Analysis starts with importing the dataset and evaluating the values.

In [4]: import pandas as pd
 pd.pandas.set_option('display.max_columns', None)
 import numpy as np

In [5]: df1 = pd.read_csv('Terry_Stops.csv')
df1.head()

Out[5]:

:	Subject Age Group	Subject ID	GO / SC Num	Terry Stop ID	Stop Resolution	Weapon Type	Officer ID	Officer YOB	Officer Gender	Officer Race	Subject Perceived Race	Subject Perceived Gender	Reported Date	Reported Time	Initial Call Type	Final Call Type	Call Type	Officer Squad
ď	-	-1	20140000120677	92317	Arrest	None	7500	1984	М	Black or African American	Asian	Male	2015-10- 16T00:00:00	11:32:00	-	-	-	SOUTH PCT 1ST W - ROBERT
1	-	-1	20150000001463	28806	Field Contact	None	5670	1965	М	White	-	-	2015-03- 19T00:00:00	07:59:00	-	-	-	NaN
2	-	-1	20150000001516	29599	Field Contact	None	4844	1961	M	White	White	Male	2015-03- 21T00:00:00	19:12:00	-	-	-	NaN
3	-	-1	20150000001670	32260	Field Contact	None	7539	1963	М	White	-	-	2015-04- 01T00:00:00	04:55:00	-	-	-	NaN
4	-	-1	20150000001739	33155	Field Contact	None	6973	1977	М	White	Black or African American	Male	2015-04- 03T00:00:00	00:41:00	-	-	-	NaN
4																		•

Checking for null values in each column.

```
In [6]: df1.isna().sum()
                                      0
Out[6]: Subject Age Group
        Subject ID
                                      0
        GO / SC Num
                                      a
        Terry Stop ID
                                       a
        Stop Resolution
                                      a
        Weapon Type
                                      0
        Officer ID
                                      9
        Officer YOB
                                      0
        Officer Gender
        Officer Race
                                      0
        Subject Perceived Race
                                      0
        Subject Perceived Gender
                                      0
        Reported Date
        Reported Time
                                      0
        Initial Call Type
                                      0
        Final Call Type
                                      0
        Call Type
                                      0
        Officer Squad
                                    603
        Arrest Flag
                                      0
                                      0
        Frisk Flag
        Precinct
                                      0
        Sector
                                      0
        Beat
                                      0
        dtype: int64
```

Evaluating column values to see if they should be kept, binned, or dropped.

```
In [7]: df1['Subject Age Group'].value_counts()
Out[7]: 26 - 35
                        15080
        36 - 45
                         9582
        18 - 25
                         9172
        46 - 55
                         5867
        56 and Above
                         2308
        1 - 17
                         1931
                         1453
        Name: Subject Age Group, dtype: int64
In [8]: df1['Stop Resolution'].value_counts()
Out[8]: Field Contact
                                    18321
        Offense Report
                                    15219
        Arrest
                                    10948
        Referred for Prosecution
                                      728
                                      177
        Citation / Infraction
        Name: Stop Resolution, dtype: int64
```

```
In [9]: df1['Weapon Type'].value counts()
 Out[9]: None
                                               32565
                                               10186
         Lethal Cutting Instrument
                                               1482
         Knife/Cutting/Stabbing Instrument
                                                 528
         Handgun
                                                 281
         Firearm Other
                                                 100
         Blunt Object/Striking Implement
                                                  71
         Club, Blackjack, Brass Knuckles
                                                  49
         Firearm
                                                  34
         Mace/Pepper Spray
                                                  22
         Other Firearm
                                                  19
         Firearm (unk type)
                                                  15
         Club
                                                   9
         Taser/Stun Gun
         None/Not Applicable
         Rifle
         Fire/Incendiary Device
         Shotgun
         Automatic Handgun
                                                   2
         Brass Knuckles
                                                  1
         Blackjack
                                                  1
         Name: Weapon Type, dtype: int64
In [10]: df1['Subject Perceived Race'].value counts()
Out[10]: White
                                                       22177
         Black or African American
                                                       13520
         Unknown
                                                        2437
                                                       1803
         Hispanic
                                                        1684
         Asian
                                                       1453
         American Indian or Alaska Native
                                                        1314
         Multi-Racial
                                                        809
         0ther
                                                         152
         Native Hawaiian or Other Pacific Islander
                                                          44
         Name: Subject Perceived Race, dtype: int64
In [11]: df1['Subject Perceived Gender'].value_counts()
Out[11]: Male
                                                                       35515
                                                                        9258
         Female
         Unable to Determine
                                                                         326
                                                                         269
                                                                          21
         Gender Diverse (gender non-conforming and/or transgender)
                                                                           4
         Name: Subject Perceived Gender, dtype: int64
```

```
In [12]: df1['Officer ID'].value_counts()
Out[12]: 7456
                  407
         7634
                  341
         7773
                  312
         7765
                  306
         7758
                  301
         5697
                    1
         7558
                    1
         5445
                    1
         7563
                    1
         5875
                    1
         Name: Officer ID, Length: 1184, dtype: int64
```

```
In [13]: df1['Officer YOB'].value_counts()
Out[13]: 1986
                  3188
         1987
                  2905
         1984
                  2685
         1991
                  2628
         1985
                  2437
         1992
                  2301
         1990
                  2162
         1988
                  2007
         1989
                  1931
         1982
                  1824
         1983
                  1675
         1979
                  1460
         1981
                  1383
         1993
                  1354
         1971
                  1215
         1978
                  1131
         1995
                  1009
         1976
                   991
         1977
                   983
                  903
         1973
         1994
                   834
         1980
                   790
         1967
                   707
         1968
                   623
         1970
                   583
         1974
                   551
         1996
                   541
         1969
                   532
         1975
                   521
         1962
                   453
         1972
                   420
         1965
                   415
         1964
                   412
         1997
                   345
         1963
                   256
         1966
                   223
         1958
                   218
         1961
                   209
         1959
                   174
         1960
                   161
         1900
                   66
         1954
                   44
         1957
                   43
         1953
                   32
         1955
                    21
         1956
                   17
         1948
                   11
                    9
         1952
                    5
         1949
                    2
         1998
         1946
                    2
```

