TITANIC DATASET Look at Data https://www.dataguest.io/blog/pandas-cheat-sheet/ https://pandas.pydata.org/docs/getting_started/intro_tutorials/02_read_write.html https://www.codegrepper.com/code-examples/delphi/how+to+drop+only+nan+values+in+pandas https://chrisalbon.com/python/data wrangling/pandas dropping column and rows/ # Reading data in Pandas In [21]: import pandas as pd # import Pandas df = pd.read csv("titanic data.csv") # Read data file df.head() df[0:5] # Display data Out[21]: Passengerld Survived Pclass Name Sex Age SibSp Parch **Ticket** Fare Cabin Embarked 1 0 0 3 Braund, Mr. Owen Harris male 22.0 A/5 21171 7.2500 NaN S Cumings, Mrs. John Bradley 2 PC 17599 71.2833 C85 С 1 1 1 female 38.0 1 0 (Florence Briggs Th... STON/O2. Heikkinen, Miss. Laina female 26.0 7.9250 2 0 0 NaN S 3101282 Futrelle, Mrs. Jacques Heath (Lily 3 1 0 113803 53.1000 C123 S female 35.0 May Peel) 0 3 0 S Allen, Mr. William Henry 0 373450 8.0500 NaN male 35.0 In [22]: df.info() <class 'pandas.core.frame.DataFrame'> RangeIndex: 891 entries, 0 to 890 Data columns (total 12 columns): Non-Null Count Dtype # Column int64 0 PassengerId 891 non-null int64 1 Survived 891 non-null 2 Pclass 891 non-null int64 3 Name 891 non-null object 4 Sex 891 non-null object 5 714 non-null float64 Age 6 SibSp 891 non-null int64 891 non-null int64 7 Parch object 8 Ticket 891 non-null 9 891 non-null float64 Fare object 10 Cabin 204 non-null 11 Embarked 889 non-null object dtypes: float64(2), int64(5), object(5) memory usage: 83.7+ KB df.describe() In [23]: Out[23]: **PassengerId** Survived **Pclass** Age SibSp Parch Fare 891.000000 891.000000 891.000000 714.000000 891.000000 891.000000 891.000000 count 0.381594 446.000000 0.383838 2.308642 29.699118 0.523008 32.204208 mean 257.353842 0.486592 0.836071 14.526497 1.102743 0.806057 49.693429 std 0.000000 1.000000 0.000000 1.000000 0.420000 0.000000 0.000000 min 20.125000 223.500000 0.000000 2.000000 0.000000 0.000000 7.910400 25% 446.000000 0.000000 3.000000 28.000000 0.000000 0.000000 14.454200 50% 668.500000 1.000000 3.000000 38.000000 1.000000 0.000000 31.000000 75% 891.000000 3.000000 80.000000 8.000000 6.000000 512.329200 1.000000 max In [24]: df.tail() Out[24]: Passengerld Survived Pclass Fare Cabin Embarked Name Sex Age SibSp Parch Ticket 887 0 2 Montvila, Rev. Juozas 27.0 0 0 211536 13.00 S 886 male NaN 888 0 0 112053 30.00 B42 S 887 1 Graham, Miss. Margaret Edith female 19.0 1 Johnston, Miss. Catherine Helen W./C. 888 889 0 3 female NaN 1 2 23.45 NaN S 6607 "Carrie" С 889 890 1 1 Behr, Mr. Karl Howell male 26.0 0 0 111369 30.00 C148 0 Q 890 891 3 Dooley, Mr. Patrick male 32.0 0 0 370376 7.75 NaN In [25]: df.dtypes Out[25]: PassengerId int64 Survived int64 Pclass int64 Name object Sex object Age