ASSIGNMENT-3

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BALLARI MALIK BASHA 21BCE9545 VIT-AP

1 Import the Libraries

```
[1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

2 Importing the data set

```
[2]: df=pd.read_csv("Titanic-Dataset.csv")
[3]: df.head()
[3]:
        PassengerId
                      Survived
                                Pclass
     0
                  1
                             0
                                      3
                  2
     1
                             1
                                      1
     2
                   3
                                      3
                             1
     3
                   4
                             1
                                      1
                  5
                                      3
                                                        Name
                                                                 Sex
                                                                        Age SibSp \
     0
                                    Braund, Mr. Owen Harris
                                                                male
                                                                       22.0
                                                                                 1
     1
        Cumings, Mrs. John Bradley (Florence Briggs Th... female 38.0
                                                                               1
     2
                                     Heikkinen, Miss. Laina
                                                                                 0
                                                              female
                                                                       26.0
     3
             Futrelle, Mrs. Jacques Heath (Lily May Peel)
                                                              female
                                                                       35.0
                                                                                 1
     4
                                                                      35.0
                                   Allen, Mr. William Henry
                                                                male
        Parch
                          Ticket
                                      Fare Cabin Embarked
     0
            0
                       A/5 21171
                                   7.2500
                                             NaN
                                                         S
            0
                        PC 17599
                                  71.2833
                                             C85
                                                         С
     1
     2
                                                         S
            0
               STON/02. 3101282
                                   7.9250
                                             NaN
     3
                          113803 53.1000 C123
                                                         S
            0
```

4 0 373450 8.0500 NaN S

[4]: df.describe()

[4]:		PassengerId	Survived	Pclass	Age	SibSp
	count	891.000000	891.000000	891.000000	714.000000	891.000000
	mean	446.000000	0.383838	2.308642	29.699118	0.523008
	std	257.353842	0.486592	0.836071	14.526497	1.102743
	min	1.000000	0.00000	1.000000	0.420000	0.000000
	25%	223.500000	0.000000	2.000000	20.125000	0.000000
	50%	446.000000	0.000000	3.000000	28.000000	0.000000
	75%	668.500000	1.000000	3.000000	38.000000	1.000000
	max	891.000000	1.000000	3.000000	80.000000	8.000000
		Parch	Fare			
	count	891.000000	891.000000			
	mean	0.381594	32.204208			
	std	0.806057	49.693429			
	min	0.000000	0.000000			
	25%	0.000000	7.910400			
	50%	0.000000	14.454200			
	75%	0.000000	31.000000			
	max	6.000000	512.329200			

[5]: df.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 891 entries, 0 to 890
Data columns (total 12 columns):

#	Column	Non-Null Count	Dtype				
0	PassengerId	891 non-null	int64				
1	Survived	891 non-null	int64				
2	Pclass	891 non-null	int64				
3	Name	891 non-null	object				
4	Sex	891 non-null	object				
5	Age	714 non-null	float64				
6	SibSp	891 non-null	int64				
7	Parch	891 non-null	int64				
8	Ticket	891 non-null	object				
9	Fare	891 non-null	float64				
10	Cabin	204 non-null	object				
11	Embarked	889 non-null	object				
dtypes: float64(2), int64(5), object(5)							

[6]: df.corr()

memory usage: 83.7+ KB

C:\Users\mb419\AppData\Local\Temp\ipykernel_21236\1134722465.py:1:
FutureWarning: The default value of numeric_only in DataFrame.corr is
deprecated. In a future version, it will default to False. Select only valid
columns or specify the value of numeric_only to silence this warning.
 df.corr()

[6]: PassengerId Survived Pclass Age SibSp Parch \ PassengerId 1.000000 -0.005007 -0.035144 0.036847 -0.057527 -0.001652 Survived -0.005007 1.000000 -0.338481 -0.077221 -0.035322 0.081629 -0.035144 -0.338481 **Pclass** 1.000000 -0.369226 0.083081 0.018443 0.036847 -0.077221 -0.369226 1.000000 -0.308247 -0.189119 Age -0.057527 -0.035322 0.083081 -0.308247 1.000000 0.414838SibSp -0.001652 0.081629 0.018443 -0.189119 0.414838 1.000000 Parch Fare Fare PassengerId 0.012658 Survived 0.257307 Pclass -0.549500 Age 0.096067 SibSp 0.159651 Parch 0.216225 Fare 1.000000

[7]: df.corr().Fare.sort_values(ascending=False)

C:\Users\mb419\AppData\Local\Temp\ipykernel_21236\60082530.py:1: FutureWarning: The default value of numeric_only in DataFrame.corr is deprecated. In a future version, it will default to False. Select only valid columns or specify the value of numeric_only to silence this warning.

df.corr().Fare.sort_values(ascending=False)

[7]: Fare 1.000000
Survived 0.257307
Parch 0.216225
SibSp 0.159651
Age 0.096067
PassengerId 0.012658
Pclass -0.549500
Name: Fare, dtype: float64

3 Checking for Null values

[8]: df.isnull().any()

[8]: PassengerId False
Survived False

```
Pclass
                False
Name
                False
Sex
                False
Age
                 True
SibSp
                False
Parch
                False
Ticket
                False
Fare
                False
Cabin
                 True
Embarked
                 True
dtype: bool
```

[9]: df.isnull().sum()

[9]: PassengerId 0 Survived 0 Pclass 0 Name Sex 0 177 Age SibSp 0 Parch 0 Ticket 0 Fare 0 Cabin 687 Embarked dtype: int64

4 Filling the Null values

```
[10]: # Fill missing values in numerical columns with the mean
numerical_cols = ['Age', 'Fare']
for col in numerical_cols:
    df[col].fillna(df[col].mean(), inplace=True)

# Fill missing values in categorical columns with the mode
categorical_cols = ['Embarked', 'Cabin']
for col in categorical_cols:
    df[col].fillna(df[col].mode()[0], inplace=True)
```

[11]: df.isnull().any()

[11]: PassengerId False
Survived False
Pclass False
Name False

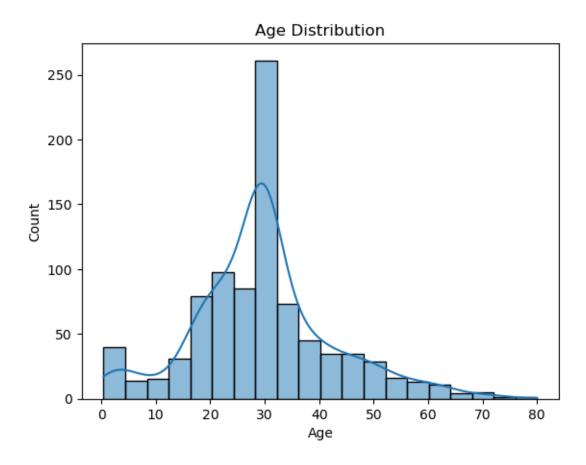
```
False
Sex
Age
               False
               False
SibSp
Parch
               False
Ticket
               False
Fare
               False
Cabin
               False
Embarked
               False
dtype: bool
```

[12]: df.isnull().sum()

```
[12]: PassengerId
                      0
      Survived
                      0
      Pclass
                      0
      Name
                      0
      Sex
                      0
      Age
                      0
      SibSp
                      0
      Parch
                      0
      Ticket
                      0
      Fare
                      0
      Cabin
                      0
                      0
      Embarked
      dtype: int64
```

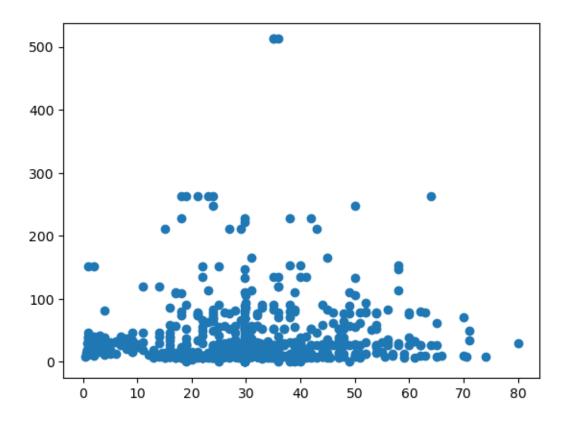
5 Data Visualization

```
[13]: sns.histplot(df['Age'], bins=20, kde=True)
plt.title('Age Distribution')
plt.show()
```



[14]: plt.scatter(df["Age"],df["Fare"])

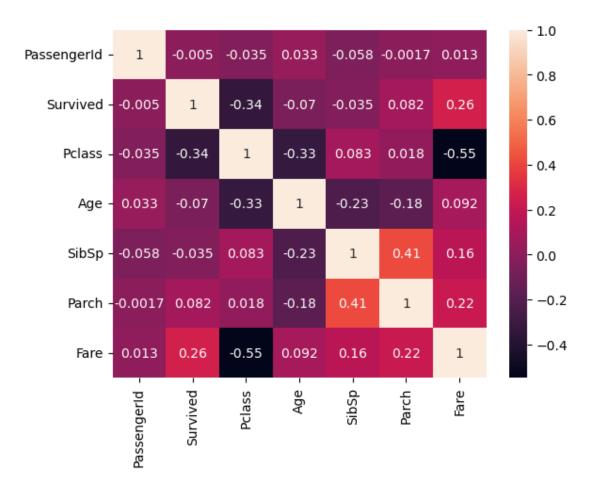
[14]: <matplotlib.collections.PathCollection at 0x1591345cb90>



[15]: sns.heatmap(df.corr(),annot=True)

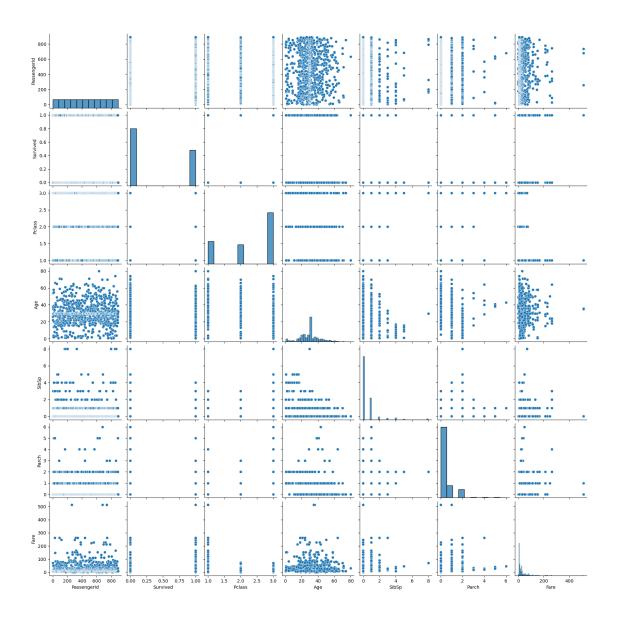
C:\Users\mb419\AppData\Local\Temp\ipykernel_21236\4277794465.py:1:
FutureWarning: The default value of numeric_only in DataFrame.corr is
deprecated. In a future version, it will default to False. Select only valid
columns or specify the value of numeric_only to silence this warning.
 sns.heatmap(df.corr(),annot=True)

[15]: <Axes: >

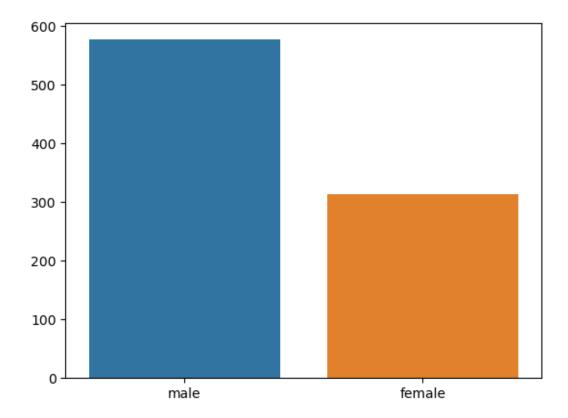


[16]: sns.pairplot(df)

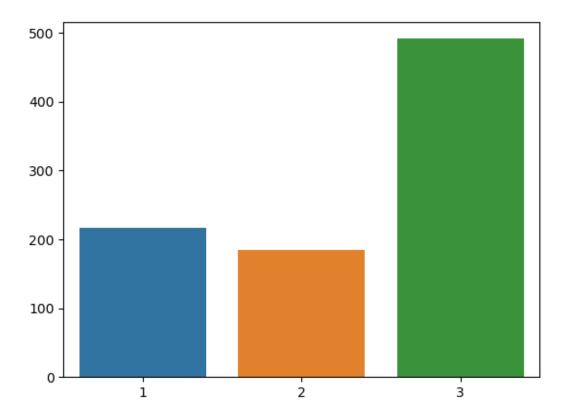
[16]: <seaborn.axisgrid.PairGrid at 0x15913501510>



