thomas | 22 | 0 | 0 | W./C. 14260 | 10.5 |  | S | 0 | 1 |
| 1172 | 1 | 3 | Oreskovic, Miss. Jelka | 23 | 0 | 0 | 315085 | 8.6625 |  | S | 1 | 0 |
| 1173 | 0 | 3 | Peacock, Master. Alfred Edward | 0.75 | 1 | 1 | SOTON/O.Q. 3101315 | 13.775 |  | S | 0 | 1 |
| 1174 | 1 | 3 | Fleming, Miss. Honora | | 0 | 0 | 364859 | 7.75 |  | Q | 1 | 0 |
| 1175 | 1 | 3 | Touma, Miss. Maria Youssef | 9 | 1 | 1 | 2650 | 15.2458 |  | C | 1 | 0 |
| 1176 | 1 | 3 | Rosblom, Miss. Salli Helena | 2 | 1 | 1 | 370129 | 20.2125 |  | S | 1 | 0 |
| 1177 | 0 | 3 | Dennis, Mr. William | 36 | 0 | 0 | A/5 21175 | 7.25 |  | S | 0 | 1 |
| 1178 | 0 | 3 | Franklin, Mr. Charles (Charles Fardon) | | 0 | 0 | SOTON/O.Q. 3101314 | 7.25 |  | S | 0 | 1 |
| 1179 | 0 | 1 | Snyder, Mr. John Pillsbury | 24 | 1 | 0 | 21228 | 82.2667 | B45 | S | 0 | 1 |
| 1180 | 0 | 3 | Mardirosian, Mr. Sarkis | | 0 | 0 | 2655 | 7.2292 | F E46 | C | 0 | 1 |
| 1181 | 0 | 3 | Ford, Mr. Arthur | | 0 | 0 | A/5 1478 | 8.05 |  | S | 0 | 1 |
| 1182 | 0 | 1 | Rheims, Mr. George Alexander Lucien | | 0 | 0 | PC 17607 | 39.6 |  | S | 0 | 1 |
| 1183 | 1 | 3 | Daly, Miss. Margaret Marcella Maggie"" | 30 | 0 | 0 | 382650 | 6.95 |  | Q | 1 | 0 |
| 1184 | 0 | 3 | Nasr, Mr. Mustafa | | 0 | 0 | 2652 | 7.2292 |  | C | 0 | 1 |
| 1185 | 0 | 1 | Dodge, Dr. Washington | 53 | 1 | 1 | 33638 | 81.8583 | A34 | S | 0 | 1 |
| 1186 | 0 | 3 | Wittevrongel, Mr. Camille | 36 | 0 | 0 | 345771 | 9.5 |  | S | 0 | 1 |
| 1187 | 0 | 3 | Angheloff, Mr. Minko | 26 | 0 | 0 | 349202 | 7.8958 |  | S | 0 | 1 |
| 1188 | 1 | 2 | Laroche, Miss. Louise | 1 | 1 | 2 | SC/Paris 2123 | 41.5792 |  | C | 1 | 0 |
| 1189 | 0 | 3 | Samaan, Mr. Hanna | | 2 | 0 | 2662 | 21.6792 |  | C | 0 | 1 |
| 1190 | 0 | 1 | Loring, Mr. Joseph Holland | 30 | 0 | 0 | 113801 | 45.5 |  | S | 0 | 1 |
| 1191 | 0 | 3 | Johansson, Mr. Nils | 29 | 0 | 0 | 347467 | 7.8542 |  | S | 0 | 1 |
| 1192 | 0 | 3 | Olsson, Mr. Oscar Wilhelm | 32 | 0 | 0 | 347079 | 7.775 |  | S | 0 | 1 |
| 1193 | 0 | 2 | Malachard, Mr. Noel | | 0 | 0 | 237735 | 15.0458 | D | C | 0 | 1 |
| 1194 | 0 | 2 | Phillips, Mr. Escott Robert | 43 | 0 | 1 | S.O./P.P. 2 | 21 |  | S | 0 | 1 |
| 1195 | 0 | 3 | Pokrnic, Mr. Tome | 24 | 0 | 0 | 315092 | 8.6625 |  | S | 0 | 1 |
| 1196 | 1 | 3 | McCarthy, Miss. Catherine Katie"" | | 0 | 0 | 383123 | 7.75 |  | Q | 1 | 0 |
| 1197 | 1 | 1 | Crosby, Mrs. Edward Gifford (Catherine Elizabeth Halstead) | 64 | 1 | 1 | 112901 | 26.55 | B26 | S | 1 | 0 |
| 1198 | 0 | 1 | Allison, Mr. Hudson Joshua Creighton | 30 | 1 | 2 | 113781 | 151.55 | C22 C26 | S | 0 | 1 |
| 1199 | 0 | 3 | Aks, Master. Philip Frank | 0.83 | 0 | 1 | 392091 | 9.35 |  | S | 0 | 1 |