float64 SibSp int64 int64 Parch Ticket object Fare float64 Cabin object Embarked object dtype: object In [26]: df[["Age", "Sex"]] Out[26]: Age Sex 0 22.0 male **1** 38.0 female **2** 26.0 female 35.0 female 3 35.0 male 27.0 886 male 19.0 female 887 888 NaN female 26.0 889 male **890** 32.0 male 891 rows × 2 columns In [27]: | df[df['Age']>35] Out[27]: PassengerId Survived Pclass SibSp Parch **Ticket** Cabin Embarked Name Sex Age Fare Cumings, Mrs. John Bradley (Florence PC female 38.0 71.2833 C85 С 17599 Briggs Th... 7 0 17463 51.8625 S 1 McCarthy, Mr. Timothy J 54.0 0 E46 6 male 11 12 1 Bonnell, Miss. Elizabeth female 58.0 0 113783 26.5500 C103 S 0 347082 31.2750 S 13 14 3 Andersson, Mr. Anders Johan male 39.0 NaN 2 S 16 Hewlett, Mrs. (Mary D Kingcome) 0 248706 15 female 55.0 16.0000 NaN female 42.0 866 2 Bystrom, Mrs. (Karolina) 236852 13.0000 NaN S 865 Beckwith, Mrs. Richard Leonard (Sallie 1 S 871 872 11751 52.5542 D35 female 47.0 Monypeny) 873 874 0 3 Vander Cruyssen, Mr. Victor male 47.0 345765 9.0000 NaN S Potter, Mrs. Thomas Jr (Lily Alexenia 879 С 880 1 1 female 56.0 0 11767 83.1583 C50 Rice, Mrs. William (Margaret Norton) female 39.0 5 382652 29.1250 886 0 3 Q 885 NaN 217 rows × 12 columns df[df['Age']>35].shape In [28]: Out[28]: (217, 12) In [29]: df[df['Age']>35].dtypes Out[29]: PassengerId int64 Survived int64 Pclass int64 Name object object Sex float64 Age SibSp int64 int64 Parch Ticket object Fare float64 Cabin object Embarked object dtype: object In [30]: df["Age"] Out[30]: 0 22.0 1 38.0 2 26.0 3 35.0 35.0 886 27.0 887 19.0 888 NaN 889 26.0 890 32.0 Name: Age, Length: 891, dtype: float64 csv to excel In [31]: import pandas as pd read file = pd.read csv (r"titanic data.csv") read file.to excel (r'titanic data.xlsx', index = None, header=True) In [32]: df.to_excel('titanic.xlsx', sheet_name='passengers', index=False) In [33]: # Reading the csv file df_new = pd.read_csv('titanic_data.csv') # saving xlsx file GFG = pd.ExcelWriter('titanic data.xlsx') df_new.to_excel(GFG, index = False) In [34]: pd.read_csv('titanic_data.csv').to_excel('titanic_data.xlsx') I'm interested in the Titanic passengers from cabin class 2 and 3. In [78]: df[df['Pclass']==2, df['Pclass']==3] TypeError Traceback (most recent call last) <ipython-input-78-cff0b45426d9> in <module> ----> 1 df[df['Pclass']==2, df['Pclass']==3] /opt/anaconda3/lib/python3.8/site-packages/pandas/core/frame.py in __getitem__(self, key) if self.columns.nlevels > 1: 2799 return self._getitem_multilevel(key) -> 2800 indexer = self.columns.get_loc(key) 2801 if is_integer(indexer): 2802 indexer = [indexer] /opt/anaconda3/lib/python3.8/site-packages/pandas/core/indexes/base.py in get_loc(self, key, method, tolerance) 2644 2645 try: -> 2646 return