```
[17]: gender_count = df['Sex'].value_counts()
sns.barplot(x=gender_count.index, y=gender_count.values)
plt.show()
```



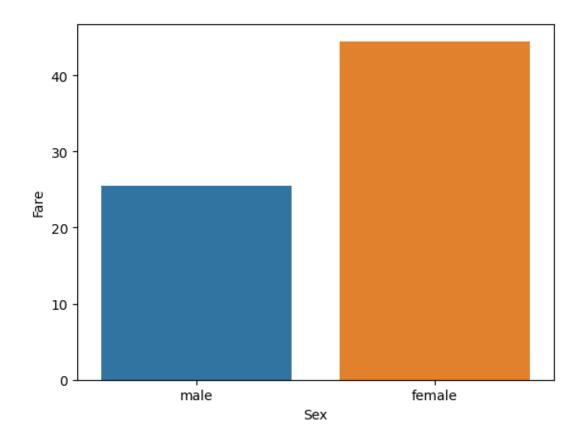
```
[18]: passenger_class = df['Pclass'].value_counts()
sns.barplot(x=passenger_class.index, y=passenger_class.values)
plt.show()
```



 $\begin{tabular}{l} $C:\Wsers\mb419\appData\Local\Temp\ipykernel_21236\1722039900.py:1: Future\Warning: \end{tabular}$

The `ci` parameter is deprecated. Use `errorbar=('ci', 0)` for the same effect. sns.barplot(x=df["Sex"],y=df["Fare"],ci=0)

[19]: <Axes: xlabel='Sex', ylabel='Fare'>

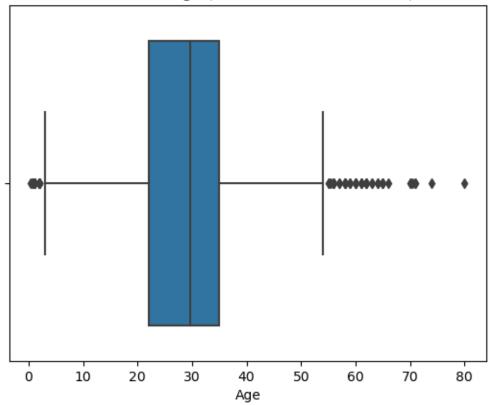


6 Outlier Detection

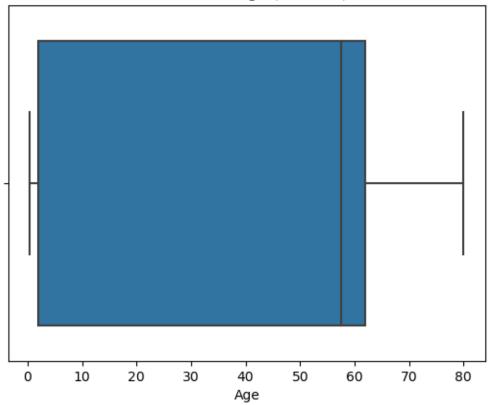
```
[20]: df.head()
                      Survived
[20]:
         PassengerId
                               Pclass \
      0
                                      3
                   1
      1
                   2
                                      1
      2
                   3
                                      3
                             1
      3
                   4
                             1
                                      1
                   5
                                      3
                                                                           SibSp \
                                                       Name
                                                                Sex
                                                                       Age
      0
                                   Braund, Mr. Owen Harris
                                                               male 22.0
      1
         Cumings, Mrs. John Bradley (Florence Briggs Th... female 38.0
      2
                                    Heikkinen, Miss. Laina female
      3
              Futrelle, Mrs. Jacques Heath (Lily May Peel)
                                                             female
                                                                    35.0
                                                                                1
      4
                                  Allen, Mr. William Henry
                                                               male 35.0
                                                                                0
         Parch
                          Ticket
                                              Cabin Embarked
                                     Fare
      0
                       A/5 21171
                                   7.2500 B96 B98
```

```
PC 17599 71.2833
                                                          С
      1
            0
                                               C85
      2
            0 STON/O2. 3101282
                                 7.9250 B96 B98
                                                          S
      3
                                                          S
             0
                          113803 53.1000
                                              C123
                                                          S
      4
             0
                          373450
                                   8.0500 B96 B98
[21]: sns.boxplot(x=df['Age'])
      plt.title('Box Plot of Age (Before Outlier Detection)')
     plt.show()
      # Calculate the IQR (Interquartile Range)
      Q1 = df['Age'].quantile(0.25)
      Q3 = df['Age'].quantile(0.75)
      IQR = Q3 - Q1
      # Define the lower and upper bounds for outliers
      lower_bound = Q1 - 1.5 * IQR
      upper_bound = Q3 + 1.5 * IQR
      # Detect outliers
      outliers = df[(df['Age'] < lower_bound) | (df['Age'] > upper_bound)]
      # Visualize the outliers
      sns.boxplot(x=outliers['Age'])
      plt.title('Box Plot of Age (Outliers)')
      plt.show()
      # Remove outliers (if desired)
      \#df\_cleaned = df[(df['Age'] \ge lower\_bound) & (df['Age'] \le upper\_bound)]
```









7 Splitting Dependent and Independent variables

```
[22]: df.head()
                                Pclass
[22]:
                      Survived
         PassengerId
                   1
                              0
      0
                                      3
                   2
      1
                   3
                                      3
      2
      3
                                      1
                                      3
                                                        Name
                                                                 Sex
                                                                        Age
                                                                             SibSp \
      0
                                    Braund, Mr. Owen Harris
                                                                       22.0
                                                                male
                                                                                 1
      1
         Cumings, Mrs. John Bradley (Florence Briggs Th... female 38.0
                                                                               1
      2
                                     Heikkinen, Miss. Laina
                                                              female
                                                                                 0
      3
              Futrelle, Mrs. Jacques Heath (Lily May Peel)
                                                              female
                                                                       35.0
                                                                                 1
                                   Allen, Mr. William Henry
                                                                male 35.0
                                                                                 0
         Parch
                           Ticket
                                               Cabin Embarked
                                      Fare
```

```
7.2500 B96 B98
      1
                        PC 17599 71.2833
                                                C85
                                                            С
             0
                                                            S
      2
                STON/02. 3101282
                                   7.9250
                                            B96 B98
      3
                                   53.1000
                                                            S
                          113803
                                               C123
      4
             0
                          373450
                                    8.0500
                                           B96 B98
                                                            S
[23]: x = df.drop('Survived', axis=1)
      x.head()
         PassengerId Pclass
                                                                             Name \
Г231:
                   1
                                                         Braund, Mr. Owen Harris
                   2
                           1
                              Cumings, Mrs. John Bradley (Florence Briggs Th...
      1
      2
                   3
                           3
                                                          Heikkinen, Miss. Laina
                   4
                                    Futrelle, Mrs. Jacques Heath (Lily May Peel)
      3
                           1
      4
                   5
                           3
                                                        Allen, Mr. William Henry
                                                                    Cabin Embarked
            Sex
                  Age SibSp
                              Parch
                                                Ticket
                                                           Fare
           male 22.0
                                                         7.2500
                                                                 B96 B98
                                   0
                                             A/5 21171
        female 38.0
                           1
                                   0
                                              PC 17599 71.2833
                                                                      C85
                                                                                 C
      1
      2 female 26.0
                           0
                                   0
                                     STON/02. 3101282
                                                         7.9250
                                                                 B96 B98
                                                                                 S
                                                                                 S
      3 female 35.0
                           1
                                   0
                                                113803 53.1000
                                                                     C123
           male 35.0
                           0
                                   0
                                                373450
                                                         8.0500
                                                                                 S
                                                                 B96 B98
[24]: x.shape
[24]: (891, 11)
[25]: type(x)
[25]: pandas.core.frame.DataFrame
[26]: y = df['Survived']
      y.head()
[26]: 0
           1
      1
      2
           1
      3
           1
      Name: Survived, dtype: int64
[27]: x.head()
[27]:
         PassengerId Pclass
                                                                             Name \
                                                         Braund, Mr. Owen Harris
                   2
      1
                              Cumings, Mrs. John Bradley (Florence Briggs Th...
      2
                   3
                           3
                                                          Heikkinen, Miss. Laina
      3
                   4
                           1
                                    Futrelle, Mrs. Jacques Heath (Lily May Peel)
```

S

0

0

A/5 21171

```
SibSp
            Sex
                  Age
                               Parch
                                                Ticket
                                                            Fare
                                                                    Cabin Embarked
           male 22.0
      0
                            1
                                             A/5 21171
                                                          7.2500
                                                                  B96 B98
        female 38.0
                            1
                                   0
                                              PC 17599
                                                        71.2833
                                                                      C85
                                                                                  C
      1
        female 26.0
                                   0
                                                                                  S
                            0
                                      STON/02. 3101282
                                                          7.9250
                                                                  B96 B98
      3 female 35.0
                                   0
                                                                     C123
                                                                                  S
                            1
                                                113803 53.1000
                                                                                  S
      4
           male 35.0
                            0
                                   0
                                                373450
                                                          8.0500
                                                                  B96 B98
         Performing Encoding
[28]: from sklearn.preprocessing import LabelEncoder
      le=LabelEncoder()
[29]: x["Embarked"]=le.fit_transform(x["Embarked"])
      x["Sex"]=le.fit_transform(x["Sex"])
      x["Ticket"]=le.fit_transform(x["Ticket"])
      x["Cabin"] = le.fit transform(x["Cabin"])
      x["Name"] = le.fit_transform(x["Name"])
[30]: x.head()
[30]:
         PassengerId Pclass
                              Name
                                     Sex
                                                SibSp
                                                       Parch
                                                               Ticket
                                                                                 Cabin \
                                           Age
                                                                          Fare
      0
                   1
                                108
                                          22.0
                                                     1
                                                            0
                                                                  523
                                                                        7.2500
                                                                                    47
                   2
      1
                            1
                                          38.0
                                                     1
                                                            0
                                190
                                                                  596
                                                                       71.2833
                                                                                    81
                   3
                            3
                                353
                                          26.0
                                                     0
                                                            0
                                                                  669
                                                                        7.9250
                                                                                    47
      3
                   4
                                272
                                          35.0
                                                     1
                                                            0
                                                                   49
                                                                       53.1000
                            1
                                       0
                                                                                    55
                                       1 35.0
                                                                        8.0500
                   5
                            3
                                 15
                                                     0
                                                            0
                                                                  472
                                                                                    47
         Embarked
      0
      1
                0
      2
                2
      3
                2
                2
[31]: print(le.classes_)
     ['Abbing, Mr. Anthony' 'Abbott, Mr. Rossmore Edward'
      'Abbott, Mrs. Stanton (Rosa Hunt)' 'Abelson, Mr. Samuel'
      'Abelson, Mrs. Samuel (Hannah Wizosky)' 'Adahl, Mr. Mauritz Nils Martin'
      'Adams, Mr. John' 'Ahlin, Mrs. Johan (Johanna Persdotter Larsson)'
      'Aks, Mrs. Sam (Leah Rosen)' 'Albimona, Mr. Nassef Cassem'
      'Alexander, Mr. William' 'Alhomaki, Mr. Ilmari Rudolf' 'Ali, Mr. Ahmed'
      'Ali, Mr. William' 'Allen, Miss. Elisabeth Walton'
      'Allen, Mr. William Henry' 'Allison, Master. Hudson Trevor'
      'Allison, Miss. Helen Loraine'
```

Allen, Mr. William Henry

5

3

4

```
'Allison, Mrs. Hudson J C (Bessie Waldo Daniels)'
'Allum, Mr. Owen George'
'Andersen-Jensen, Miss. Carla Christine Nielsine' 'Anderson, Mr. Harry'
'Andersson, Master. Sigvard Harald Elias'
```

'Andersson, Miss. Ebba Iris Alfrida' 'Andersson, Miss. Ellis Anna Maria' 'Andersson, Miss. Erna Alexandra' 'Andersson, Miss. Ingeborg Constanzia'

'Andersson, Miss. Sigrid Elisabeth' 'Andersson, Mr. Anders Johan'

'Andersson, Mr. August Edvard ("Wennerstrom")'

'Andersson, Mrs. Anders Johan (Alfrida Konstantia Brogren)'

'Andreasson, Mr. Paul Edvin' 'Andrew, Mr. Edgardo Samuel'

'Andrews, Miss. Kornelia Theodosia' 'Andrews, Mr. Thomas Jr'

'Angle, Mrs. William A (Florence "Mary" Agnes Hughes)'

'Appleton, Mrs. Edward Dale (Charlotte Lamson)'

'Arnold-Franchi, Mr. Josef'

'Arnold-Franchi, Mrs. Josef (Josefine Franchi)' 'Artagaveytia, Mr. Ramon'

'Asim, Mr. Adola' 'Asplund, Master. Clarence Gustaf Hugo'

'Asplund, Master. Edvin Rojj Felix' 'Asplund, Miss. Lillian Gertrud'

'Asplund, Mrs. Carl Oscar (Selma Augusta Emilia Johansson)'

'Astor, Mrs. John Jacob (Madeleine Talmadge Force)'

'Attalah, Miss. Malake' 'Attalah, Mr. Sleiman'

'Aubart, Mme. Leontine Pauline' 'Augustsson, Mr. Albert'

'Ayoub, Miss. Banoura' 'Backstrom, Mr. Karl Alfred'

'Backstrom, Mrs. Karl Alfred (Maria Mathilda Gustafsson)'

'Baclini, Miss. Eugenie' 'Baclini, Miss. Helene Barbara'

'Baclini, Miss. Marie Catherine' 'Baclini, Mrs. Solomon (Latifa Qurban)'

'Badt, Mr. Mohamed' 'Bailey, Mr. Percy Andrew' 'Balkic, Mr. Cerin'

'Ball, Mrs. (Ada E Hall)' 'Banfield, Mr. Frederick James'

'Barah, Mr. Hanna Assi' 'Barbara, Miss. Saiide'

'Barbara, Mrs. (Catherine David)' 'Barber, Miss. Ellen "Nellie"'

'Barkworth, Mr. Algernon Henry Wilson' 'Barton, Mr. David John'

'Bateman, Rev. Robert James' 'Baumann, Mr. John D'

'Baxter, Mr. Quigg Edmond'

'Baxter, Mrs. James (Helene DeLaudeniere Chaput)' 'Bazzani, Miss. Albina'

'Beane, Mr. Edward' 'Beane, Mrs. Edward (Ethel Clarke)'

'Beavan, Mr. William Thomas' 'Becker, Master. Richard F'

'Becker, Miss. Marion Louise' 'Beckwith, Mr. Richard Leonard'

'Beckwith, Mrs. Richard Leonard (Sallie Monypeny)'

'Beesley, Mr. Lawrence' 'Behr, Mr. Karl Howell'

'Bengtsson, Mr. John Viktor' 'Berglund, Mr. Karl Ivar Sven'

'Berriman, Mr. William John' 'Betros, Mr. Tannous'

'Bidois, Miss. Rosalie' 'Bing, Mr. Lee'

'Birkeland, Mr. Hans Martin Monsen' 'Bishop, Mr. Dickinson H'

'Bishop, Mrs. Dickinson H (Helen Walton)' 'Bissette, Miss. Amelia'

'Bjornstrom-Steffansson, Mr. Mauritz Hakan'

'Blackwell, Mr. Stephen Weart' 'Blank, Mr. Henry'

'Bonnell, Miss. Elizabeth' 'Bostandyeff, Mr. Guentcho'

'Boulos, Miss. Nourelain' 'Boulos, Mr. Hanna'

'Boulos, Mrs. Joseph (Sultana)' 'Bourke, Miss. Mary' 'Bourke, Mr. John'