| 1200 | 0 | 1 | Hays, Mr. Charles Melville | 55 | 1 | 1 | 12749 | 93.5 | B69 | S | 0 | 1 |
| 1201 | 1 | 3 | Hansen, Mrs. Claus Peter (Jennie L Howard) | 45 | 1 | 0 | 350026 | 14.1083 |  | S | 1 | 0 |
| 1202 | 0 | 3 | Cacic, Mr. Jego Grga | 18 | 0 | 0 | 315091 | 8.6625 |  | S | 0 | 1 |
| 1203 | 0 | 3 | Vartanian, Mr. David | 22 | 0 | 0 | 2658 | 7.225 |  | C | 0 | 1 |
| 1204 | 0 | 3 | Sadowitz, Mr. Harry | | 0 | 0 | LP 1588 | 7.575 |  | S | 0 | 1 |
| 1205 | 1 | 3 | Carr, Miss. Jeannie | 37 | 0 | 0 | 368364 | 7.75 |  | Q | 1 | 0 |
| 1206 | 1 | 1 | White, Mrs. John Stuart (Ella Holmes) | 55 | 0 | 0 | PC 17760 | 135.6333 | C32 | C | 1 | 0 |
| 1207 | 1 | 3 | Hagardon, Miss. Kate | 17 | 0 | 0 | AQ/3. 30631 | 7.7333 |  | Q | 1 | 0 |
| 1208 | 0 | 1 | Spencer, Mr. William Augustus | 57 | 1 | 0 | PC 17569 | 146.5208 | B78 | C | 0 | 1 |
| 1209 | 0 | 2 | Rogers, Mr. Reginald Harry | 19 | 0 | 0 | 28004 | 10.5 |  | S | 0 | 1 |
| 1210 | 0 | 3 | Jonsson, Mr. Nils Hilding | 27 | 0 | 0 | 350408 | 7.8542 |  | S | 0 | 1 |
| 1211 | 0 | 2 | Jefferys, Mr. Ernest Wilfred | 22 | 2 | 0 | C.A. 31029 | 31.5 |  | S | 0 | 1 |
| 1212 | 0 | 3 | Andersson, Mr. Johan Samuel | 26 | 0 | 0 | 347075 | 7.775 |  | S | 0 | 1 |
| 1213 | 0 | 3 | Krekorian, Mr. Neshan | 25 | 0 | 0 | 2654 | 7.2292 | F E57 | C | 0 | 1 |
| 1214 | 0 | 2 | Nesson, Mr. Israel | 26 | 0 | 0 | 244368 | 13 | F2 | S | 0 | 1 |
| 1215 | 0 | 1 | Rowe, Mr. Alfred G | 33 | 0 | 0 | 113790 | 26.55 |  | S | 0 | 1 |
| 1216 | 1 | 1 | Kreuchen, Miss. Emilie | 39 | 0 | 0 | 24160 | 211.3375 |  | S | 1 | 0 |
| 1217 | 0 | 3 | Assam, Mr. Ali | 23 | 0 | 0 | SOTON/O.Q. 3101309 | 7.05 |  | S | 0 | 1 |
| 1218 | 1 | 2 | Becker, Miss. Ruth Elizabeth | 12 | 2 | 1 | 230136 | 39 | F4 | S | 1 | 0 |
| 1219 | 0 | 1 | Rosenshine, Mr. George (Mr George Thorne")" | 46 | 0 | 0 | PC 17585 | 79.2 |  | C | 0 | 1 |
| 1220 | 0 | 2 | Clarke, Mr. Charles Valentine | 29 | 1 | 0 | 2003 | 26 |  | S | 0 | 1 |
| 1221 | 0 | 2 | Enander, Mr. Ingvar | 21 | 0 | 0 | 236854 | 13 |  | S | 0 | 1 |
| 1222 | 1 | 2 | Davies, Mrs. John Morgan (Elizabeth Agnes Mary White) | 48 | 0 | 2 | C.A. 33112 | 36.75 |  | S | 1 | 0 |
| 1223 | 0 | 1 | Dulles, Mr. William Crothers | 39 | 0 | 0 | PC 17580 | 29.7 | A18 | C | 0 | 1 |
| 1224 | 0 | 3 | Thomas, Mr. Tannous | | 0 | 0 | 2684 | 7.225 |  | C | 0 | 1 |
| 1225 | 1 | 3 | Nakid, Mrs. Said (Waika Mary" Mowad)" | 19 | 1 | 1 | 2653 | 15.7417 |  | C | 1 | 0 |
| 1226 | 0 | 3 | Cor, Mr. Ivan | 27 | 0 | 0 | 349229 | 7.8958 |  | S | 0 | 1 |
| 1227 | 0 | 1 | Maguire, Mr. John Edward | 30 | 0 | 0 | 110469 | 26 | C106 | S | 0 | 1 |