self._engine.get_loc(key) 2647 except KeyError: 2648 return self._engine.get_loc(self._maybe_cast_indexer(key)) pandas/_libs/index.pyx in pandas._libs.index.IndexEngine.get_loc() pandas/_libs/index.pyx in pandas._libs.index.IndexEngine.get_loc() TypeError: '(0 False 1 False 2 False 3 False 4 False 886 True 887 False 888 False 889 False 890 False Name: Pclass, Length: 891, dtype: bool, 0 True 1 False 2 True 3 False True 886 False 887 False 888 True 889 False 890 True Name: Pclass, Length: 891, dtype: bool)' is an invalid key In []: I want to work with passenger data for which the age is known. In [36]: df[df['Age'].notna()] Out[36]: Passengerld Survived Pclass SibSp Cabin Embarked Parch **Ticket** Name Fare Sex Age Braund, Mr. Owen Harris S 0 1 0 3 22.0 0 A/5 21171 7.2500 NaN male Cumings, Mrs. John Bradley С 2 1 1 1 female 38.0 1 0 PC 17599 71.2833 C85 (Florence Briggs Th... STON/O2. 2 3 1 Heikkinen, Miss. Laina female 26.0 0 0 3 7.9250 NaN S 3101282 Futrelle, Mrs. Jacques Heath (Lily S 3 4 1 0 female 35.0 1 113803 53.1000 C123 May Peel) 5 0 3 Allen, Mr. William Henry 35.0 0 0 373450 8.0500 NaN S male ... ---... ••• ---... ... Rice, Mrs. William (Margaret 885 886 0 3 29.1250 female 39.0 0 5 382652 NaN Q Norton) 887 0 2 27.0 0 0 211536 13.0000 S 886 Montvila, Rev. Juozas NaN male 1 Graham, Miss. Margaret Edith 0 S 888 19.0 0 112053 30.0000 B42 887 female Behr, Mr. Karl Howell 889 890 1 1 male 26.0 0 0 111369 30.0000 C148 С Q 0 0 0 370376 890 891 3 Dooley, Mr. Patrick male 32.0 7.7500 NaN 714 rows × 12 columns In []: I'm interested in the names of the passengers older than 35 years. In [37]: df[df['Age']>35] Out[37]: SibSp **Ticket** PassengerId Survived Pclass Name Parch Cabin Embarked Sex Age Fare Cumings, Mrs. John Bradley (Florence PC 38.0 71.2833 C85 С female Briggs Th... 17599 7 0 17463 51.8625 S McCarthy, Mr. Timothy J 54.0 0 0 E46 6 1 male 12 1 113783 26.5500 C103 S 1 Bonnell, Miss. Elizabeth female 58.0 11 0 347082 31.2750 S 13 14 3 Andersson, Mr. Anders Johan male 39.0 1 NaN S 16 2 Hewlett, Mrs. (Mary D Kingcome) 55.0 0 248706 16.0000 NaN 15 female 866 2 Bystrom, Mrs. (Karolina) 42.0 236852 13.0000 NaN S 865 female Beckwith, Mrs. Richard Leonard (Sallie 1 S 872 female 47.0 D35 871 1 11751 52.5542 Monypeny) 0 Vander Cruyssen, Mr. Victor S 873 874 3 male 47.0 0 0 345765 9.0000 NaN Potter, Mrs. Thomas Jr (Lily Alexenia 11767 83.1583 С 879 880 1 1 female 56.0 0 C50 Wilson) Rice, Mrs. William (Margaret Norton) female 39.0 886 0 3 5 382652 29.1250 Q NaN 885 217 rows × 12 columns In [38]: k=df[df['Age']>35] In [39]: df[df['Age']>35]["Name"] Out[39]: 1 Cumings, Mrs. John Bradley (Florence Briggs Th... 6 McCarthy, Mr. Timothy J 11 Bonnell, Miss. Elizabeth 13 Andersson, Mr. Anders Johan 15 Hewlett, Mrs. (Mary D