```
'Bourke, Mrs. John (Catherine)' 'Bowen, Mr. David John "Dai"'
'Bowerman, Miss. Elsie Edith' 'Bracken, Mr. James H'
'Bradley, Mr. George ("George Arthur Brayton")'
'Braund, Mr. Lewis Richard' 'Braund, Mr. Owen Harris'
'Brewe, Dr. Arthur Jackson' 'Brocklebank, Mr. William Alfred'
'Brown, Miss. Amelia "Mildred"' 'Brown, Mr. Thomas William Solomon'
'Brown, Mrs. James Joseph (Margaret Tobin)'
'Brown, Mrs. Thomas William Solomon (Elizabeth Catherine Ford)'
'Bryhl, Mr. Kurt Arnold Gottfrid' 'Burke, Mr. Jeremiah'
'Burns, Miss. Elizabeth Margaret' 'Buss, Miss. Kate'
'Butler, Mr. Reginald Fenton' 'Butt, Major. Archibald Willingham'
'Byles, Rev. Thomas Roussel Davids' 'Bystrom, Mrs. (Karolina)'
'Cacic, Miss. Marija' 'Cacic, Mr. Luka' 'Cairns, Mr. Alexander'
'Calderhead, Mr. Edward Pennington' 'Caldwell, Master. Alden Gates'
'Caldwell, Mrs. Albert Francis (Sylvia Mae Harbaugh)' 'Calic, Mr. Jovo'
'Calic, Mr. Petar' 'Cameron, Miss. Clear Annie' 'Campbell, Mr. William'
'Canavan, Miss. Mary' 'Cann, Mr. Ernest Charles'
'Caram, Mrs. Joseph (Maria Elias)' 'Carbines, Mr. William'
'Cardeza, Mr. Thomas Drake Martinez' 'Carlsson, Mr. August Sigfrid'
'Carlsson, Mr. Frans Olof' 'Carr, Miss. Helen "Ellen"'
'Carrau, Mr. Francisco M' 'Carter, Master. William Thornton II'
'Carter, Miss. Lucile Polk' 'Carter, Mr. William Ernest'
'Carter, Mrs. Ernest Courtenay (Lilian Hughes)'
'Carter, Mrs. William Ernest (Lucile Polk)'
'Carter, Rev. Ernest Courtenay' 'Cavendish, Mr. Tyrell William'
'Celotti, Mr. Francesco' 'Chaffee, Mr. Herbert Fuller'
'Chambers, Mr. Norman Campbell'
'Chambers, Mrs. Norman Campbell (Bertha Griggs)'
'Chapman, Mr. Charles Henry' 'Chapman, Mr. John Henry'
'Charters, Mr. David' 'Cherry, Miss. Gladys'
'Chibnall, Mrs. (Edith Martha Bowerman)' 'Chip, Mr. Chang'
'Christmann, Mr. Emil' 'Christy, Miss. Julie Rachel'
'Chronopoulos, Mr. Apostolos'
'Clarke, Mrs. Charles V (Ada Maria Winfield)' 'Cleaver, Miss. Alice'
'Clifford, Mr. George Quincy' 'Coelho, Mr. Domingos Fernandeo'
'Cohen, Mr. Gurshon "Gus"' 'Coleff, Mr. Peju' 'Coleff, Mr. Satio'
'Coleridge, Mr. Reginald Charles' 'Collander, Mr. Erik Gustaf'
'Colley, Mr. Edward Pomeroy' 'Collyer, Miss. Marjorie "Lottie"'
'Collyer, Mr. Harvey' 'Collyer, Mrs. Harvey (Charlotte Annie Tate)'
'Compton, Miss. Sara Rebecca' 'Connaghton, Mr. Michael'
'Connolly, Miss. Kate' 'Connors, Mr. Patrick' 'Cook, Mr. Jacob'
'Cor, Mr. Liudevit' 'Corn, Mr. Harry'
'Coutts, Master. Eden Leslie "Neville"'
'Coutts, Master. William Loch "William" 'Coxon, Mr. Daniel'
'Crease, Mr. Ernest James' 'Cribb, Mr. John Hatfield'
'Crosby, Capt. Edward Gifford' 'Crosby, Miss. Harriet R'
'Culumovic, Mr. Jeso'
'Cumings, Mrs. John Bradley (Florence Briggs Thayer)'
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'Cunningham, Mr. Alfred Fleming' 'Dahl, Mr. Karl Edwart'
'Dahlberg, Miss. Gerda Ulrika' 'Dakic, Mr. Branko'
'Daly, Mr. Eugene Patrick' 'Daly, Mr. Peter Denis '
'Danbom, Mr. Ernst Gilbert'
'Danbom, Mrs. Ernst Gilbert (Anna Sigrid Maria Brogren)'
'Daniel, Mr. Robert Williams' 'Danoff, Mr. Yoto' 'Dantcheff, Mr. Ristiu'
'Davidson, Mr. Thornton' 'Davies, Master. John Morgan Jr'
'Davies, Mr. Alfred J' 'Davies, Mr. Charles Henry' 'Davis, Miss. Mary'
'Davison, Mrs. Thomas Henry (Mary E Finck)' 'Dean, Master. Bertram Vere'
'Dean, Mr. Bertram Frank' 'Denkoff, Mr. Mitto' 'Dennis, Mr. Samuel'
'Devaney, Miss. Margaret Delia' 'Dick, Mr. Albert Adrian'
'Dick, Mrs. Albert Adrian (Vera Gillespie)' 'Dimic, Mr. Jovan'
'Dodge, Master. Washington' 'Doharr, Mr. Tannous' 'Doling, Miss. Elsie'
'Doling, Mrs. John T (Ada Julia Bone)' 'Dooley, Mr. Patrick'
'Dorking, Mr. Edward Arthur' 'Douglas, Mr. Walter Donald'
'Dowdell, Miss. Elizabeth' 'Downton, Mr. William James'
'Drazenoic, Mr. Jozef' 'Drew, Mrs. James Vivian (Lulu Thorne Christian)'
'Duane, Mr. Frank'
'Duff Gordon, Lady. (Lucille Christiana Sutherland) ("Mrs Morgan")'
'Duff Gordon, Sir. Cosmo Edmund ("Mr Morgan")'
'Duran y More, Miss. Asuncion' 'Edvardsson, Mr. Gustaf Hjalmar'
'Eitemiller, Mr. George Floyd' 'Eklund, Mr. Hans Linus'
'Ekstrom, Mr. Johan' 'Elias, Mr. Dibo' 'Elias, Mr. Joseph Jr'
'Elias, Mr. Tannous' 'Elsbury, Mr. William James'
'Emanuel, Miss. Virginia Ethel' 'Emir, Mr. Farred Chehab'
'Endres, Miss. Caroline Louise' 'Eustis, Miss. Elizabeth Mussey'
'Fahlstrom, Mr. Arne Jonas' 'Farrell, Mr. James' 'Farthing, Mr. John'
'Faunthorpe, Mrs. Lizzie (Elizabeth Anne Wilkinson)'
'Fischer, Mr. Eberhard Thelander' 'Fleming, Miss. Margaret'
'Flynn, Mr. James' 'Flynn, Mr. John' 'Flynn, Mr. John Irwin ("Irving")'
'Foo, Mr. Choong' 'Ford, Miss. Doolina Margaret "Daisy"'
'Ford, Miss. Robina Maggie "Ruby"' 'Ford, Mr. William Neal'
'Ford, Mrs. Edward (Margaret Ann Watson)'
'Foreman, Mr. Benjamin Laventall' 'Fortune, Miss. Alice Elizabeth'
'Fortune, Miss. Mabel Helen' 'Fortune, Mr. Charles Alexander'
'Fortune, Mr. Mark' 'Fox, Mr. Stanley Hubert'
'Francatelli, Miss. Laura Mabel' 'Frauenthal, Dr. Henry William'
'Frauenthal, Mrs. Henry William (Clara Heinsheimer)'
'Frolicher, Miss. Hedwig Margaritha' 'Frolicher-Stehli, Mr. Maxmillian'
'Frost, Mr. Anthony Wood "Archie"' 'Fry, Mr. Richard'
'Funk, Miss. Annie Clemmer' 'Futrelle, Mr. Jacques Heath'
'Futrelle, Mrs. Jacques Heath (Lily May Peel)' 'Fynney, Mr. Joseph J'
'Gale, Mr. Shadrach' 'Gallagher, Mr. Martin' 'Garfirth, Mr. John'
'Garside, Miss. Ethel' 'Gaskell, Mr. Alfred' 'Gavey, Mr. Lawrence'
'Gee, Mr. Arthur H' 'Gheorgheff, Mr. Stanio' 'Giglio, Mr. Victor'
'Giles, Mr. Frederick Edward' 'Gilinski, Mr. Eliezer'
'Gill, Mr. John William' 'Gillespie, Mr. William Henry'
'Gilnagh, Miss. Katherine "Katie"' 'Givard, Mr. Hans Kristensen'
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'Glynn, Miss. Mary Agatha' 'Goldenberg, Mr. Samuel L'
'Goldenberg, Mrs. Samuel L (Edwiga Grabowska)'
'Goldschmidt, Mr. George B'
'Goldsmith, Master. Frank John William "Frankie"'
'Goldsmith, Mr. Frank John'
'Goldsmith, Mrs. Frank John (Emily Alice Brown)'
'Goncalves, Mr. Manuel Estanslas' 'Goodwin, Master. Harold Victor'
'Goodwin, Master. Sidney Leonard' 'Goodwin, Master. William Frederick'
'Goodwin, Miss. Lillian Amy' 'Goodwin, Mr. Charles Edward'
'Goodwin, Mrs. Frederick (Augusta Tyler)' 'Graham, Miss. Margaret Edith'
'Graham, Mr. George Edward'
'Graham, Mrs. William Thompson (Edith Junkins)' 'Green, Mr. George Henry'
'Greenberg, Mr. Samuel' 'Greenfield, Mr. William Bertram'
'Gronnestad, Mr. Daniel Danielsen' 'Guggenheim, Mr. Benjamin'
'Gustafsson, Mr. Alfred Ossian' 'Gustafsson, Mr. Anders Vilhelm'
'Gustafsson, Mr. Johan Birger' 'Gustafsson, Mr. Karl Gideon'
'Haas, Miss. Aloisia' 'Hagland, Mr. Ingvald Olai Olsen'
'Hagland, Mr. Konrad Mathias Reiersen' 'Hakkarainen, Mr. Pekka Pietari'
'Hakkarainen, Mrs. Pekka Pietari (Elin Matilda Dolck)'
'Hale, Mr. Reginald' 'Hamalainen, Master. Viljo'
'Hamalainen, Mrs. William (Anna)' 'Hampe, Mr. Leon' 'Hanna, Mr. Mansour'
'Hansen, Mr. Claus Peter' 'Hansen, Mr. Henrik Juul'
'Hansen, Mr. Henry Damsgaard' 'Harder, Mr. George Achilles'
'Harknett, Miss. Alice Phoebe' 'Harmer, Mr. Abraham (David Lishin)'
'Harper, Miss. Annie Jessie "Nina"' 'Harper, Mr. Henry Sleeper'
'Harper, Mrs. Henry Sleeper (Myna Haxtun)' 'Harper, Rev. John'
'Harrington, Mr. Charles H' 'Harris, Mr. George'
'Harris, Mr. Henry Birkhardt' 'Harris, Mr. Walter'
'Harris, Mrs. Henry Birkhardt (Irene Wallach)' 'Harrison, Mr. William'
'Hart, Miss. Eva Miriam' 'Hart, Mr. Benjamin' 'Hart, Mr. Henry'
'Hart, Mrs. Benjamin (Esther Ada Bloomfield)' 'Hassab, Mr. Hammad'
'Hassan, Mr. Houssein G N' 'Hawksford, Mr. Walter James'
'Hays, Miss. Margaret Bechstein'
'Hays, Mrs. Charles Melville (Clara Jennings Gregg)'
'Healy, Miss. Hanora "Nora"' 'Hedman, Mr. Oskar Arvid'
'Hegarty, Miss. Hanora "Nora"' 'Heikkinen, Miss. Laina'
'Heininen, Miss. Wendla Maria' 'Hendekovic, Mr. Ignjac'
'Henry, Miss. Delia' 'Herman, Miss. Alice'
'Herman, Mrs. Samuel (Jane Laver)' 'Hewlett, Mrs. (Mary D Kingcome) '
'Hickman, Mr. Leonard Mark' 'Hickman, Mr. Lewis'
'Hickman, Mr. Stanley George' 'Hippach, Miss. Jean Gertrude'
'Hippach, Mrs. Louis Albert (Ida Sophia Fischer)'
'Hirvonen, Miss. Hildur E' 'Hocking, Mr. Richard George'
'Hocking, Mrs. Elizabeth (Eliza Needs)' 'Hodges, Mr. Henry Price'
'Hogeboom, Mrs. John C (Anna Andrews)' 'Hold, Mr. Stephen'
'Holm, Mr. John Fredrik Alexander' 'Holverson, Mr. Alexander Oskar'
'Holverson, Mrs. Alexander Oskar (Mary Aline Towner)'
'Homer, Mr. Harry ("Mr E Haven")' 'Honkanen, Miss. Eliina'
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'Hood, Mr. Ambrose Jr' 'Horgan, Mr. John' 'Hosono, Mr. Masabumi'
'Hoyt, Mr. Frederick Maxfield' 'Hoyt, Mr. William Fisher'
'Hoyt, Mrs. Frederick Maxfield (Jane Anne Forby)'
'Humblen, Mr. Adolf Mathias Nicolai Olsen' 'Hunt, Mr. George Henry'
'Ibrahim Shawah, Mr. Yousseff' 'Icard, Miss. Amelie'
'Ilett, Miss. Bertha' 'Ilmakangas, Miss. Pieta Sofia'
'Isham, Miss. Ann Elizabeth' 'Ivanoff, Mr. Kanio'
'Jacobsohn, Mr. Sidney Samuel'
'Jacobsohn, Mrs. Sidney Samuel (Amy Frances Christy)'
'Jalsevac, Mr. Ivan' 'Jansson, Mr. Carl Olof' 'Jardin, Mr. Jose Neto'
'Jarvis, Mr. John Denzil' 'Jenkin, Mr. Stephen Curnow'
'Jensen, Mr. Hans Peder' 'Jensen, Mr. Niels Peder'
'Jensen, Mr. Svend Lauritz' 'Jermyn, Miss. Annie'
'Jerwan, Mrs. Amin S (Marie Marthe Thuillard)'
'Johannesen-Bratthammer, Mr. Bernt' 'Johanson, Mr. Jakob Alfred'
'Johansson, Mr. Erik' 'Johansson, Mr. Gustaf Joel'
'Johansson, Mr. Karl Johan' 'Johnson, Master. Harold Theodor'
'Johnson, Miss. Eleanor Ileen' 'Johnson, Mr. Alfred'
'Johnson, Mr. Malkolm Joackim' 'Johnson, Mr. William Cahoone Jr'
'Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)'
'Johnston, Miss. Catherine Helen "Carrie" 'Johnston, Mr. Andrew G'
'Jonkoff, Mr. Lalio' 'Jonsson, Mr. Carl' 'Jussila, Miss. Katriina'
'Jussila, Miss. Mari Aina' 'Jussila, Mr. Eiriik'
'Kallio, Mr. Nikolai Erland' 'Kalvik, Mr. Johannes Halvorsen'
'Kantor, Mr. Sinai' 'Kantor, Mrs. Sinai (Miriam Sternin)'
'Karaic, Mr. Milan' 'Karlsson, Mr. Nils August' 'Karun, Miss. Manca'
'Kassem, Mr. Fared' 'Keane, Miss. Nora A' 'Keane, Mr. Andrew "Andy"'
'Keefe, Mr. Arthur' 'Kelly, Miss. Anna Katherine "Annie Kate"'
'Kelly, Miss. Mary' 'Kelly, Mr. James' 'Kelly, Mrs. Florence "Fannie"'
'Kent, Mr. Edward Austin' 'Kenyon, Mrs. Frederick R (Marion)'
'Kiernan, Mr. Philip' 'Kilgannon, Mr. Thomas J'
'Kimball, Mr. Edwin Nelson Jr' 'Kink, Mr. Vincenz'
'Kink-Heilmann, Miss. Luise Gretchen' 'Kirkland, Rev. Charles Leonard'
'Klaber, Mr. Herman' 'Klasen, Mr. Klas Albin' 'Knight, Mr. Robert J'
'Kraeff, Mr. Theodor' 'Kvillner, Mr. Johan Henrik Johannesson'
'Lahoud, Mr. Sarkis' 'Lahtinen, Mrs. William (Anna Sylfven)'
'Laitinen, Miss. Kristina Sofia' 'Laleff, Mr. Kristo' 'Lam, Mr. Ali'
'Lam, Mr. Len' 'Landergren, Miss. Aurora Adelia' 'Lang, Mr. Fang'
'Laroche, Miss. Simonne Marie Anne Andree'
'Laroche, Mr. Joseph Philippe Lemercier'
'Laroche, Mrs. Joseph (Juliette Marie Louise Lafargue)'
'Larsson, Mr. August Viktor' 'Larsson, Mr. Bengt Edvin'
'LeRoy, Miss. Bertha' 'Leader, Dr. Alice (Farnham)'
'Leeni, Mr. Fahim ("Philip Zenni")' 'Lefebre, Master. Henry Forbes'
'Lefebre, Miss. Ida' 'Lefebre, Miss. Jeannie' 'Lefebre, Miss. Mathilde'
'Lehmann, Miss. Bertha' 'Leinonen, Mr. Antti Gustaf'
'Leitch, Miss. Jessie Wills' 'Lemberopolous, Mr. Peter L'
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'Lemore, Mrs. (Amelia Milley)' 'Lennon, Mr. Denis' 'Leonard, Mr. Lionel'