> 1951 1

Name: Officer YOB, dtype: int64

```
In [14]: df1['Officer Gender'].value counts()
```

Out[14]: M 40178 5186

29

Name: Officer Gender, dtype: int64

In [15]: print("Counts \n \n", df1['Officer Race'].value counts()) print("\n Percentage \n \n". df1['Officer Race'].value counts(normalize = True))

Counts

White 34480 Hispanic or Latino 2588 Two or More Races 2527 Asian 1900 Black or African American 1803 Not Specified 1274 Nat Hawaiian/Oth Pac Islander 441 American Indian/Alaska Native 314 Unknown 66

Name: Officer Race, dtype: int64

Percentage

White 0.759588 Hispanic or Latino 0.057013 Two or More Races 0.055669 Asian 0.041857 Black or African American 0.039720 Not Specified 0.028066 Nat Hawaiian/Oth Pac Islander 0.009715 American Indian/Alaska Native 0.006917 Unknown 0.001454

Name: Officer Race, dtype: float64

```
In [16]: df1['Initial Call Type'].value counts()
Out[16]: -
                                                            13073
         SUSPICIOUS STOP - OFFICER INITIATED ONVIEW
                                                             2983
         SUSPICIOUS PERSON, VEHICLE OR INCIDENT
                                                             2856
         DISTURBANCE, MISCELLANEOUS/OTHER
                                                             2328
         ASLT - IP/JO - WITH OR W/O WPNS (NO SHOOTINGS)
                                                             1914
         TRACKING ALARM
                                                               1
         REQUEST TO WATCH
                                                                1
         ALARM - RESIDENTIAL - SILENT/AUD PANIC/DURESS
                                                                1
         WARRANT PICKUP - FROM OTHER AGENCY
                                                                1
         MISSING - (ALZHEIMER, ENDANGERED, ELDERLY)
                                                                1
         Name: Initial Call Type, Length: 166, dtype: int64
In [17]: df1['Final Call Type'].value counts()
Out[17]: -
                                                       13073
         --SUSPICIOUS CIRCUM. - SUSPICIOUS PERSON
                                                         3551
         -- PROWLER - TRESPASS
                                                         3188
         --DISTURBANCE - OTHER
                                                         2589
         --ASSAULTS, OTHER
                                                         2205
         -ASSIGNED DUTY - STAKEOUT
                                                           1
         PROWLER
                                                           1
         BIAS -RACIAL, POLITICAL, SEXUAL MOTIVATION
                                                           1
         BURN - RECKLESS BURNING
                                                           1
         -- PREMISE CHECKS - REQUEST TO WATCH
                                                            1
         Name: Final Call Type, Length: 205, dtype: int64
In [18]: df1['Call Type'].value counts()
Out[18]: 911
                                           20213
                                           13073
         ONVIEW
                                            8631
         TELEPHONE OTHER, NOT 911
                                            3166
         ALARM CALL (NOT POLICE ALARM)
                                             302
         TEXT MESSAGE
                                               7
         SCHEDULED EVENT (RECURRING)
                                              1
         Name: Call Type, dtype: int64
```

```
In [19]: df1['Officer Squad'].value counts()
Out[19]: TRAINING - FIELD TRAINING SOUAD
                                                                 4803
         WEST PCT 1ST W - DAVID/MARY
                                                                 1502
         WEST PCT 2ND W - D/M RELIEF
                                                                  982
                                                                  917
         SOUTHWEST PCT 2ND W - FRANK
         NORTH PCT 2ND WATCH - NORTH BEATS
                                                                  885
         RECORDS - DAY SHIFT
                                                                   1
         DV SQUAD D - ORDER SERVICE
                                                                   1
         TRAINING - ADVANCED - SQUAD C