Kingcome) Bystrom, Mrs. (Karolina) 865 871 Richard Leonard (Sallie Monypeny) Beckwith, Mrs. Vander Cruyssen, Mr. Victor 873 879 Potter, Mrs. Thomas Jr (Lily Alexenia Wilson) 885 Rice, Mrs. William (Margaret Norton) Name: Name, Length: 217, dtype: object In []: What are the name of columns? The **columns** function gives the name of the columns in your data file. In [172]: column=list(df.columns) print(column) ['PassengerId', 'Survived', 'Pclass', 'Name', 'Sex', 'Age', 'SibSp', 'Parch', 'Ticket', 'Fare', 'Cabi n', 'Embarked'] In []: What is the average age of the Titanic passengers In [174]: | df['Age'].mean() Out[174]: 29.69911764705882 Approx. 30 years In []: What is the maximum and minimum age of the Titanic passengers? In [177]: | df['Age'].max() Out[177]: 80.0 In [178]: df['Age'].min() Out[178]: 0.42 In []: Did the minimum age person survive? In [180]: df[(df['Age'] ==0.42) & (df['Survived'] >0)] Out[180]: SibSp PassengerId Survived Pclass Name Sex Age Parch Ticket Fare Cabin Embarked 803 804 3 Thomas, Master. Assad Alexander male 2625 8.5167 С yes thats great new In []: What is the median age and ticket fare price of the Titanic passengers? In [183]: (df['Age']).median() Out[183]: 28.0 In [184]: (df['Fare']).median() Out[184]: 14.4542 In [185]: df[["Fare", "Age"]].median() Out[185]: Fare 14.4542 Age 28.0000 dtype: float64 In []: What is the average age for male versus female Titanic passengers? df.groupby('Sex')['Age'].mean() In [42]: Out[42]: Sex 27.915709 female male 30.726645 Name: Age, dtype: float64 In []: group by sex and age In [189]: df[['Sex','Age']] Out[189]: Sex Age male 22.0 1 female 38.0 female 26.0 3 female 35.0 male 35.0 ... 886 male 27.0 female 19.0 887 888 female NaN male 26.0 889 male 32.0 890 891 rows × 2 columns In []: Another way to find the # of passengers older than 35 years? In [190]: | df[df['Age']>35].count() Out[190]: PassengerId 217 Survived 217 Pclass 217 217 Name 217 Sex Age 217 SibSp 217 Parch 217 217 Ticket Fare 217 Cabin 95 Embarked 215 dtype: int64 age above 35=df[df['Age']>35] In [191]: age_above_35.head() Out[191]: PassengerId Survived Pclass Name SibSp Parch **Ticket** Cabin Embarked Sex Age Fare Cumings, Mrs. John Bradley (Florence 2 С 1 1 female 0 71.2833 C85 38.0 17599 Briggs Th... 7 6 0 1 McCarthy, Mr. Timothy J male 54.0 0 0 17463 51.8625 E46 S 12 S Bonnell, Miss. Elizabeth 0 113783 26.5500 C103 11 female 58.0 S 14 0 3 Andersson, Mr. Anders Johan 39.0 5 347082 31.2750 NaN 13 male Hewlett, Mrs. (Mary D Kingcome) female 248706 16.0000 NaN S 15 55.0 In [192]: age above 35.shape Out[192]: (217, 12) In []: I am interested in the Titanic passengers from cabin class 2 and 3. df['Pclass'] In [44]: Out[44]: 3 0 1 1 2 3 3 1 3 886 2 887 1 888 3 889 1 890 3 Name: Pclass, Length: 