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'Lester, Mr. James' 'Lesurer, Mr. Gustave J' 'Levy, Mr. Rene Jacques'
'Lewy, Mr. Ervin G' 'Leyson, Mr. Robert William Norman'
'Lievens, Mr. Rene Aime' 'Lindahl, Miss. Agda Thorilda Viktoria'
'Lindblom, Miss. Augusta Charlotta' 'Lindell, Mr. Edvard Bengtsson'
'Lindqvist, Mr. Eino William' 'Lines, Miss. Mary Conover' 'Ling, Mr. Lee'
'Lobb, Mr. William Arthur'
'Lobb, Mrs. William Arthur (Cordelia K Stanlick)'
'Long, Mr. Milton Clyde' 'Longley, Miss. Gretchen Fiske'
'Louch, Mrs. Charles Alexander (Alice Adelaide Slow)'
'Lovell, Mr. John Hall ("Henry")' 'Lulic, Mr. Nikola'
'Lundahl, Mr. Johan Svensson' 'Lurette, Miss. Elise' 'Mack, Mrs. (Mary)'
'Madigan, Miss. Margaret "Maggie"' 'Madill, Miss. Georgette Alexandra'
'Madsen, Mr. Fridtjof Arne' 'Maenpaa, Mr. Matti Alexanteri'
'Maioni, Miss. Roberta' 'Maisner, Mr. Simon' 'Mallet, Master. Andre'
'Mallet, Mr. Albert' 'Mamee, Mr. Hanna' 'Mangan, Miss. Mary'
'Mannion, Miss. Margareth' 'Marechal, Mr. Pierre' 'Markoff, Mr. Marin'
'Markun, Mr. Johann' 'Marvin, Mr. Daniel Warner'
'Masselmani, Mrs. Fatima' 'Matthews, Mr. William John'
'Mayne, Mlle. Berthe Antonine ("Mrs de Villiers")'
'McCarthy, Mr. Timothy J' 'McCormack, Mr. Thomas Joseph'
'McCoy, Miss. Agnes' 'McCoy, Mr. Bernard'
'McDermott, Miss. Brigdet Delia' 'McEvoy, Mr. Michael'
'McGough, Mr. James Robert' 'McGovern, Miss. Mary'
'McGowan, Miss. Anna "Annie"' 'McKane, Mr. Peter David'
'McMahon, Mr. Martin' 'McNamee, Mr. Neal'
'Meanwell, Miss. (Marion Ogden)'
'Meek, Mrs. Thomas (Annie Louise Rowley)'
'Mellinger, Miss. Madeleine Violet'
'Mellinger, Mrs. (Elizabeth Anne Maidment)' 'Mellors, Mr. William John'
'Meo, Mr. Alfonzo' 'Mernagh, Mr. Robert' 'Meyer, Mr. August'
'Meyer, Mr. Edgar Joseph' 'Meyer, Mrs. Edgar Joseph (Leila Saks)'
'Millet, Mr. Francis Davis' 'Milling, Mr. Jacob Christian'
'Minahan, Dr. William Edward' 'Minahan, Miss. Daisy E' 'Mineff, Mr. Ivan'
'Mionoff, Mr. Stoytcho' 'Mitchell, Mr. Henry Michael' 'Mitkoff, Mr. Mito'
'Mockler, Miss. Helen Mary "Ellie" 'Moen, Mr. Sigurd Hansen'
'Molson, Mr. Harry Markland' 'Montvila, Rev. Juozas'
'Moor, Master. Meier' 'Moor, Mrs. (Beila)' 'Moore, Mr. Leonard Charles'
'Moran, Miss. Bertha' 'Moran, Mr. Daniel J' 'Moran, Mr. James'
'Moraweck, Dr. Ernest' 'Morley, Mr. Henry Samuel ("Mr Henry Marshall")'
'Morley, Mr. William' 'Morrow, Mr. Thomas Rowan' 'Moss, Mr. Albert Johan'
'Moubarek, Master. Gerios'
'Moubarek, Master. Halim Gonios ("William George")'
'Moussa, Mrs. (Mantoura Boulos)' 'Moutal, Mr. Rahamin Haim'
'Mudd, Mr. Thomas Charles' 'Mullens, Miss. Katherine "Katie"'
'Murdlin, Mr. Joseph' 'Murphy, Miss. Katherine "Kate"'
'Murphy, Miss. Margaret Jane' 'Myhrman, Mr. Pehr Fabian Oliver Malkolm'
'Naidenoff, Mr. Penko' 'Najib, Miss. Adele Kiamie "Jane"'
'Nakid, Miss. Maria ("Mary")' 'Nakid, Mr. Sahid' 'Nankoff, Mr. Minko'
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'Nasser, Mr. Nicholas' 'Nasser, Mrs. Nicholas (Adele Achem)'
 'Natsch, Mr. Charles H' 'Navratil, Master. Edmond Roger'
 'Navratil, Master. Michel M' 'Navratil, Mr. Michel ("Louis M Hoffman")'
 'Nenkoff, Mr. Christo' 'Newell, Miss. Madeleine' 'Newell, Miss. Marjorie'
 'Newell, Mr. Arthur Webster' 'Newsom, Miss. Helen Monypeny'
 'Nicholls, Mr. Joseph Charles' 'Nicholson, Mr. Arthur Ernest'
 'Nicola-Yarred, Master. Elias' 'Nicola-Yarred, Miss. Jamila'
 'Nilsson, Miss. Helmina Josefina' 'Nirva, Mr. Iisakki Antino Aijo'
 'Niskanen, Mr. Juha' 'Norman, Mr. Robert Douglas'
 'Nosworthy, Mr. Richard Cater' 'Novel, Mr. Mansouer'
 'Nye, Mrs. (Elizabeth Ramell)' 'Nysten, Miss. Anna Sofia'
 'Nysveen, Mr. Johan Hansen' "O'Brien, Mr. Thomas" "O'Brien, Mr. Timothy"
 'O\'Brien, Mrs. Thomas (Johanna "Hannah" Godfrey)'
 "O'Connell, Mr. Patrick D" "O'Connor, Mr. Maurice"
 "O'Driscoll, Miss. Bridget" 'O\'Dwyer, Miss. Ellen "Nellie"'
 'O\'Leary, Miss. Hanora "Norah"' "O'Sullivan, Miss. Bridget Mary"
 'Odahl, Mr. Nils Martin' 'Ohman, Miss. Velin' 'Olsen, Mr. Henry Margido'
 'Olsen, Mr. Karl Siegwart Andreas' 'Olsen, Mr. Ole Martin'
 'Olsson, Miss. Elina' 'Olsson, Mr. Nils Johan Goransson'
 'Olsvigen, Mr. Thor Anderson' 'Oreskovic, Miss. Marija'
 'Oreskovic, Mr. Luka' 'Osen, Mr. Olaf Elon' 'Osman, Mrs. Mara'
 'Ostby, Mr. Engelhart Cornelius' 'Otter, Mr. Richard'
 'Padro y Manent, Mr. Julian' 'Pain, Dr. Alfred'
 'Palsson, Master. Gosta Leonard' 'Palsson, Miss. Stina Viola'
 'Palsson, Miss. Torborg Danira'
 'Palsson, Mrs. Nils (Alma Cornelia Berglund)'
 'Panula, Master. Eino Viljami' 'Panula, Master. Juha Niilo'
 'Panula, Master. Urho Abraham' 'Panula, Mr. Ernesti Arvid'
 'Panula, Mr. Jaako Arnold' 'Panula, Mrs. Juha (Maria Emilia Ojala)'
 'Parkes, Mr. Francis "Frank"' 'Parr, Mr. William Henry Marsh'
 'Parrish, Mrs. (Lutie Davis)' 'Partner, Mr. Austen' 'Pasic, Mr. Jakob'
 'Patchett, Mr. George' 'Paulner, Mr. Uscher' 'Pavlovic, Mr. Stefo'
 'Pears, Mr. Thomas Clinton' 'Pears, Mrs. Thomas (Edith Wearne)'
 'Peduzzi, Mr. Joseph' 'Pekoniemi, Mr. Edvard'
 'Penasco y Castellana, Mr. Victor de Satode'
 'Penasco y Castellana, Mrs. Victor de Satode (Maria Josefa Perez de Soto y
Vallejo)'
 'Pengelly, Mr. Frederick William' 'Perkin, Mr. John Henry'
 'Pernot, Mr. Rene' 'Perreault, Miss. Anne' 'Persson, Mr. Ernst Ulrik'
 'Peter, Miss. Anna' 'Peter, Mrs. Catherine (Catherine Rizk)'
 'Peters, Miss. Katie' 'Petranec, Miss. Matilda' 'Petroff, Mr. Nedelio'
 'Petroff, Mr. Pastcho ("Pentcho")' 'Petterson, Mr. Johan Emil'
 'Pettersson, Miss. Ellen Natalia' 'Peuchen, Major. Arthur Godfrey'
 'Phillips, Miss. Kate Florence ("Mrs Kate Louise Phillips Marshall")'
 'Pickard, Mr. Berk (Berk Trembisky)' 'Pinsky, Mrs. (Rosa)'
 'Plotcharsky, Mr. Vasil' 'Ponesell, Mr. Martin'
 'Porter, Mr. Walter Chamberlain'
 'Potter, Mrs. Thomas Jr (Lily Alexenia Wilson)'
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'Quick, Miss. Phyllis May'
'Quick, Mrs. Frederick Charles (Jane Richards)' 'Radeff, Mr. Alexander'
'Razi, Mr. Raihed' 'Reed, Mr. James George' 'Reeves, Mr. David'
'Rekic, Mr. Tido' 'Renouf, Mr. Peter Henry'
'Renouf, Mrs. Peter Henry (Lillian Jefferys)'
'Reuchlin, Jonkheer. John George' 'Reynaldo, Ms. Encarnacion'
'Rice, Master. Arthur' 'Rice, Master. Eric' 'Rice, Master. Eugene'
'Rice, Master. George Hugh' 'Rice, Mrs. William (Margaret Norton)'
'Richard, Mr. Emile' 'Richards, Master. George Sibley'
'Richards, Master. William Rowe' 'Richards, Mrs. Sidney (Emily Hocking)'
'Ridsdale, Miss. Lucy' 'Ringhini, Mr. Sante' 'Rintamaki, Mr. Matti'
'Risien, Mr. Samuel Beard' 'Robbins, Mr. Victor'
'Robert, Mrs. Edward Scott (Elisabeth Walton McMillan)'
'Robins, Mrs. Alexander A (Grace Charity Laury)'
'Roebling, Mr. Washington Augustus II' 'Rogers, Mr. William John'
'Romaine, Mr. Charles Hallace ("Mr C Rolmane")'
'Rommetvedt, Mr. Knud Paust' 'Rood, Mr. Hugh Roscoe'
'Rosblom, Mr. Viktor Richard' 'Rosblom, Mrs. Viktor (Helena Wilhelmina)'
'Ross, Mr. John Hugo'
'Rothes, the Countess. of (Lucy Noel Martha Dyer-Edwards)'
'Rothschild, Mrs. Martin (Elizabeth L. Barrett)'
'Rouse, Mr. Richard Henry' 'Rugg, Miss. Emily'
'Rush, Mr. Alfred George John' 'Ryan, Mr. Patrick'
'Ryerson, Miss. Emily Borie' 'Ryerson, Miss. Susan Parker "Suzette"'
'Saad, Mr. Amin' 'Saad, Mr. Khalil' 'Saalfeld, Mr. Adolphe'
'Sadlier, Mr. Matthew' 'Sage, Master. Thomas Henry'
'Sage, Miss. Constance Gladys' 'Sage, Miss. Dorothy Edith "Dolly"'
'Sage, Miss. Stella Anna' 'Sage, Mr. Douglas Bullen'
'Sage, Mr. Frederick' 'Sage, Mr. George John Jr' 'Sagesser, Mlle. Emma'
'Salkjelsvik, Miss. Anna Kristine' 'Salonen, Mr. Johan Werner'
'Samaan, Mr. Youssef' 'Sandstrom, Miss. Marguerite Rut'
'Sandstrom, Mrs. Hjalmar (Agnes Charlotta Bengtsson)'
'Saundercock, Mr. William Henry' 'Sawyer, Mr. Frederick Charles'
'Scanlan, Mr. James' 'Sdycoff, Mr. Todor'
'Sedgwick, Mr. Charles Frederick Waddington' 'Serepeca, Miss. Augusta'
'Seward, Mr. Frederic Kimber' 'Sharp, Mr. Percival James R'
'Sheerlinck, Mr. Jan Baptist' 'Shellard, Mr. Frederick William'
'Shelley, Mrs. William (Imanita Parrish Hall)'
'Shorney, Mr. Charles Joseph' 'Shutes, Miss. Elizabeth W'
'Silven, Miss. Lyyli Karoliina' 'Silverthorne, Mr. Spencer Victor'
'Silvey, Mr. William Baird' 'Silvey, Mrs. William Baird (Alice Munger)'
'Simmons, Mr. John' 'Simonius-Blumer, Col. Oberst Alfons'
'Sinkkonen, Miss. Anna' 'Sirayanian, Mr. Orsen' 'Sirota, Mr. Maurice'
'Sivic, Mr. Husein' 'Sivola, Mr. Antti Wilhelm'
'Sjoblom, Miss. Anna Sofia' 'Sjostedt, Mr. Ernst Adolf'
'Skoog, Master. Harald' 'Skoog, Master. Karl Thorsten'
'Skoog, Miss. Mabel' 'Skoog, Miss. Margit Elizabeth' 'Skoog, Mr. Wilhelm'
'Skoog, Mrs. William (Anna Bernhardina Karlsson)' 'Slabenoff, Mr. Petco'
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'Slayter, Miss. Hilda Mary' 'Slemen, Mr. Richard James'
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- 'Stephenson, Mrs. Walter Bertram (Martha Eustis)' 'Stewart, Mr. Albert A'
- 'Stone, Mrs. George Nelson (Martha Evelyn)' 'Stoytcheff, Mr. Ilia'
- 'Strandberg, Miss. Ida Sofia' 'Stranden, Mr. Juho'
- 'Strom, Miss. Telma Matilda' 'Strom, Mrs. Wilhelm (Elna Matilda Persson)'
- 'Sunderland, Mr. Victor Francis' 'Sundman, Mr. Johan Julian'
- 'Sutehall, Mr. Henry Jr' 'Sutton, Mr. Frederick' 'Svensson, Mr. Johan'
- 'Svensson, Mr. Olof'
- 'Swift, Mrs. Frederick Joel (Margaret Welles Barron)'
- 'Taussig, Miss. Ruth' 'Taussig, Mr. Emil'
- 'Taussig, Mrs. Emil (Tillie Mandelbaum)' 'Taylor, Mr. Elmer Zebley'
- 'Taylor, Mrs. Elmer Zebley (Juliet Cummins Wright)'
- 'Thayer, Mr. John Borland' 'Thayer, Mr. John Borland Jr'
- 'Thayer, Mrs. John Borland (Marian Longstreth Morris)'
- 'Theobald, Mr. Thomas Leonard' 'Thomas, Master. Assad Alexander'
- 'Thorne, Mrs. Gertrude Maybelle' 'Thorneycroft, Mr. Percival'
- 'Thorneycroft, Mrs. Percival (Florence Kate White)' 'Tikkanen, Mr. Juho'
- 'Tobin, Mr. Roger' 'Todoroff, Mr. Lalio' 'Tomlin, Mr. Ernest Portage'
- 'Toomey, Miss. Ellen' 'Torber, Mr. Ernst William'
- 'Tornquist, Mr. William Henry' 'Toufik, Mr. Nakli'
- 'Touma, Mrs. Darwis (Hanne Youssef Razi)' 'Troupiansky, Mr. Moses Aaron'
- 'Trout, Mrs. William H (Jessie L)' 'Troutt, Miss. Edwina Celia "Winnie"'
- 'Turcin, Mr. Stjepan' 'Turja, Miss. Anna Sofia' 'Turkula, Mrs. (Hedwig)'
- 'Turpin, Mr. William John Robert'
- 'Turpin, Mrs. William John Robert (Dorothy Ann Wonnacott)'
- 'Uruchurtu, Don. Manuel E' 'Van Impe, Miss. Catharina'
- 'Van Impe, Mr. Jean Baptiste'
- 'Van Impe, Mrs. Jean Baptiste (Rosalie Paula Govaert)'
- 'Van der hoef, Mr. Wyckoff' 'Vande Velde, Mr. Johannes Joseph'
- 'Vande Walle, Mr. Nestor Cyriel' 'Vanden Steen, Mr. Leo Peter'
- 'Vander Cruyssen, Mr. Victor' 'Vander Planke, Miss. Augusta Maria'
- 'Vander Planke, Mr. Leo Edmondus'
- 'Vander Planke, Mrs. Julius (Emelia Maria Vandemoortele)'
- 'Vestrom, Miss. Hulda Amanda Adolfina' 'Vovk, Mr. Janko'
- 'Waelens, Mr. Achille' 'Walker, Mr. William Anderson' 'Ward, Miss. Anna'
- 'Warren, Mrs. Frank Manley (Anna Sophia Atkinson)'