| 1228 | 0 | 2 | de Brito, Mr. Jose Joaquim | 32 | 0 | 0 | 244360 | 13 |  | S | 0 | 1 |
| 1229 | 0 | 3 | Elias, Mr. Joseph | 39 | 0 | 2 | 2675 | 7.2292 |  | C | 0 | 1 |
| 1230 | 0 | 2 | Denbury, Mr. Herbert | 25 | 0 | 0 | C.A. 31029 | 31.5 |  | S | 0 | 1 |
| 1231 | 0 | 3 | Betros, Master. Seman | | 0 | 0 | 2622 | 7.2292 |  | C | 0 | 1 |
| 1232 | 0 | 2 | Fillbrook, Mr. Joseph Charles | 18 | 0 | 0 | C.A. 15185 | 10.5 |  | S | 0 | 1 |
| 1233 | 0 | 3 | Lundstrom, Mr. Thure Edvin | 32 | 0 | 0 | 350403 | 7.5792 |  | S | 0 | 1 |
| 1234 | 0 | 3 | Sage, Mr. John George | | 1 | 9 | CA. 2343 | 69.55 |  | S | 0 | 1 |
| 1235 | 1 | 1 | Cardeza, Mrs. James Warburton Martinez (Charlotte Wardle Drake) | 58 | 0 | 1 | PC 17755 | 512.3292 | B51 B53 B55 | C | 1 | 0 |
| 1236 | 0 | 3 | van Billiard, Master. James William | | 1 | 1 | A/5. 851 | 14.5 |  | S | 0 | 1 |
| 1237 | 1 | 3 | Abelseth, Miss. Karen Marie | 16 | 0 | 0 | 348125 | 7.65 |  | S | 1 | 0 |
| 1238 | 0 | 2 | Botsford, Mr. William Hull | 26 | 0 | 0 | 237670 | 13 |  | S | 0 | 1 |
| 1239 | 1 | 3 | Whabee, Mrs. George Joseph (Shawneene Abi-Saab) | 38 | 0 | 0 | 2688 | 7.2292 |  | C | 1 | 0 |
| 1240 | 0 | 2 | Giles, Mr. Ralph | 24 | 0 | 0 | 248726 | 13.5 |  | S | 0 | 1 |
| 1241 | 1 | 2 | Walcroft, Miss. Nellie | 31 | 0 | 0 | F.C.C. 13528 | 21 |  | S | 1 | 0 |
| 1242 | 1 | 1 | Greenfield, Mrs. Leo David (Blanche Strouse) | 45 | 0 | 1 | PC 17759 | 63.3583 | D10 D12 | C | 1 | 0 |
| 1243 | 0 | 2 | Stokes, Mr. Philip Joseph | 25 | 0 | 0 | F.C.C. 13540 | 10.5 |  | S | 0 | 1 |
| 1244 | 0 | 2 | Dibden, Mr. William | 18 | 0 | 0 | S.O.C. 14879 | 73.5 |  | S | 0 | 1 |
| 1245 | 0 | 2 | Herman, Mr. Samuel | 49 | 1 | 2 | 220845 | 65 |  | S | 0 | 1 |
| 1246 | 1 | 3 | Dean, Miss. Elizabeth Gladys Millvina"" | 0.17 | 1 | 2 | C.A. 2315 | 20.575 |  | S | 1 | 0 |
| 1247 | 0 | 1 | Julian, Mr. Henry Forbes | 50 | 0 | 0 | 113044 | 26 | E60 | S | 0 | 1 |
| 1248 | 1 | 1 | Brown, Mrs. John Murray (Caroline Lane Lamson) | 59 | 2 | 0 | 11769 | 51.4792 | C101 | S | 1 | 0 |
| 1249 | 0 | 3 | Lockyer, Mr. Edward | | 0 | 0 | 1222 | 7.8792 |  | S | 0 | 1 |
| 1250 | 0 | 3 | O'Keefe, Mr. Patrick | | 0 | 0 | 368402 | 7.75 |  | Q | 0 | 1 |
| 1251 | 1 | 3 | Lindell, Mrs. Edvard Bengtsson (Elin Gerda Persson) | 30 | 1 | 0 | 349910 | 15.55 |  | S | 1 | 0 |
| 1252 | 0 | 3 | Sage, Master. William Henry | 14.5 | 8 | 2 | CA. 2343 | 69.55 |  | S | 0 | 1 |
| 1253 | 1 | 2 | Mallet, Mrs. Albert (Antoinette Magnin) | 24 | 1 | 1 | S.C./PARIS 2079 | 37.0042 |  | C | 1 | 0 |
| 1254 | 1 | 2 | Ware, Mrs. John James (Florence Louise Long) | 31 | 0 | 0 | CA 31352 | 21 |  | S | 1 | 0 |