                                                                   1
         COMMUNITY OUTREACH - YOUTH VIOLENCE -SCHOOLS DETAIL
                                                                   1
         COMM - INTERNET AND TELEPHONE REPORTING (ITRU)
                                                                   1
         Name: Officer Squad, Length: 169, dtype: int64
In [20]: df1['Precinct'].value counts()
Out[20]: West
                       10785
                        9993
         North
                        9759
         East
                        6001
         South
                        5424
         Southwest
                        2320
         SouthWest
                         866
         Unknown
                         200
         001
                         30
         FK ERROR
                         15
         Name: Precinct, dtype: int64
In [21]: df1['Sector'].value_counts()
         С
                    1037
         D
                    1001
                    967
         Q
                    941
                    831
         Ε
         Q
                     666
         N
                    610
         0
                     525
                     518
         R
                     505
         S
                    431
         В
                    419
         U
                     392
         G
                     391
         J
                     350
                     348
                     317
                     312
         99
                     53
         Name: Sector, dtvpe: int64
```

```
In [22]: df1['GO / SC Num'].value counts()
Out[22]: 20150000190790
                           16
         20160000378750
                           16
         20180000134604
                           14
         20190000441736
                           13
         20170000132836
                           13
         201500000003136
                            1
         20180000479302
                            1
         20200000255962
                            1
                            1
         20200000239682
         20180000071981
                            1
         Name: GO / SC Num, Length: 35504, dtvpe: int64
In [23]: df1['Subject ID'].value counts()
Out[23]: -1
                         34718
                            19
          7726859935
                            13
          7753260438
                            12
          7727117712
          7726559999
                             9
          7704469768
                             1
          7733768490
                             1
          7727685936
                             1
          9727654195
                             1
          16219707395
         Name: Subject ID, Length: 8301, dtype: int64
In [24]: df1['Terry Stop ID'].value counts()
Out[24]: 13080077761
                        3
         15045077325
                        3
         12686594000
                        2
         17542218019
                        2
         12105013403
                        2
         13103094430
                        1
         154270
                        1
         269792
                        1
         97455
                        1
         131072
                        1
         Name: Terry Stop ID, Length: 45368, dtype: int64
```

Dropping columns that do not seem important to the model or have messy data and turning this into a new dataframe.

Out[25]:

•													
•	Subject Age Group	Stop Resolution	Weapon Type	Officer ID	Officer YOB	Officer Gender	Officer Race	Subject Perceived Race	Subject Perceived Gender	Reported Date	Reported Time	Arrest Flag	Frisk Flag
0	-	Arrest	None	7500	1984	М	Black or African American	Asian	Male	2015-10- 16T00:00:00	11:32:00	N	N
1	-	Field Contact	None	5670	1965	М	White	-	-	2015-03- 19T00:00:00	07:59:00	N	N
2	-	Field Contact	None	4844	1961	М	White	White	Male	2015-03- 21T00:00:00	19:12:00	N	-
3	-	Field Contact	None	7539	1963	М	White	-	-	2015-04- 01T00:00:00	04:55:00	N	N
4	-	Field Contact	None	6973	1977	М	White	Black or African American	Male	2015-04- 03T00:00:00	00:41:00	N	N

In [26]: df2['Arrest Flag'].value_counts()

Out[26]: N 42653

Y 2740

Name: Arrest Flag, dtype: int64

In [27]: df2['Frisk Flag'].value_counts()

Out[27]: N 34801

′ 10114 · 478

Name: Frisk Flag, dtype: int64

Dropping rows with '-' as a value for 'Frisk Flag', since someone can either be frisked or not.