^{&#}x27;Slocovski, Mr. Selman Francis' 'Sloper, Mr. William Thompson'

^{&#}x27;Smart, Mr. John Montgomery' 'Smiljanic, Mr. Mile'

^{&#}x27;Smith, Miss. Marion Elsie' 'Smith, Mr. James Clinch'

^{&#}x27;Smith, Mr. Richard William' 'Smith, Mr. Thomas'

^{&#}x27;Sobey, Mr. Samuel James Hayden'

^{&#}x27;Soholt, Mr. Peter Andreas Lauritz Andersen'

^{&#}x27;Somerton, Mr. Francis William'

^{&#}x27;Spedden, Mrs. Frederic Oakley (Margaretta Corning Stone)'

^{&#}x27;Spencer, Mrs. William Augustus (Marie Eugenie)'

^{&#}x27;Stahelin-Maeglin, Dr. Max' 'Staneff, Mr. Ivan' 'Stankovic, Mr. Ivan'

^{&#}x27;Stanley, Miss. Amy Zillah Elsie' 'Stanley, Mr. Edward Roland'

^{&#}x27;Stead, Mr. William Thomas'

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'Watt, Mrs. James (Elizabeth "Bessie" Inglis Milne)'
      'Webber, Miss. Susan' 'Webber, Mr. James' 'Weir, Col. John'
      'Weisz, Mrs. Leopold (Mathilde Francoise Pede)' 'Wells, Miss. Joan'
      'West, Miss. Constance Mirium' 'West, Mr. Edwy Arthur'
      'West, Mrs. Edwy Arthur (Ada Mary Worth)' 'Wheadon, Mr. Edward H'
      'White, Mr. Percival Wayland' 'White, Mr. Richard Frasar'
      'Wick, Miss. Mary Natalie' 'Wick, Mrs. George Dennick (Mary Hitchcock)'
      'Widegren, Mr. Carl/Charles Peter' 'Widener, Mr. Harry Elkins'
      'Wiklund, Mr. Jakob Alfred' 'Wilhelms, Mr. Charles' 'Willey, Mr. Edward'
      'Williams, Mr. Charles Duane' 'Williams, Mr. Charles Eugene'
      'Williams, Mr. Howard Hugh "Harry"' 'Williams, Mr. Leslie'
      'Williams-Lambert, Mr. Fletcher Fellows' 'Windelov, Mr. Einar'
      'Wiseman, Mr. Phillippe' 'Woolner, Mr. Hugh' 'Wright, Mr. George'
      'Yasbeck, Mr. Antoni' 'Yasbeck, Mrs. Antoni (Selini Alexander)'
      'Young, Miss. Marie Grice' 'Youseff, Mr. Gerious' 'Yousif, Mr. Wazli'
      'Yousseff, Mr. Gerious' 'Yrois, Miss. Henriette ("Mrs Harbeck")'
      'Zabour, Miss. Hileni' 'Zabour, Miss. Thamine' 'Zimmerman, Mr. Leo'
      'de Messemaeker, Mrs. Guillaume Joseph (Emma)' 'de Mulder, Mr. Theodore'
      'de Pelsmaeker, Mr. Alfons' 'del Carlo, Mr. Sebastiano'
      'van Billiard, Mr. Austin Blyler' 'van Melkebeke, Mr. Philemon']
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       'Abbott, Mr. Rossmore Edward': 1,
       'Abbott, Mrs. Stanton (Rosa Hunt)': 2,
       'Abelson, Mr. Samuel': 3,
       'Abelson, Mrs. Samuel (Hannah Wizosky)': 4,
       'Adahl, Mr. Mauritz Nils Martin': 5,
       'Adams, Mr. John': 6,
       'Ahlin, Mrs. Johan (Johanna Persdotter Larsson)': 7,
       'Aks, Mrs. Sam (Leah Rosen)': 8,
       'Albimona, Mr. Nassef Cassem': 9,
       'Alexander, Mr. William': 10,
       'Alhomaki, Mr. Ilmari Rudolf': 11,
       'Ali, Mr. Ahmed': 12,
       'Ali, Mr. William': 13,
       'Allen, Miss. Elisabeth Walton': 14,
       'Allen, Mr. William Henry': 15,
       'Allison, Master. Hudson Trevor': 16,
       'Allison, Miss. Helen Loraine': 17,
       'Allison, Mrs. Hudson J C (Bessie Waldo Daniels)': 18,
       'Allum, Mr. Owen George': 19,
       'Andersen-Jensen, Miss. Carla Christine Nielsine': 20,
       'Anderson, Mr. Harry': 21,
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'Watson, Mr. Ennis Hastings'