| 1255 | 0 | 3 | Strilic, Mr. Ivan | 27 | 0 | 0 | 315083 | 8.6625 |  | S | 0 | 1 |
| 1256 | 1 | 1 | Harder, Mrs. George Achilles (Dorothy Annan) | 25 | 1 | 0 | 11765 | 55.4417 | E50 | C | 1 | 0 |
| 1257 | 1 | 3 | Sage, Mrs. John (Annie Bullen) | | 1 | 9 | CA. 2343 | 69.55 |  | S | 1 | 0 |
| 1258 | 0 | 3 | Caram, Mr. Joseph | | 1 | 0 | 2689 | 14.4583 |  | C | 0 | 1 |
| 1259 | 1 | 3 | Riihivouri, Miss. Susanna Juhantytar Sanni"" | 22 | 0 | 0 | 3101295 | 39.6875 |  | S | 1 | 0 |
| 1260 | 1 | 1 | Gibson, Mrs. Leonard (Pauline C Boeson) | 45 | 0 | 1 | 112378 | 59.4 |  | C | 1 | 0 |
| 1261 | 0 | 2 | Pallas y Castello, Mr. Emilio | 29 | 0 | 0 | SC/PARIS 2147 | 13.8583 |  | C | 0 | 1 |
| 1262 | 0 | 2 | Giles, Mr. Edgar | 21 | 1 | 0 | 28133 | 11.5 |  | S | 0 | 1 |
| 1263 | 1 | 1 | Wilson, Miss. Helen Alice | 31 | 0 | 0 | 16966 | 134.5 | E39 E41 | C | 1 | 0 |
| 1264 | 0 | 1 | Ismay, Mr. Joseph Bruce | 49 | 0 | 0 | 112058 | 0 | B52 B54 B56 | S | 0 | 1 |
| 1265 | 0 | 2 | Harbeck, Mr. William H | 44 | 0 | 0 | 248746 | 13 |  | S | 0 | 1 |
| 1266 | 1 | 1 | Dodge, Mrs. Washington (Ruth Vidaver) | 54 | 1 | 1 | 33638 | 81.8583 | A34 | S | 1 | 0 |
| 1267 | 1 | 1 | Bowen, Miss. Grace Scott | 45 | 0 | 0 | PC 17608 | 262.375 |  | C | 1 | 0 |
| 1268 | 1 | 3 | Kink, Miss. Maria | 22 | 2 | 0 | 315152 | 8.6625 |  | S | 1 | 0 |
| 1269 | 0 | 2 | Cotterill, Mr. Henry Harry"" | 21 | 0 | 0 | 29107 | 11.5 |  | S | 0 | 1 |
| 1270 | 0 | 1 | Hipkins, Mr. William Edward | 55 | 0 | 0 | 680 | 50 | C39 | S | 0 | 1 |
| 1271 | 0 | 3 | Asplund, Master. Carl Edgar | 5 | 4 | 2 | 347077 | 31.3875 |  | S | 0 | 1 |
| 1272 | 0 | 3 | O'Connor, Mr. Patrick | | 0 | 0 | 366713 | 7.75 |  | Q | 0 | 1 |
| 1273 | 0 | 3 | Foley, Mr. Joseph | 26 | 0 | 0 | 330910 | 7.8792 |  | Q | 0 | 1 |
| 1274 | 1 | 3 | Risien, Mrs. Samuel (Emma) | | 0 | 0 | 364498 | 14.5 |  | S | 1 | 0 |
| 1275 | 1 | 3 | McNamee, Mrs. Neal (Eileen O'Leary) | 19 | 1 | 0 | 376566 | 16.1 |  | S | 1 | 0 |
| 1276 | 0 | 2 | Wheeler, Mr. Edwin Frederick"" | | 0 | 0 | SC/PARIS 2159 | 12.875 |  | S | 0 | 1 |
| 1277 | 1 | 2 | Herman, Miss. Kate | 24 | 1 | 2 | 220845 | 65 |  | S | 1 | 0 |
| 1278 | 0 | 3 | Aronsson, Mr. Ernst Axel Algot | 24 | 0 | 0 | 349911 | 7.775 |  | S | 0 | 1 |
| 1279 | 0 | 2 | Ashby, Mr. John | 57 | 0 | 0 | 244346 | 13 |  | S | 0 | 1 |
| 1280 | 0 | 3 | Canavan, Mr. Patrick | 21 | 0 | 0 | 364858 | 7.75 |  | Q | 0 | 1 |
| 1281 | 0 | 3 | Palsson, Master. Paul Folke | 6 | 3 | 1 | 349909 | 21.075 |  | S | 0 | 1 |
| 1282 | 0 | 1 | Payne, Mr. Vivian Ponsonby | 23 | 0 | 0 | 12749 | 93.5 | B24 | S | 0 | 1 |