Out[28]: N 34801 Y 10114

Name: Frisk Flag, dtype: int64

For values that were '-', I am assuming that the race was unknown so I am changing these values so they can be combined with the previous 'Unknown' values.

```
In [30]: df2['Subject Perceived Race'].value counts()
Out[30]: White
                                                        21966
         Black or African American
                                                        13395
         Unknown
                                                         2417
                                                        1741
         Hispanic
                                                        1667
         Asian
                                                        1442
         American Indian or Alaska Native
                                                        1298
         Multi-Racial
                                                         796
         Other
                                                         149
         Native Hawaiian or Other Pacific Islander
         Name: Subject Perceived Race, dtype: int64
In [31]: df2['Subject Perceived Race'].replace({'-': 'Unknown'}, inplace=True)
         df2['Subject Perceived Race'].value counts()
Out[31]: White
                                                        21966
         Black or African American
                                                        13395
         Unknown
                                                        4158
         Hispanic
                                                        1667
         Asian
                                                        1442
         American Indian or Alaska Native
                                                        1298
         Multi-Racial
                                                         796
         0ther
                                                         149
         Native Hawaiian or Other Pacific Islander
                                                          44
         Name: Subject Perceived Race, dtype: int64
         Similarly to race. I am changing '-' and 'Unable to Determine' to 'Unknown'.
In [32]: df2['Subject Perceived Gender'].value counts()
Out[32]: Male
                                                                        35180
         Female
                                                                         9173
         Unable to Determine
                                                                          317
                                                                          220
         Unknown
                                                                           21
         Gender Diverse (gender non-conforming and/or transgender)
         Name: Subject Perceived Gender, dtype: int64
In [33]: df2['Subject Perceived Gender'].replace({'-': 'Unknown', 'Unable to Determine': 'Unknown'}, inplace=True)
         df2['Subject Perceived Gender'].value counts()
Out[33]: Male
                                                                        35180
         Female
                                                                         9173
         Unknown
                                                                          558
         Gender Diverse (gender non-conforming and/or transgender)
                                                                            4
         Name: Subject Perceived Gender, dtype: int64
```

Applying the same adjustments to the 'Officer Race' column.

```
In [34]: df2['Officer Race'].value counts()
Out[34]: White
                                            34126
          Hispanic or Latino
                                             2569
          Two or More Races
                                             2513
                                             1883
          Asian
          Black or African American
                                             1765
          Not Specified
                                             1259
          Nat Hawaiian/Oth Pac Islander
                                             433
          American Indian/Alaska Native
                                              301
          Unknown
                                               66
          Name: Officer Race, dtype: int64
In [35]: df2['Officer Race'].replace({'Not Specified': 'Unknown'}, inplace=True)
          df2['Officer Race'].value counts()
Out[35]: White
                                            34126
                                             2569
          Hispanic or Latino
          Two or More Races
                                             2513
          Asian
                                             1883
          Black or African American
                                             1765
          Unknown
                                             1325
          Nat Hawaiian/Oth Pac Islander
                                              433
          American Indian/Alaska Native
                                              301
          Name: Officer Race, dtype: int64
          Because having a value of '-' may cause Syntax and TypeErrors, I changed this to be 'Unknown'
In [36]: | df2['Subject Age Group'].value_counts()
Out[36]: 26 - 35
                          14950
          36 - 45
                           9506
          18 - 25
                           9083
          46 - 55
                           5807
          56 and Above
                           2289
          1 - 17
                           1910
                           1370
          Name: Subject Age Group, dtype: int64
In [37]: df2['Subject Age Group'].replace({'-': 'Unknown'}, inplace=True)
          df2['Subject Age Group'].value_counts()
Out[37]: 26 - 35
                          14950
          36 - 45
                           9506
          18 - 25
                           9083
          46 - 55
                           5807
          56 and Above
                           2289
          1 - 17
                           1910
          Unknown
                           1370
          Name: Subject Age Group, dtype: int64
```

Because Officer's year of birth were all over the place, and had some outliers, I manually binned these to 10 year periods.