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'Andersson, Master. Sigvard Harald Elias': 22,
'Andersson, Miss. Ebba Iris Alfrida': 23,
'Andersson, Miss. Ellis Anna Maria': 24,
'Andersson, Miss. Erna Alexandra': 25,
'Andersson, Miss. Ingeborg Constanzia': 26,
'Andersson, Miss. Sigrid Elisabeth': 27,
'Andersson, Mr. Anders Johan': 28,
'Andersson, Mr. August Edvard ("Wennerstrom")': 29,
'Andersson, Mrs. Anders Johan (Alfrida Konstantia Brogren)': 30,
'Andreasson, Mr. Paul Edvin': 31,
'Andrew, Mr. Edgardo Samuel': 32,
'Andrews, Miss. Kornelia Theodosia': 33,
'Andrews, Mr. Thomas Jr': 34,
'Angle, Mrs. William A (Florence "Mary" Agnes Hughes)': 35,
'Appleton, Mrs. Edward Dale (Charlotte Lamson)': 36,
'Arnold-Franchi, Mr. Josef': 37,
'Arnold-Franchi, Mrs. Josef (Josefine Franchi)': 38,
'Artagaveytia, Mr. Ramon': 39,
'Asim, Mr. Adola': 40,
'Asplund, Master. Clarence Gustaf Hugo': 41,
'Asplund, Master. Edvin Rojj Felix': 42,
'Asplund, Miss. Lillian Gertrud': 43,
'Asplund, Mrs. Carl Oscar (Selma Augusta Emilia Johansson)': 44,
'Astor, Mrs. John Jacob (Madeleine Talmadge Force)': 45,
'Attalah, Miss. Malake': 46,
'Attalah, Mr. Sleiman': 47,
'Aubart, Mme. Leontine Pauline': 48,
'Augustsson, Mr. Albert': 49,
'Ayoub, Miss. Banoura': 50,
'Backstrom, Mr. Karl Alfred': 51,
'Backstrom, Mrs. Karl Alfred (Maria Mathilda Gustafsson)': 52,
'Baclini, Miss. Eugenie': 53,
'Baclini, Miss. Helene Barbara': 54,
'Baclini, Miss. Marie Catherine': 55,
'Baclini, Mrs. Solomon (Latifa Qurban)': 56,
'Badt, Mr. Mohamed': 57,
'Bailey, Mr. Percy Andrew': 58,
'Balkic, Mr. Cerin': 59,
'Ball, Mrs. (Ada E Hall)': 60,
'Banfield, Mr. Frederick James': 61,
'Barah, Mr. Hanna Assi': 62,
'Barbara, Miss. Saiide': 63,
'Barbara, Mrs. (Catherine David)': 64,
'Barber, Miss. Ellen "Nellie": 65,
'Barkworth, Mr. Algernon Henry Wilson': 66,
'Barton, Mr. David John': 67,
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'Baxter, Mrs. James (Helene DeLaudeniere Chaput)': 71,
'Bazzani, Miss. Albina': 72,
'Beane, Mr. Edward': 73,
'Beane, Mrs. Edward (Ethel Clarke)': 74,
'Beavan, Mr. William Thomas': 75,
'Becker, Master. Richard F': 76,
'Becker, Miss. Marion Louise': 77,
'Beckwith, Mr. Richard Leonard': 78,
'Beckwith, Mrs. Richard Leonard (Sallie Monypeny)': 79,
'Beesley, Mr. Lawrence': 80,
'Behr, Mr. Karl Howell': 81,
'Bengtsson, Mr. John Viktor': 82,
'Berglund, Mr. Karl Ivar Sven': 83,
'Berriman, Mr. William John': 84,
'Betros, Mr. Tannous': 85,
'Bidois, Miss. Rosalie': 86,
'Bing, Mr. Lee': 87,
'Birkeland, Mr. Hans Martin Monsen': 88,
'Bishop, Mr. Dickinson H': 89,
'Bishop, Mrs. Dickinson H (Helen Walton)': 90,
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'Blackwell, Mr. Stephen Weart': 93,
'Blank, Mr. Henry': 94,
'Bonnell, Miss. Elizabeth': 95,
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'Boulos, Miss. Nourelain': 97,
'Boulos, Mr. Hanna': 98,
'Boulos, Mrs. Joseph (Sultana)': 99,
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'Bowerman, Miss. Elsie Edith': 104,
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'Brewe, Dr. Arthur Jackson': 109,
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'Brown, Miss. Amelia "Mildred": 111,
'Brown, Mr. Thomas William Solomon': 112,
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'Cacic, Miss. Marija': 123,
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'Caldwell, Master. Alden Gates': 127,
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'Calic, Mr. Jovo': 129,
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'Carter, Master. William Thornton II': 142,
'Carter, Miss. Lucile Polk': 143,
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'Carter, Mrs. Ernest Courtenay (Lilian Hughes)': 145,
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'Collyer, Mr. Harvey': 173,
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'Cook, Mr. Jacob': 179,
'Cor, Mr. Liudevit': 180,
'Corn, Mr. Harry': 181,
'Coutts, Master. Eden Leslie "Neville": 182,
'Coutts, Master. William Loch "William": 183,
'Coxon, Mr. Daniel': 184,
'Crease, Mr. Ernest James': 185,
'Cribb, Mr. John Hatfield': 186,
'Crosby, Capt. Edward Gifford': 187,
'Crosby, Miss. Harriet R': 188,
'Culumovic, Mr. Jeso': 189,
'Cumings, Mrs. John Bradley (Florence Briggs Thayer)': 190,
'Cunningham, Mr. Alfred Fleming': 191,
'Dahl, Mr. Karl Edwart': 192,
'Dahlberg, Miss. Gerda Ulrika': 193,
'Dakic, Mr. Branko': 194,
'Daly, Mr. Eugene Patrick': 195,
'Daly, Mr. Peter Denis ': 196,
'Danbom, Mr. Ernst Gilbert': 197,
'Danbom, Mrs. Ernst Gilbert (Anna Sigrid Maria Brogren)': 198,
'Daniel, Mr. Robert Williams': 199,
'Danoff, Mr. Yoto': 200,
'Dantcheff, Mr. Ristiu': 201,
'Davidson, Mr. Thornton': 202,
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'Davies, Mr. Alfred J': 204,
'Davies, Mr. Charles Henry': 205,
'Davis, Miss. Mary': 206,
'Davison, Mrs. Thomas Henry (Mary E Finck)': 207,
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'Dick, Mrs. Albert Adrian (Vera Gillespie)': 214,
'Dimic, Mr. Jovan': 215,
'Dodge, Master. Washington': 216,
'Doharr, Mr. Tannous': 217,
'Doling, Miss. Elsie': 218,
'Doling, Mrs. John T (Ada Julia Bone)': 219,
'Dooley, Mr. Patrick': 220,
'Dorking, Mr. Edward Arthur': 221,
'Douglas, Mr. Walter Donald': 222,
'Dowdell, Miss. Elizabeth': 223,
'Downton, Mr. William James': 224,
'Drazenoic, Mr. Jozef': 225,
'Drew, Mrs. James Vivian (Lulu Thorne Christian)': 226,
'Duane, Mr. Frank': 227,
'Duff Gordon, Lady. (Lucille Christiana Sutherland) ("Mrs Morgan")': 228,
'Duff Gordon, Sir. Cosmo Edmund ("Mr Morgan")': 229,
'Duran y More, Miss. Asuncion': 230,
'Edvardsson, Mr. Gustaf Hjalmar': 231,
'Eitemiller, Mr. George Floyd': 232,
'Eklund, Mr. Hans Linus': 233,
'Ekstrom, Mr. Johan': 234,
'Elias, Mr. Dibo': 235,
'Elias, Mr. Joseph Jr': 236,
'Elias, Mr. Tannous': 237,
'Elsbury, Mr. William James': 238,
'Emanuel, Miss. Virginia Ethel': 239,
'Emir, Mr. Farred Chehab': 240,
'Endres, Miss. Caroline Louise': 241,
'Eustis, Miss. Elizabeth Mussey': 242,
'Fahlstrom, Mr. Arne Jonas': 243,
'Farrell, Mr. James': 244,
'Farthing, Mr. John': 245,
'Faunthorpe, Mrs. Lizzie (Elizabeth Anne Wilkinson)': 246,
'Fischer, Mr. Eberhard Thelander': 247,
'Fleming, Miss. Margaret': 248,
'Flynn, Mr. James': 249,
'Flynn, Mr. John': 250,
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'Foo, Mr. Choong': 252,
'Ford, Miss. Doolina Margaret "Daisy": 253,
'Ford, Miss. Robina Maggie "Ruby": 254,
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'Frolicher-Stehli, Mr. Maxmillian': 267,
'Frost, Mr. Anthony Wood "Archie": 268,
'Fry, Mr. Richard': 269,
'Funk, Miss. Annie Clemmer': 270,
'Futrelle, Mr. Jacques Heath': 271,
'Futrelle, Mrs. Jacques Heath (Lily May Peel)': 272,
'Fynney, Mr. Joseph J': 273,
'Gale, Mr. Shadrach': 274,
'Gallagher, Mr. Martin': 275,
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'Gill, Mr. John William': 285,
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'Givard, Mr. Hans Kristensen': 288,
'Glynn, Miss. Mary Agatha': 289,
'Goldenberg, Mr. Samuel L': 290,
'Goldenberg, Mrs. Samuel L (Edwiga Grabowska)': 291,
'Goldschmidt, Mr. George B': 292,
'Goldsmith, Master. Frank John William "Frankie": 293,
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'Goldsmith, Mrs. Frank John (Emily Alice Brown)': 295,
'Goncalves, Mr. Manuel Estanslas': 296,
'Goodwin, Master. Harold Victor': 297,
'Goodwin, Master. Sidney Leonard': 298,
'Goodwin, Master. William Frederick': 299,
'Goodwin, Miss. Lillian Amy': 300,
'Goodwin, Mr. Charles Edward': 301,
'Goodwin, Mrs. Frederick (Augusta Tyler)': 302,
'Graham, Miss. Margaret Edith': 303,
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'Graham, Mr. George Edward': 304,
'Graham, Mrs. William Thompson (Edith Junkins)': 305,
'Green, Mr. George Henry': 306,
'Greenberg, Mr. Samuel': 307,
'Greenfield, Mr. William Bertram': 308,
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'Gustafsson, Mr. Anders Vilhelm': 312,
'Gustafsson, Mr. Johan Birger': 313,
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'Hagland, Mr. Konrad Mathias Reiersen': 317,
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'Hamalainen, Master. Viljo': 321,
'Hamalainen, Mrs. William (Anna)': 322,
'Hampe, Mr. Leon': 323,
'Hanna, Mr. Mansour': 324,
'Hansen, Mr. Claus Peter': 325,
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'Hansen, Mr. Henry Damsgaard': 327,
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'Harmer, Mr. Abraham (David Lishin)': 330,
'Harper, Miss. Annie Jessie "Nina": 331,
'Harper, Mr. Henry Sleeper': 332,
'Harper, Mrs. Henry Sleeper (Myna Haxtun)': 333,
'Harper, Rev. John': 334,
'Harrington, Mr. Charles H': 335,
'Harris, Mr. George': 336,
'Harris, Mr. Henry Birkhardt': 337,
'Harris, Mr. Walter': 338,
'Harris, Mrs. Henry Birkhardt (Irene Wallach)': 339,
'Harrison, Mr. William': 340,
'Hart, Miss. Eva Miriam': 341,
'Hart, Mr. Benjamin': 342,
'Hart, Mr. Henry': 343,
'Hart, Mrs. Benjamin (Esther Ada Bloomfield)': 344,
'Hassab, Mr. Hammad': 345,
'Hassan, Mr. Houssein G N': 346,
'Hawksford, Mr. Walter James': 347,
'Hays, Miss. Margaret Bechstein': 348,
'Hays, Mrs. Charles Melville (Clara Jennings Gregg)': 349,
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'Heikkinen, Miss. Laina': 353,
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'Hendekovic, Mr. Ignjac': 355,
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'Herman, Miss. Alice': 357,
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'Hewlett, Mrs. (Mary D Kingcome) ': 359,
'Hickman, Mr. Leonard Mark': 360,
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'Hold, Mr. Stephen': 370,
'Holm, Mr. John Fredrik Alexander': 371,
'Holverson, Mr. Alexander Oskar': 372,
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'Hood, Mr. Ambrose Jr': 376,
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'Ibrahim Shawah, Mr. Yousseff': 384,
'Icard, Miss. Amelie': 385,
'Ilett, Miss. Bertha': 386,
'Ilmakangas, Miss. Pieta Sofia': 387,
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'Jacobsohn, Mr. Sidney Samuel': 390,
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'Jensen, Mr. Svend Lauritz': 399,
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'Johannesen-Bratthammer, Mr. Bernt': 402,
'Johanson, Mr. Jakob Alfred': 403,
'Johansson, Mr. Erik': 404,
'Johansson, Mr. Gustaf Joel': 405,
'Johansson, Mr. Karl Johan': 406,
'Johnson, Master. Harold Theodor': 407,
'Johnson, Miss. Eleanor Ileen': 408,
'Johnson, Mr. Alfred': 409,
'Johnson, Mr. Malkolm Joackim': 410,
'Johnson, Mr. William Cahoone Jr': 411,
'Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)': 412,
'Johnston, Miss. Catherine Helen "Carrie": 413,
'Johnston, Mr. Andrew G': 414,
'Jonkoff, Mr. Lalio': 415,
'Jonsson, Mr. Carl': 416,
'Jussila, Miss. Katriina': 417,
'Jussila, Miss. Mari Aina': 418,
'Jussila, Mr. Eiriik': 419,
'Kallio, Mr. Nikolai Erland': 420,
'Kalvik, Mr. Johannes Halvorsen': 421,
'Kantor, Mr. Sinai': 422,
'Kantor, Mrs. Sinai (Miriam Sternin)': 423,
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'Kelly, Miss. Mary': 432,
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'Lefebre, Miss. Jeannie': 466,
'Lefebre, Miss. Mathilde': 467,
'Lehmann, Miss. Bertha': 468,
'Leinonen, Mr. Antti Gustaf': 469,
'Leitch, Miss. Jessie Wills': 470,
'Lemberopolous, Mr. Peter L': 471,
'Lemore, Mrs. (Amelia Milley)': 472,
'Lennon, Mr. Denis': 473,
'Leonard, Mr. Lionel': 474,
'Lester, Mr. James': 475,
'Lesurer, Mr. Gustave J': 476,
'Levy, Mr. Rene Jacques': 477,
'Lewy, Mr. Ervin G': 478,
'Leyson, Mr. Robert William Norman': 479,
'Lievens, Mr. Rene Aime': 480,
'Lindahl, Miss. Agda Thorilda Viktoria': 481,
'Lindblom, Miss. Augusta Charlotta': 482,
'Lindell, Mr. Edvard Bengtsson': 483,
'Lindqvist, Mr. Eino William': 484,
'Lines, Miss. Mary Conover': 485,
'Ling, Mr. Lee': 486,
'Lobb, Mr. William Arthur': 487,
'Lobb, Mrs. William Arthur (Cordelia K Stanlick)': 488,
'Long, Mr. Milton Clyde': 489,
'Longley, Miss. Gretchen Fiske': 490,
'Louch, Mrs. Charles Alexander (Alice Adelaide Slow)': 491,
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'Lovell, Mr. John Hall ("Henry")': 492,
'Lulic, Mr. Nikola': 493,
'Lundahl, Mr. Johan Svensson': 494,
'Lurette, Miss. Elise': 495,
'Mack, Mrs. (Mary)': 496,
'Madigan, Miss. Margaret "Maggie": 497,
'Madill, Miss. Georgette Alexandra': 498,
'Madsen, Mr. Fridtjof Arne': 499,
'Maenpaa, Mr. Matti Alexanteri': 500,
'Maioni, Miss. Roberta': 501,
'Maisner, Mr. Simon': 502,
'Mallet, Master. Andre': 503,
'Mallet, Mr. Albert': 504,
'Mamee, Mr. Hanna': 505,
'Mangan, Miss. Mary': 506,
'Mannion, Miss. Margareth': 507,
'Marechal, Mr. Pierre': 508,
'Markoff, Mr. Marin': 509,
'Markun, Mr. Johann': 510,
'Marvin, Mr. Daniel Warner': 511,
'Masselmani, Mrs. Fatima': 512,
'Matthews, Mr. William John': 513,
'Mayne, Mlle. Berthe Antonine ("Mrs de Villiers")': 514,
'McCarthy, Mr. Timothy J': 515,
'McCormack, Mr. Thomas Joseph': 516,
'McCoy, Miss. Agnes': 517,
'McCoy, Mr. Bernard': 518,
'McDermott, Miss. Brigdet Delia': 519,
'McEvoy, Mr. Michael': 520,
'McGough, Mr. James Robert': 521,
'McGovern, Miss. Mary': 522,
'McGowan, Miss. Anna "Annie": 523,
'McKane, Mr. Peter David': 524,
'McMahon, Mr. Martin': 525,
'McNamee, Mr. Neal': 526,
'Meanwell, Miss. (Marion Ogden)': 527,
'Meek, Mrs. Thomas (Annie Louise Rowley)': 528,
'Mellinger, Miss. Madeleine Violet': 529,
'Mellinger, Mrs. (Elizabeth Anne Maidment)': 530,
'Mellors, Mr. William John': 531,
'Meo, Mr. Alfonzo': 532,
'Mernagh, Mr. Robert': 533,
'Meyer, Mr. August': 534,
'Meyer, Mr. Edgar Joseph': 535,
'Meyer, Mrs. Edgar Joseph (Leila Saks)': 536,
'Millet, Mr. Francis Davis': 537,
'Milling, Mr. Jacob Christian': 538,
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'Minahan, Dr. William Edward': 539,
'Minahan, Miss. Daisy E': 540,
'Mineff, Mr. Ivan': 541,
'Mionoff, Mr. Stoytcho': 542,
'Mitchell, Mr. Henry Michael': 543,
'Mitkoff, Mr. Mito': 544,
'Mockler, Miss. Helen Mary "Ellie": 545,
'Moen, Mr. Sigurd Hansen': 546,
'Molson, Mr. Harry Markland': 547,
'Montvila, Rev. Juozas': 548,
'Moor, Master. Meier': 549,
'Moor, Mrs. (Beila)': 550,
'Moore, Mr. Leonard Charles': 551,
'Moran, Miss. Bertha': 552,
'Moran, Mr. Daniel J': 553,
'Moran, Mr. James': 554,
'Moraweck, Dr. Ernest': 555,
'Morley, Mr. Henry Samuel ("Mr Henry Marshall")': 556,
'Morley, Mr. William': 557,
'Morrow, Mr. Thomas Rowan': 558,
'Moss, Mr. Albert Johan': 559,
'Moubarek, Master. Gerios': 560,
'Moubarek, Master. Halim Gonios ("William George")': 561,
'Moussa, Mrs. (Mantoura Boulos)': 562,
'Moutal, Mr. Rahamin Haim': 563,
'Mudd, Mr. Thomas Charles': 564,
'Mullens, Miss. Katherine "Katie": 565,
'Murdlin, Mr. Joseph': 566,
'Murphy, Miss. Katherine "Kate": 567,
'Murphy, Miss. Margaret Jane': 568,
'Myhrman, Mr. Pehr Fabian Oliver Malkolm': 569,
'Naidenoff, Mr. Penko': 570,
'Najib, Miss. Adele Kiamie "Jane": 571,
'Nakid, Miss. Maria ("Mary")': 572,
'Nakid, Mr. Sahid': 573,
'Nankoff, Mr. Minko': 574,
'Nasser, Mr. Nicholas': 575,
'Nasser, Mrs. Nicholas (Adele Achem)': 576,
'Natsch, Mr. Charles H': 577,
'Navratil, Master. Edmond Roger': 578,
'Navratil, Master. Michel M': 579,
'Navratil, Mr. Michel ("Louis M Hoffman")': 580,
'Nenkoff, Mr. Christo': 581,
'Newell, Miss. Madeleine': 582,
'Newell, Miss. Marjorie': 583,
'Newell, Mr. Arthur Webster': 584,
'Newsom, Miss. Helen Monypeny': 585,
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'Nicholls, Mr. Joseph Charles': 586,
'Nicholson, Mr. Arthur Ernest': 587,
'Nicola-Yarred, Master. Elias': 588,
'Nicola-Yarred, Miss. Jamila': 589,
'Nilsson, Miss. Helmina Josefina': 590,
'Nirva, Mr. Iisakki Antino Aijo': 591,
'Niskanen, Mr. Juha': 592,
'Norman, Mr. Robert Douglas': 593,
'Nosworthy, Mr. Richard Cater': 594,
'Novel, Mr. Mansouer': 595,
'Nye, Mrs. (Elizabeth Ramell)': 596,
'Nysten, Miss. Anna Sofia': 597,
'Nysveen, Mr. Johan Hansen': 598,
"O'Brien, Mr. Thomas": 599,
"O'Brien, Mr. Timothy": 600,
'O\'Brien, Mrs. Thomas (Johanna "Hannah" Godfrey)': 601,
"O'Connell, Mr. Patrick D": 602,
"O'Connor, Mr. Maurice": 603,
"O'Driscoll, Miss. Bridget": 604,
'O\'Dwyer, Miss. Ellen "Nellie"': 605,
'O\'Leary, Miss. Hanora "Norah"': 606,
"O'Sullivan, Miss. Bridget Mary": 607,
'Odahl, Mr. Nils Martin': 608,
'Ohman, Miss. Velin': 609,
'Olsen, Mr. Henry Margido': 610,
'Olsen, Mr. Karl Siegwart Andreas': 611,
'Olsen, Mr. Ole Martin': 612,
'Olsson, Miss. Elina': 613,
'Olsson, Mr. Nils Johan Goransson': 614,
'Olsvigen, Mr. Thor Anderson': 615,
'Oreskovic, Miss. Marija': 616,
'Oreskovic, Mr. Luka': 617,
'Osen, Mr. Olaf Elon': 618,
'Osman, Mrs. Mara': 619,
'Ostby, Mr. Engelhart Cornelius': 620,
'Otter, Mr. Richard': 621,
'Padro y Manent, Mr. Julian': 622,
'Pain, Dr. Alfred': 623,
'Palsson, Master. Gosta Leonard': 624,
'Palsson, Miss. Stina Viola': 625,
'Palsson, Miss. Torborg Danira': 626,
'Palsson, Mrs. Nils (Alma Cornelia Berglund)': 627,
'Panula, Master. Eino Viljami': 628,
'Panula, Master. Juha Niilo': 629,
'Panula, Master. Urho Abraham': 630,
'Panula, Mr. Ernesti Arvid': 631,
'Panula, Mr. Jaako Arnold': 632,
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'Panula, Mrs. Juha (Maria Emilia Ojala)': 633,
 'Parkes, Mr. Francis "Frank": 634,
 'Parr, Mr. William Henry Marsh': 635,
 'Parrish, Mrs. (Lutie Davis)': 636,
 'Partner, Mr. Austen': 637,
 'Pasic, Mr. Jakob': 638,
 'Patchett, Mr. George': 639,
 'Paulner, Mr. Uscher': 640,
 'Pavlovic, Mr. Stefo': 641,
 'Pears, Mr. Thomas Clinton': 642,
 'Pears, Mrs. Thomas (Edith Wearne)': 643,
 'Peduzzi, Mr. Joseph': 644,
 'Pekoniemi, Mr. Edvard': 645,
 'Penasco y Castellana, Mr. Victor de Satode': 646,
 'Penasco y Castellana, Mrs. Victor de Satode (Maria Josefa Perez de Soto y
Vallejo)': 647,
 'Pengelly, Mr. Frederick William': 648,
 'Perkin, Mr. John Henry': 649,
 'Pernot, Mr. Rene': 650,
 'Perreault, Miss. Anne': 651,
 'Persson, Mr. Ernst Ulrik': 652,
 'Peter, Miss. Anna': 653,
 'Peter, Mrs. Catherine (Catherine Rizk)': 654,
 'Peters, Miss. Katie': 655,
 'Petranec, Miss. Matilda': 656,
 'Petroff, Mr. Nedelio': 657,
 'Petroff, Mr. Pastcho ("Pentcho")': 658,
 'Petterson, Mr. Johan Emil': 659,
 'Pettersson, Miss. Ellen Natalia': 660,
 'Peuchen, Major. Arthur Godfrey': 661,
 'Phillips, Miss. Kate Florence ("Mrs Kate Louise Phillips Marshall")': 662,
 'Pickard, Mr. Berk (Berk Trembisky)': 663,
 'Pinsky, Mrs. (Rosa)': 664,
 'Plotcharsky, Mr. Vasil': 665,
 'Ponesell, Mr. Martin': 666,
 'Porter, Mr. Walter Chamberlain': 667,
 'Potter, Mrs. Thomas Jr (Lily Alexenia Wilson)': 668,
 'Quick, Miss. Phyllis May': 669,
 'Quick, Mrs. Frederick Charles (Jane Richards)': 670,
 'Radeff, Mr. Alexander': 671,
 'Razi, Mr. Raihed': 672,
 'Reed, Mr. James George': 673,
 'Reeves, Mr. David': 674,
 'Rekic, Mr. Tido': 675,
 'Renouf, Mr. Peter Henry': 676,
 'Renouf, Mrs. Peter Henry (Lillian Jefferys)': 677,
 'Reuchlin, Jonkheer. John George': 678,
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'Reynaldo, Ms. Encarnacion': 679,
'Rice, Master. Arthur': 680,
'Rice, Master. Eric': 681,
'Rice, Master. Eugene': 682,
'Rice, Master. George Hugh': 683,
'Rice, Mrs. William (Margaret Norton)': 684,
'Richard, Mr. Emile': 685,
'Richards, Master. George Sibley': 686,
'Richards, Master. William Rowe': 687,
'Richards, Mrs. Sidney (Emily Hocking)': 688,
'Ridsdale, Miss. Lucy': 689,
'Ringhini, Mr. Sante': 690,
'Rintamaki, Mr. Matti': 691,
'Risien, Mr. Samuel Beard': 692,
'Robbins, Mr. Victor': 693,
'Robert, Mrs. Edward Scott (Elisabeth Walton McMillan)': 694,
'Robins, Mrs. Alexander A (Grace Charity Laury)': 695,
'Roebling, Mr. Washington Augustus II': 696,
'Rogers, Mr. William John': 697,
'Romaine, Mr. Charles Hallace ("Mr C Rolmane")': 698,
'Rommetvedt, Mr. Knud Paust': 699,
'Rood, Mr. Hugh Roscoe': 700,
'Rosblom, Mr. Viktor Richard': 701,
'Rosblom, Mrs. Viktor (Helena Wilhelmina)': 702,
'Ross, Mr. John Hugo': 703,
'Rothes, the Countess. of (Lucy Noel Martha Dyer-Edwards)': 704,
'Rothschild, Mrs. Martin (Elizabeth L. Barrett)': 705,
'Rouse, Mr. Richard Henry': 706,
'Rugg, Miss. Emily': 707,
'Rush, Mr. Alfred George John': 708,
'Ryan, Mr. Patrick': 709,
'Ryerson, Miss. Emily Borie': 710,
'Ryerson, Miss. Susan Parker "Suzette": 711,
'Saad, Mr. Amin': 712,
'Saad, Mr. Khalil': 713,
'Saalfeld, Mr. Adolphe': 714,
'Sadlier, Mr. Matthew': 715,
'Sage, Master. Thomas Henry': 716,
'Sage, Miss. Constance Gladys': 717,
'Sage, Miss. Dorothy Edith "Dolly": 718,
'Sage, Miss. Stella Anna': 719,
'Sage, Mr. Douglas Bullen': 720,
'Sage, Mr. Frederick': 721,
'Sage, Mr. George John Jr': 722,
'Sagesser, Mlle. Emma': 723,
'Salkjelsvik, Miss. Anna Kristine': 724,
'Salonen, Mr. Johan Werner': 725,
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'Samaan, Mr. Youssef': 726,
'Sandstrom, Miss. Marguerite Rut': 727,
'Sandstrom, Mrs. Hjalmar (Agnes Charlotta Bengtsson)': 728,
'Saundercock, Mr. William Henry': 729,
'Sawyer, Mr. Frederick Charles': 730,
'Scanlan, Mr. James': 731,
'Sdycoff, Mr. Todor': 732,
'Sedgwick, Mr. Charles Frederick Waddington': 733,
'Serepeca, Miss. Augusta': 734,
'Seward, Mr. Frederic Kimber': 735,
'Sharp, Mr. Percival James R': 736,
'Sheerlinck, Mr. Jan Baptist': 737,
'Shellard, Mr. Frederick William': 738,
'Shelley, Mrs. William (Imanita Parrish Hall)': 739,
'Shorney, Mr. Charles Joseph': 740,
'Shutes, Miss. Elizabeth W': 741,
'Silven, Miss. Lyyli Karoliina': 742,
'Silverthorne, Mr. Spencer Victor': 743,
'Silvey, Mr. William Baird': 744,
'Silvey, Mrs. William Baird (Alice Munger)': 745,
'Simmons, Mr. John': 746,
'Simonius-Blumer, Col. Oberst Alfons': 747,
'Sinkkonen, Miss. Anna': 748,
'Sirayanian, Mr. Orsen': 749,
'Sirota, Mr. Maurice': 750,
'Sivic, Mr. Husein': 751,
'Sivola, Mr. Antti Wilhelm': 752,
'Sjoblom, Miss. Anna Sofia': 753,
'Sjostedt, Mr. Ernst Adolf': 754,
'Skoog, Master. Harald': 755,
'Skoog, Master. Karl Thorsten': 756,
'Skoog, Miss. Mabel': 757,
'Skoog, Miss. Margit Elizabeth': 758,
'Skoog, Mr. Wilhelm': 759,
'Skoog, Mrs. William (Anna Bernhardina Karlsson)': 760,
'Slabenoff, Mr. Petco': 761,
'Slayter, Miss. Hilda Mary': 762,
'Slemen, Mr. Richard James': 763,
'Slocovski, Mr. Selman Francis': 764,
'Sloper, Mr. William Thompson': 765,
'Smart, Mr. John Montgomery': 766,
'Smiljanic, Mr. Mile': 767,
'Smith, Miss. Marion Elsie': 768,
'Smith, Mr. James Clinch': 769,
'Smith, Mr. Richard William': 770,
'Smith, Mr. Thomas': 771,
'Sobey, Mr. Samuel James Hayden': 772,
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'Soholt, Mr. Peter Andreas Lauritz Andersen': 773,
'Somerton, Mr. Francis William': 774,
'Spedden, Mrs. Frederic Oakley (Margaretta Corning Stone)': 775,
'Spencer, Mrs. William Augustus (Marie Eugenie)': 776,
'Stahelin-Maeglin, Dr. Max': 777,
'Staneff, Mr. Ivan': 778,
'Stankovic, Mr. Ivan': 779,
'Stanley, Miss. Amy Zillah Elsie': 780,
'Stanley, Mr. Edward Roland': 781,
'Stead, Mr. William Thomas': 782,
'Stephenson, Mrs. Walter Bertram (Martha Eustis)': 783,
'Stewart, Mr. Albert A': 784,
'Stone, Mrs. George Nelson (Martha Evelyn)': 785,
'Stoytcheff, Mr. Ilia': 786,
'Strandberg, Miss. Ida Sofia': 787,
'Stranden, Mr. Juho': 788,
'Strom, Miss. Telma Matilda': 789,
'Strom, Mrs. Wilhelm (Elna Matilda Persson)': 790,
'Sunderland, Mr. Victor Francis': 791,
'Sundman, Mr. Johan Julian': 792,
'Sutehall, Mr. Henry Jr': 793,
'Sutton, Mr. Frederick': 794,
'Svensson, Mr. Johan': 795,
'Svensson, Mr. Olof': 796,
'Swift, Mrs. Frederick Joel (Margaret Welles Barron)': 797,
'Taussig, Miss. Ruth': 798,
'Taussig, Mr. Emil': 799,
'Taussig, Mrs. Emil (Tillie Mandelbaum)': 800,
'Taylor, Mr. Elmer Zebley': 801,
'Taylor, Mrs. Elmer Zebley (Juliet Cummins Wright)': 802,
'Thayer, Mr. John Borland': 803,
'Thayer, Mr. John Borland Jr': 804,
'Thayer, Mrs. John Borland (Marian Longstreth Morris)': 805,
'Theobald, Mr. Thomas Leonard': 806,
'Thomas, Master. Assad Alexander': 807,
'Thorne, Mrs. Gertrude Maybelle': 808,
'Thorneycroft, Mr. Percival': 809,
'Thorneycroft, Mrs. Percival (Florence Kate White)': 810,
'Tikkanen, Mr. Juho': 811,
'Tobin, Mr. Roger': 812,
'Todoroff, Mr. Lalio': 813,
'Tomlin, Mr. Ernest Portage': 814,
'Toomey, Miss. Ellen': 815,
'Torber, Mr. Ernst William': 816,
'Tornquist, Mr. William Henry': 817,
'Toufik, Mr. Nakli': 818,
'Touma, Mrs. Darwis (Hanne Youssef Razi)': 819,
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'Troupiansky, Mr. Moses Aaron': 820,
'Trout, Mrs. William H (Jessie L)': 821,
'Troutt, Miss. Edwina Celia "Winnie": 822,
'Turcin, Mr. Stjepan': 823,
'Turja, Miss. Anna Sofia': 824,
'Turkula, Mrs. (Hedwig)': 825,
'Turpin, Mr. William John Robert': 826,
'Turpin, Mrs. William John Robert (Dorothy Ann Wonnacott)': 827,
'Uruchurtu, Don. Manuel E': 828,
'Van Impe, Miss. Catharina': 829,
'Van Impe, Mr. Jean Baptiste': 830,
'Van Impe, Mrs. Jean Baptiste (Rosalie Paula Govaert)': 831,
'Van der hoef, Mr. Wyckoff': 832,
'Vande Velde, Mr. Johannes Joseph': 833,
'Vande Walle, Mr. Nestor Cyriel': 834,
'Vanden Steen, Mr. Leo Peter': 835,
'Vander Cruyssen, Mr. Victor': 836,
'Vander Planke, Miss. Augusta Maria': 837,
'Vander Planke, Mr. Leo Edmondus': 838,
'Vander Planke, Mrs. Julius (Emelia Maria Vandemoortele)': 839,
'Vestrom, Miss. Hulda Amanda Adolfina': 840,
'Vovk, Mr. Janko': 841,
'Waelens, Mr. Achille': 842,
'Walker, Mr. William Anderson': 843,
'Ward, Miss. Anna': 844,
'Warren, Mrs. Frank Manley (Anna Sophia Atkinson)': 845,
'Watson, Mr. Ennis Hastings': 846,
'Watt, Mrs. James (Elizabeth "Bessie" Inglis Milne)': 847,
'Webber, Miss. Susan': 848,
'Webber, Mr. James': 849,
'Weir, Col. John': 850,
'Weisz, Mrs. Leopold (Mathilde Francoise Pede)': 851,
'Wells, Miss. Joan': 852,
'West, Miss. Constance Mirium': 853,
'West, Mr. Edwy Arthur': 854,
'West, Mrs. Edwy Arthur (Ada Mary Worth)': 855,
'Wheadon, Mr. Edward H': 856,
'White, Mr. Percival Wayland': 857,
'White, Mr. Richard Frasar': 858,
'Wick, Miss. Mary Natalie': 859,
'Wick, Mrs. George Dennick (Mary Hitchcock)': 860,
'Widegren, Mr. Carl/Charles Peter': 861,
'Widener, Mr. Harry Elkins': 862,
'Wiklund, Mr. Jakob Alfred': 863,
'Wilhelms, Mr. Charles': 864,
'Willey, Mr. Edward': 865,
'Williams, Mr. Charles Duane': 866,
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'Williams, Mr. Charles Eugene': 867,
'Williams, Mr. Howard Hugh "Harry": 868,
'Williams, Mr. Leslie': 869,
'Williams-Lambert, Mr. Fletcher Fellows': 870,
'Windelov, Mr. Einar': 871,
'Wiseman, Mr. Phillippe': 872,
'Woolner, Mr. Hugh': 873,
'Wright, Mr. George': 874,
'Yasbeck, Mr. Antoni': 875,
'Yasbeck, Mrs. Antoni (Selini Alexander)': 876,
'Young, Miss. Marie Grice': 877,
'Youseff, Mr. Gerious': 878,
'Yousif, Mr. Wazli': 879,
'Yousseff, Mr. Gerious': 880,
'Yrois, Miss. Henriette ("Mrs Harbeck")': 881,
'Zabour, Miss. Hileni': 882,
'Zabour, Miss. Thamine': 883,
'Zimmerman, Mr. Leo': 884,
'de Messemaeker, Mrs. Guillaume Joseph (Emma)': 885,
'de Mulder, Mr. Theodore': 886,
'de Pelsmaeker, Mr. Alfons': 887,
'del Carlo, Mr. Sebastiano': 888,
'van Billiard, Mr. Austin Blyler': 889,
'van Melkebeke, Mr. Philemon': 890}
```

9 Feature Scalling

```
[33]: from sklearn.preprocessing import MinMaxScaler
     ms=MinMaxScaler()
[34]: X_Scaled=ms.fit_transform(x)
[35]: X Scaled=pd.DataFrame(ms.fit transform(x),columns=x.columns)
[36]: X_Scaled.head()
[36]:
        PassengerId Pclass
                                                Age SibSp Parch
                                                                    Ticket \
                                Name Sex
     0
           0.000000
                        1.0 0.121348 1.0 0.271174 0.125
                                                             0.0 0.769118
     1
           0.001124
                        0.0 0.213483 0.0 0.472229 0.125
                                                             0.0 0.876471
     2
                        1.0 0.396629 0.0 0.321438 0.000
                                                             0.0 0.983824
           0.002247
     3
           0.003371
                        0.0 0.305618 0.0 0.434531 0.125
                                                             0.0 0.072059
                        1.0 0.016854 1.0 0.434531 0.000
           0.004494
                                                             0.0 0.694118
            Fare
                     Cabin Embarked
     0 0.014151 0.321918
                                1.0
                                0.0
     1 0.139136 0.554795
```

```
2 0.015469 0.321918 1.0
3 0.103644 0.376712 1.0
4 0.015713 0.321918 1.0
```

10 Splitting Data into Train and Test

```
[37]: from sklearn.model_selection import train_test_split
      x_train,x_test,y_train,y_test = train_test_split(X_Scaled,y,test_size =0.
       \hookrightarrow 2, random_state =0)
[38]: print(x_train.shape,x_test.shape,y_train.shape,y_test.shape)
     (712, 11) (179, 11) (712,) (179,)
[39]: y_train
[39]: 140
             0
      439
             0
      817
             0
      378
             0
      491
             0
      835
             1
      192
             1
      629
             0
      559
             1
      684
             0
      Name: Survived, Length: 712, dtype: int64
[40]: y_test
[40]: 495
             0
      648
             0
      278
             0
      31
             1
      255
             1
      780
             1
      837
             0
      215
             1
      833
             0
      372
      Name: Survived, Length: 179, dtype: int64
[41]: print(x_train.head(),x_test.head(),y_train.head(),y_test.head())
                                                                               Ticket \
          PassengerId Pclass
                                     Name Sex
                                                      Age SibSp
                                                                      Parch
              0.157303
                           1.0 0.111236 0.0 0.367921 0.000 0.333333 0.298529
     140
```

```
0.5  0.502247  1.0  0.384267  0.000  0.000000  0.804412
439
       0.493258
817
       0.917978
                    0.5 \quad 0.566292 \quad 1.0 \quad 0.384267 \quad 0.125 \quad 0.166667 \quad 0.908824
378
       0.424719
                    1.0 0.095506 1.0 0.246042 0.000 0.000000 0.269118
491
       0.551685
                    1.0 0.978652 1.0 0.258608 0.000 0.000000 0.954412
        Fare
                 Cabin Embarked
                             0.0
140
    0.029758 0.321918
439
    0.020495 0.321918
                             1.0
817
    0.072227 0.321918
                             0.0
378 0.007832 0.321918
                             0.0
491
    0.014151 0.321918
                             1.0
                                        PassengerId Pclass
                                                                 Name Sex
Age
    SibSp
              Parch
                       Ticket \
                    1.0 0.988764 1.0 0.367921 0.000 0.000000 0.258824
495
       0.556180
       0.728090
                    1.0 0.971910 1.0 0.367921 0.000 0.000000 0.911765
648
278
       0.312360
                    1.0 0.765169 1.0 0.082684 0.500 0.166667 0.705882
       0.034831
                    0.0 0.871910 0.0 0.367921 0.125 0.000000 0.861765
31
255
       0.286517
                    1.0 0.920225 0.0 0.359135 0.000 0.333333 0.272059
        Fare
                 Cabin Embarked
495 0.028221 0.321918
                             0.0
    0.014737 0.321918
                             1.0
648
278
    0.056848 0.321918
                             0.5
    0.285990 0.280822
                             0.0
31
255
                             0.0
    0.029758 0.321918
                                   140
                                          0
439
      0
817
      0
378
      0
491
Name: Survived, dtype: int64 495
648
278
      0
31
      1
255
      1
Name: Survived, dtype: int64
```