| 1283 | 1 | 1 | Lines, Mrs. Ernest H (Elizabeth Lindsey James) | 51 | 0 | 1 | PC 17592 | 39.4 | D28 | S | 1 | 0 |
| 1284 | 0 | 3 | Abbott, Master. Eugene Joseph | 13 | 0 | 2 | C.A. 2673 | 20.25 |  | S | 0 | 1 |
| 1285 | 0 | 2 | Gilbert, Mr. William | 47 | 0 | 0 | C.A. 30769 | 10.5 |  | S | 0 | 1 |
| 1286 | 0 | 3 | Kink-Heilmann, Mr. Anton | 29 | 3 | 1 | 315153 | 22.025 |  | S | 0 | 1 |
| 1287 | 1 | 1 | Smith, Mrs. Lucien Philip (Mary Eloise Hughes) | 18 | 1 | 0 | 13695 | 60 | C31 | S | 1 | 0 |
| 1288 | 0 | 3 | Colbert, Mr. Patrick | 24 | 0 | 0 | 371109 | 7.25 |  | Q | 0 | 1 |
| 1289 | 1 | 1 | Frolicher-Stehli, Mrs. Maxmillian (Margaretha Emerentia Stehli) | 48 | 1 | 1 | 13567 | 79.2 | B41 | C | 1 | 0 |
| 1290 | 0 | 3 | Larsson-Rondberg, Mr. Edvard A | 22 | 0 | 0 | 347065 | 7.775 |  | S | 0 | 1 |
| 1291 | 0 | 3 | Conlon, Mr. Thomas Henry | 31 | 0 | 0 | 21332 | 7.7333 |  | Q | 0 | 1 |
| 1292 | 1 | 1 | Bonnell, Miss. Caroline | 30 | 0 | 0 | 36928 | 164.8667 | C7 | S | 1 | 0 |
| 1293 | 0 | 2 | Gale, Mr. Harry | 38 | 1 | 0 | 28664 | 21 |  | S | 0 | 1 |
| 1294 | 1 | 1 | Gibson, Miss. Dorothy Winifred | 22 | 0 | 1 | 112378 | 59.4 |  | C | 1 | 0 |
| 1295 | 0 | 1 | Carrau, Mr. Jose Pedro | 17 | 0 | 0 | 113059 | 47.1 |  | S | 0 | 1 |
| 1296 | 0 | 1 | Frauenthal, Mr. Isaac Gerald | 43 | 1 | 0 | 17765 | 27.7208 | D40 | C | 0 | 1 |
| 1297 | 0 | 2 | Nourney, Mr. Alfred (Baron von Drachstedt")" | 20 | 0 | 0 | SC/PARIS 2166 | 13.8625 | D38 | C | 0 | 1 |
| 1298 | 0 | 2 | Ware, Mr. William Jeffery | 23 | 1 | 0 | 28666 | 10.5 |  | S | 0 | 1 |
| 1299 | 0 | 1 | Widener, Mr. George Dunton | 50 | 1 | 1 | 113503 | 211.5 | C80 | C | 0 | 1 |
| 1300 | 1 | 3 | Riordan, Miss. Johanna Hannah"" | | 0 | 0 | 334915 | 7.7208 |  | Q | 1 | 0 |
| 1301 | 1 | 3 | Peacock, Miss. Treasteall | 3 | 1 | 1 | SOTON/O.Q. 3101315 | 13.775 |  | S | 1 | 0 |
| 1302 | 1 | 3 | Naughton, Miss. Hannah | | 0 | 0 | 365237 | 7.75 |  | Q | 1 | 0 |
| 1303 | 1 | 1 | Minahan, Mrs. William Edward (Lillian E Thorpe) | 37 | 1 | 0 | 19928 | 90 | C78 | Q | 1 | 0 |
| 1304 | 1 | 3 | Henriksson, Miss. Jenny Lovisa | 28 | 0 | 0 | 347086 | 7.775 |  | S | 1 | 0 |
| 1305 | 0 | 3 | Spector, Mr. Woolf | | 0 | 0 | A.5. 3236 | 8.05 |  | S | 0 | 1 |
| 1306 | 1 | 1 | Oliva y Ocana, Dona. Fermina | 39 | 0 | 0 | PC 17758 | 108.9 | C105 | C | 1 | 0 |
| 1307 | 0 | 3 | Saether, Mr. Simon Sivertsen | 38.5 | 0 | 0 | SOTON/O.Q. 3101262 | 7.25 |  | S | 0 | 1 |
| 1308 | 0 | 3 | Ware, Mr. Frederick | | 0 | 0 | 359309 | 8.05 |  | S | 0 | 1 |
| 1309 | 0 | 3 | Peter, Master. Michael J | | 1 | 1 | 2668 | 22.3583 |  | C | 0 | 1 |