EDAandCleaning

	Officer YOB'].value_counts(
38]: 1986	3174	
1987	2882	
1984	2668	
1991	2622	
1985	2413	
1992	2286	
1990	2145	
1988	1995	
1989	1925	
1982	1809	
1983	1663	
1979	1444	
1981	1356	
1993	1352	
1993		
1971	1198	
1978	1095	
1976	986	
1995	985	
1977	926	
1973	896	
1994	818	
1980	785	
1967	697	
1968	619	
1970	579	
1974	540	
1996	540	
1969	523	
1975	515	
1962	444	
1972	417	
1965	414	
1964	402	
1997	345	
1963	250	
1958	216	
1961	208	
1966	203	
1959	172	
1960	159	
1900	66	
1954	44	
1957	42	
1953	30	
1955	20	
1956	17	
1948	11	
1952	9 5	
1949	5	
1998	2	
1946	2	

1/22/2021

```
1951
                    1
         Name: Officer YOB, dtype: int64
In [41]: df2['Officer YOB'].replace({1990: '1990s', 1991: '1990s', 1992: '1990s', 1993: '1990s', 1994: '1990s',
                                      1995: '1990s', 1996: '1990s', 1997: '1990s', 1998: '1990s', 1999: '1990s', inplace=True)
         df2['Officer YOB'].value counts()
Out[41]: 1990s
                   11095
         1986
                   3174
         1987
                   2882
         1984
                    2668
         1985
                    2413
         1988
                   1995
         1989
                   1925
         1982
                   1809
         1983
                   1663
         1979
                   1444
         1981
                   1356
         1971
                   1198
         1978
                    1095
         1976
                    986
         1977
                    926
         1973
                    896
         1980
                    785
         1967
                    697
         1968
                    619
         1970
                     579
         1974
                     540
         1969
                     523
         1975
                     515
         1962
                    444
         1972
                    417
         1965
                    414
         1964
                    402
         1963
                    250
         1958
                    216
         1961
                    208
         1966
                    203
         1959
                    172
         1960
                    159
         1900
                     66
         1954
                     44
         1957
                     42
         1953
                     30
         1955
                     20
         1956
                     17
         1948
                     11
         1952
                      9
         1949
                       5
         1946
                       2
         1951
                       1
         Name: Officer YOB, dtype: int64
```

```
In [42]: df2['Officer YOB'].replace({1980: '1980s', 1981: '1980s', 1982: '1980s', 1983: '1980s', 1984: '1980s',
                                     1985: '1980s', 1986: '1980s', 1987: '1980s', 1988: '1980s', 1989: '1980s'}, inplace=True)
         df2['Officer YOB'].value counts()
Out[42]: 1980s
                  20670
         1990s
                  11095
         1979
                   1444
         1971
                   1198
         1978
                   1095
         1976
                    986
         1977
                    926
         1973
                    896
         1967
                    697
         1968
                    619
         1970
                    579
         1974
                    540
         1969
                    523
         1975
                    515
         1962
                    444
         1972
                    417
         1965
                    414
         1964
                    402
         1963
                    250
         1958
                    216
         1961
                    208
         1966
                    203
         1959
                    172
         1960
                    159
         1900
                     66
         1954
                     44
         1957
                     42
         1953
                     30
         1955
                     20
         1956
                     17
         1948
                     11
                      9
         1952
                      5
         1949
         1946
                      2
         1951
                      1
         Name: Officer YOB, dtype: int64
```

```
In [43]: df2['Officer YOB'].replace({1970: '1970s', 1971: '1970s', 1972: '1970s', 1973: '1970s', 1974: '1970s',
                                     1975: '1970s', 1976: '1970s', 1977: '1970s', 1978: '1970s', 1979: '1970s'}, inplace=True)
         df2['Officer YOB'].value counts()
Out[43]: 1980s
                  20670
         1990s
                  11095
         1970s
                   8596
         1967
                    697
         1968
                    619
         1969
                    523
         1962
                    444
         1965
                    414
         1964
                    402
         1963
                    250
         1958
                    216
         1961
                    208
         1966
                    203
         1959
                    172
         1960
                    159
         1900
                     66
         1954
                     44
         1957
                     42
         1953
                     30
         1955
                     20
         1956
                     17
         1948
                     11
         1952
                      9
         1949
                      5
         1946
                      2
         1951
                      1
         Name: Officer YOB, dtype: int64
```

```
In [44]: df2['Officer YOB'].replace({1960: '1960s', 1961: '1960s', 1962: '1960s', 1963: '1960s', 1964: '1960s',
                                      1965: '1960s', 1966: '1960s', 1967: '1960s', 1968: '1960s', 1969: '1960s'}, inplace=True)
         df2['Officer YOB'].value counts()
Out[44]: 1980s
                  20670
         1990s
                  11095
         1970s
                   8596
         1960s
                   3919
         1958
                    216
         1959
                    172
         1900
                     66
         1954
                     44
         1957
                     42
         1953
                     30
         1955
                     20
         1956
                     17
         1948
                     11
         1952
                      9
         1949
                      5
         1946
                      2
         1951
                      1
         Name: Officer YOB, dtype: int64
In [45]: df2['Officer YOB'].replace({1950: '1950s', 1951: '1950s', 1952: '1950s', 1953: '1950s', 1954: '1950s',
                                      1955: '1950s', 1956: '1950s', 1957: '1950s', 1958: '1950s', 1959: '1950s'}, inplace=True)
         df2['Officer YOB'].value counts()
Out[45]: 1980s
                  20670
         1990s
                  11095
         1970s
                   8596
         1960s
                   3919
         1950s
                    551
         1900
                     66
         1948
                     11
         1949
                      5
         1946
                      2
         Name: Officer YOB, dtype: int64
In [46]: df2['Officer YOB'].replace({1940: '1940s', 1941: '1940s', 1942: '1940s', 1943: '1940s', 1944: '1940s',
                                      1945: '1940s', 1946: '1940s', 1947: '1940s', 1948: '1940s', 1949: '1940s'}, inplace=True)
         df2['Officer YOB'].value counts()
Out[46]: 1980s
                  20670
         1990s
                  11095
         1970s
                   8596
         1960s
                   3919
         1950s
                    551
         1900
                     66
         1940s
                     18
         Name: Officer YOB, dtype: int64
```

Out[47]: 1980s 20670 1990s 11095 1970s 8596 1960s 3919 1950s 551 1940s 18

Name: Officer YOB, dtype: int64

The final, cleaned up dataframe for the preliminary models.

In [48]: df2

Out[48]:

	Subject Age Group	Stop Resolution	Weapon Type	Officer ID	Officer YOB	Officer Gender	Officer Race	Subject Perceived Race	Subject Perceived Gender	Reported Date	Reported Time	Arrest Flag	Frisk Flag
0	Unknown	Arrest	None	7500	1980s	М	Black or African American	Asian	Male	2015-10- 16T00:00:00	11:32:00	N	N
1	Unknown	Field Contact	None	5670	1960s	М	White	Unknown	Unknown	2015-03- 19T00:00:00	07:59:00	N	N
3	Unknown	Field Contact	None	7539	1960s	М	White	Unknown	Unknown	2015-04- 01T00:00:00	04:55:00	N	N
4	Unknown	Field Contact	None	6973	1970s	М	White	Black or African American	Male	2015-04- 03T00:00:00	00:41:00	N	N
5	Unknown	Field Contact	None	7402	1970s	М	White	Black or African American	Male	2015-04- 05T00:00:00	23:46:00	N	N

45388	56 and Above	Field Contact	-	8668	1990s	F	White	White	Male	2020-11- 24T00:00:00	16:38:00	N	N
45389	56 and Above	Field Contact	-	8747	1990s	М	White	Unknown	Male	2020-11- 25T00:00:00	11:16:36	N	N
45390	56 and Above	Field Contact	-	7456	1970s	М	White	White	Male	2020-12- 03T00:00:00	18:25:31	N	N
45391	56 and Above	Field Contact	Knife/Cutting/Stabbing Instrument	8646	1990s	М	White	Black or African American	Male	2020-12- 15T00:00:00	23:02:58	N	Υ
45392	56 and Above	Field Contact	-	7932	1990s	М	White	Asian	Male	2020-12- 21T00:00:00	14:08:15	N	Υ

44849 rows × 13 columns

```
In [49]: df2['Arrest Flag'].value counts()
Out[49]: N
               42114
                2735
         Name: Arrest Flag, dtype: int64
In [50]: df2['Frisk Flag'].value counts()
Out[50]: N
               34745
              10104
         Name: Frisk Flag, dtype: int64
In [66]: Arrest = [42114, 2735]
         Frisk = [34745, 10104]
         index = ['No', 'Yes']
          df3 = pd.DataFrame({'Arrest Flag': Arrest,
                             'Frisk Flag': Frisk}, index=index)
          ax3 = df3.plot.bar(stacked=True)
           80000
                                                Arrest Flag
           70000
                                                Frisk Flag
           60000
           50000
           40000
           30000
           20000
           10000
                          è
```

In []: df2.to csv(r'C:\Users\melfr\Documents\Flatiron\p3\phase project\terry analysis\FriskAnalysis\EDA df.csv')