891, dtype: int64 In [196]: df[df['Pclass'] ==1] Out[196]: Cabin Embarked PassengerId Survived Pclass SibSp Parch **Ticket** Name Sex Age **Fare** Cumings, Mrs. John Bradley PC female 1 2 1 1 38.0 71.2833 C85 С (Florence Briggs Th... 17599 Futrelle, Mrs. Jacques Heath (Lily 3 4 1 S 1 female 35.0 1 0 113803 53.1000 C123 May Peel) 7 0 McCarthy, Mr. Timothy J male 54.0 0 17463 51.8625 E46 S 6 S 1 0 113783 26.5500 11 12 1 Bonnell, Miss. Elizabeth female 58.0 0 C103 24 1 1 Sloper, Mr. William Thompson 28.0 0 0 113788 35.5000 A6 S 23 male Beckwith, Mrs. Richard Leonard 872 1 D35 S 871 female 47.0 11751 52.5542 (Sallie Monypeny) B51 0 Carlsson, Mr. Frans Olof S 872 873 1 0 0 5.0000 male 33.0 695 B53 B55 Potter, Mrs. Thomas Jr (Lily Alexenia 1 1 С 879 880 female 56.0 0 11767 83.1583 C50 Wilson) 0 112053 30.0000 S 1 0 887 888 1 Graham, Miss. Margaret Edith 19.0 B42 female С 889 890 Behr, Mr. Karl Howell male 26.0 0 0 111369 30.0000 C148 216 rows × 12 columns In [197]: 891-216 Out[197]: 675 675 is number of the Titanic passengers from cabin class 2 and 3. In [199]: df[(df['Pclass'] > 1)] Out[199]: PassengerId Survived Pclass Name Sex Age SibSp Parch **Ticket** Fare Cabin Embarked A/5 21171 S 1 0 3 Braund, Mr. Owen Harris 7.2500 0 male 22.0 0 NaN STON/O2. 2 3 3 S 1 Heikkinen, Miss. Laina female 26.0 0 0 7.9250 NaN 3101282 5 0 3 Allen, Mr. William Henry 35.0 0 0 373450 8.0500 NaN S male Moran, Mr. James 6 0 3 0 0 330877 8.4583 Q 5 male NaN NaN Palsson, Master. Gosta 7 8 0 3 349909 21.0750 S male 2.0 3 1 NaN Leonard SOTON/OQ 885 0 0 7.0500 884 3 Sutehall, Mr. Henry Jr 25.0 0 NaN S male 392076 Rice, Mrs. William (Margaret 885 886 0 3 0 Q 39.0 5 382652 29.1250 NaN female Norton) 2 S 887 0 0 0 13.0000 886 Montvila, Rev. Juozas male 27.0 211536 NaN Johnston, Miss. Catherine 888 889 0 3 female NaN 2 W./C. 6607 23.4500 NaN S Helen "Carrie" 0 3 0 370376 Q 891 Dooley, Mr. Patrick 32.0 0 7.7500 890 male NaN 675 rows × 12 columns df[df["Pclass"].isin([2, 3])] In [200]: Out[200]: PassengerId Survived Pclass Name Sex Age SibSp Parch **Ticket** Fare Cabin Embarked 7.2500 0 0 3 Braund, Mr. Owen Harris male 22.0 0 A/5 21171 NaN S STON/O2. 2 3 1 3 Heikkinen, Miss. Laina 0 7.9250 S 26.0 0 NaN female 3101282 S 5 0 3 Allen, Mr. William Henry male 35.0 0 0 373450 8.0500 NaN 6 0 3 0 Q Moran, Mr. James 0 330877 8.4583 NaN 5 male NaN Palsson, Master. Gosta 7 8 0 3 2.0 3 349909 21.0750 NaN S male Leonard SOTON/OQ 885 0 S 884 0 3 Sutehall, Mr. Henry Jr 0 7.0500 male 25.0 NaN 392076 Rice, Mrs. William (Margaret 3 885 886 0 5 382652 Q female 39.0 0 29.1250 NaN Norton) 887 0 2 Montvila, Rev. Juozas 27.0 0 0 211536 13.0000 NaN 886 male Johnston, Miss. Catherine 888 889 0 3 2 W./C. 6607 23.4500 S female NaN 1 NaN Helen "Carrie" 891 0 3 Dooley, Mr. Patrick 0 370376 Q 890 male 32.0 0 7.7500 NaN 675 rows × 12 columns In []: I want to work with passenger data for which the age is known. In [206]: df.dropna(subset=['Age']) Out[206]: PassengerId Survived Pclass Name Sex Age SibSp Parch **Ticket** Fare Cabin Embarked 0 3 Braund, Mr. Owen Harris 0 7.2500 S 0 22.0 A/5 21171 NaN male Cumings, Mrs. John Bradley С 2 female 38.0 0 PC 17599 71.2833 C85 (Florence Briggs Th... STON/O2. Heikkinen, Miss. Laina female 3 3 26.0 0 0 7.9250 NaN S 3101282 Futrelle, Mrs. Jacques Heath (Lily 53.1000 3 4 1 female 35.0 0 113803 C123 S May Peel) 0 0 373450 S 5 3 Allen, Mr. William Henry 35.0 0 8.0500 NaN male Rice, Mrs. William (Margaret 885 0 3 NaN Q 886 39.0 0 5 382652 29.1250 female Norton) S 887 0 2 0 886 Montvila, Rev. Juozas male 27.0 0 211536 13.0000 NaN Graham, Miss. Margaret Edith 0 30.0000 S 887 888 1 1 female 19.0 0 112053 B42 890 1 1 Behr, Mr. Karl Howell 0 30.0000 C148 С 889 26.0 0 111369 male Dooley, Mr. Patrick 891 0 3 32.0 0 370376 Q 890 male 7.7500 NaN 714 rows × 12 columns In [203]: df = df[df['Age'].notna()] In [205]: df Out [205]: PassengerId Survived Pclass SibSp Parch **Ticket** Cabin Embarked Name Sex Age Fare 0 0 3 Braund, Mr. Owen Harris 22.0 0 A/5 21171 7.2500 NaN S male Cumings, Mrs. John Bradley 2 1 1 С 1 female 38.0 0 PC 17599 71.2833 C85 (Florence Briggs Th... STON/O2. 2 3 0 S 1 3 Heikkinen, Miss. Laina female 26.0 0 7.9250 NaN 3101282 Futrelle, Mrs. Jacques Heath (Lily 1 3 4 0 S female 35.0 1 113803 53.1000 C123 May Peel) 0 3 Allen, Mr. William Henry 35.0 0 373450 8.0500 NaN S male Rice, Mrs. William (Margaret 382652 29.1250 885 886 0 3 39.0 0 5 NaN Q female Norton) 0 2 Montvila, Rev. Juozas 0 S 887 27.0 0 211536 13.0000 NaN 886 male 888 Graham, Miss. Margaret Edith 0 112053 30.0000 B42 S 887 1 19.0 0 female 889 890 1 1 Behr, Mr. Karl Howell male 26.0 0 111369 30.0000 C148 С Dooley, Mr. Patrick 0 Q 890 891 0 3 male 32.0 370376 7.7500 NaN 714 rows × 12 columns In []: I'm interested in the names of the passengers older than 35 years. In [209]: df[df['Age']>35] Out[209]: PassengerId Survived Pclass Sex Age SibSp Parch Fare Cabin Embarked Name Ticket Cumings, Mrs. John Bradley (Florence PC 71.2833 C85 Briggs Th... 17599 S 7 0 McCarthy, Mr. Timothy J 54.0 17463 51.8625 E46 6 1 male 0 Bonnell, Miss. Elizabeth 58.0 113783 26.5500 C103 S 11 female S 13 14 0 3 Andersson, Mr. Anders Johan male 39.0 347082 31.2750 NaN 2 16 1 Hewlett, Mrs. (Mary D Kingcome) 0 248706 16.0000 S 15 female 55.0 NaN ---0 236852 13.0000 866 2 Bystrom, Mrs. (Karolina) NaN S 865 female Beckwith, Mrs. Richard Leonard (Sallie 1 S 872 11751 52.5542 D35 871 female 47.0 Monypeny) 874 0 S 873 3 Vander Cruyssen, Mr. Victor male 47.0 0 0 345765 9.0000 NaN Potter, Mrs. Thomas Jr (Lily Alexenia 1 83.1583 С 879 880 1 female 56.0 0 11767 C50 0 Q 886 3 Rice, Mrs. William (Margaret Norton) 0 382652 29.1250 885 female 39.0 NaN 217 rows × 12 columns In []: I'm interested in rows 10 till 25 and columns 3 to 5 In [235]: df_drop_c=df.copy() # Copy to avoid modifying the original data Select column=column[0:2] # Select columns that have missing #columns described above # look at the no n-null columns above Select column1= column[6:] df_drop_c.drop(Select_column, axis=1, inplace=True) df drop c2=df drop c.copy() df_drop_c2.drop(Select_column1, axis=1, inplace=True) df_drop_c2.drop(df.index[[-2]], inplace=True) df drop c2 df_drop_c2[-2:] Out[235]: Age **Pclass** Name Sex 887 Graham, Miss. Margaret Edith 19.0 female 3 890 Dooley, Mr. Patrick male 32.0 In [236]: df.iloc[9:25, 2:5] Out[236]: **Pclass** Name Sex 3 Sandstrom, Miss. Marguerite Rut 10 female Bonnell, Miss. Elizabeth 1 female 11 12 3 Saundercock, Mr. William Henry male 13 3 Andersson, Mr. Anders Johan Vestrom, Miss. Hulda Amanda Adolfina 14 3 female 2 Hewlett, Mrs. (Mary D Kingcome) 15 female 3 Rice, Master. Eugene 16 male Vander Planke, Mrs. Julius (Emelia Maria Vande... 18 20 2 Fynney, Mr. Joseph J male 2 Beesley, Mr. Lawrence 21 male 3 McGowan, Miss. Anna "Annie" female 22 Sloper, Mr. William Thompson 23 3 Palsson, Miss. Torborg Danira female 24 3 Asplund, Mrs. Carl Oscar (Selma Augusta Emilia... female 25 27 Fortune, Mr. Charles Alexander male 30 1 Uruchurtu, Don. Manuel E male In []: Assign the name anonymous to the first 3 elements of the third column In [246]: df Out[246]: **Ticket** Cabin I **PassengerId** Survived **Pclass** Sex SibSp **Parch** Fare Name Age anormnous 0 anormnous anormnous anormnous anormnous anormnous anormnous anormnous a anormnous anormnous 1 anormnous anormnous anormnous anormnous anormnous anormnous anormnous anormnous 2 anormnous anormnous anormnous anormnous anormnous anormnous anormnous anormnous anormnous a Futrelle, Mrs. 3 4 35 0 113803 C123 1 1 1 53.1 Jacques female Heath (Lily May Peel) Allen, Mr. William 5 0 3 35 0 0 8.05 NaN 4 male 373450 Henry ---Rice, Mrs. William 885 886 0 3 39 0 5 382652 29.125 NaN female (Margaret Norton) Montvila, 886 887 0 2 27 0 0 211536 13 NaN Rev. male Juozas Graham, Miss. 887 888 1 female 19 0 0 112053 30 B42 Margaret Edith Behr, Mr. 889 890 1 26 0 0 111369 30 C148 male Karl Howell Dooley, Mr. 890 891 370376 32 7.75 NaN male Patrick 714 rows × 12 columns In [247]: k=df['Name'] In [248]: k[0:3] = 'dd'In [249]: Out[249]: 0 dd 1 dd 2 3 Futrelle, Mrs. Jacques Heath (Lily May Peel) 4 Allen, Mr. William Henry 885 Rice, Mrs. William (Margaret Norton) 886 Montvila, Rev. Juozas 887 Graham, Miss. Margaret Edith 889 Behr, Mr. Karl Howell 890 Dooley, Mr. Patrick Name: Name, Length: 714, dtype: object