# Для набора данных для одного (произвольного) числового признака проведите обнаружение и удаление выбросов на основе межквартильного размаха.

import pandas as pd

import matplotlib.pyplot as plt

# Загрузка датасета

data = pd.read\_csv('titanic.csv')

# Заполнение пропущенных значений медианным возрастом:

median\_age = data['Age'].median()

data['Age'].fillna(median\_age, inplace=True)

# Выбор столбца Age

age = data["Age"]

from scipy.stats import iqr

# Вычисление межквартильного размаха

q1, q3 = age.quantile(0.25), age.quantile(0.75)

iqr\_age = iqr(age)

# Определение границ выбросов

outlier\_min = q1 - 1.5 \* iqr\_age

outlier\_max = q3 + 1.5 \* iqr\_age

# Удаление выбросов

age\_clean = age[(age >= outlier\_min) & (age <= outlier\_max)]

print("Межквартильный размах: ", iqr\_age)

print("Нижняя граница выбросов: ", outlier\_min)

print("Верхняя граница выбросов: ", outlier\_max)

# Построение гистограммы исходного признака

plt.hist(age, bins=20)

plt.title("Исходный признак Age")

plt.xlabel("Age")

plt.ylabel("Частота")

plt.show()

# Построение гистограммы очищенного от выбросов признака

plt.hist(age\_clean, bins=20)

plt.title("Очищенный от выбросов признак Age")

plt.xlabel("Age")

plt.ylabel("Частота")

plt.show()

В итоге имеем:





