



A value is trying to be set on a copy of a slice from a DataFrame See the caveats in the documentation: http://pandas.pydata.org/pandas-docs/stable/indexing.html# indexing-view-versus-copy self._update_inplace(new_data) In [39]: #plot to showing the city raising 'illegal parking 'complaint plt.figure(figsize=(20,15)) plt.scatter(grp_data['Complaint Type'],grp_data['City']) plt.title('Illegal Parking complaint raise by different city') plt.show() Illegal Parking complaint raise by different city BREEZY POINT Astoria NEW HYDE PARK QUEENS CAMBRIA HEIGHTS BELLEROSE SUNNYSIDE FLORAL PARK ARVERNE WHITESTONE REGO PARK OAKLAND GARDENS ROSEDALE FAR ROCKAWAY JACKSON HEIGHTS BAYSIDE LITTLE NECK QUEENS VILLAGE SAINT ALBANS HOLLIS FRESH MEADOWS ASTORIA
COLLEGE POINT
SOUTH OZONE PARK WOODSIDE RIDGEWOOD STATEN ISLAND SOUTH RICHMOND HILL MASPETH FLUSHING WOODHAVEN NEW YORK Illegal Parking In [40]: #find the top ten major complaint type and their counts groupByComplainType['Complaint Type'].value_counts().nlargest(10) Out[40]: Complaint Type Complaint Type 100881 Blocked Driveway Blocked Driveway 92679 Illegal Parking Illegal Parking Noise - Street/Sidewalk Noise - Street/Sidewalk 51692 Noise - Commercial Noise - Commercial 44109 Derelict Vehicle Derelict Vehicle 21661 Noise - Vehicle Noise - Vehicle 19352 Animal Abuse Animal Abuse 10541 Traffic Traffic 5198 Homeless Encampment Homeless Encampment 4879 Vending Vending 4192 Name: Complaint Type, dtype: int64 In [63]: #fix location type NaN with unknown loc

grp_data['Location Type'].fillna('Unknown loc',inplace=True)

Out[64]: array(['Street/Sidewalk', 'Street/Sidewalk', 'Street/Sidewalk', ...,

In [65]: #count all null values in grouped location type column data

grp_data['Location Type'].isnull().sum()

Illegal Parking

'Street/Sidewalk', 'Street/Sidewalk', 'Street/Sidewalk'],

In [66]: #plot major complaint type 'Illegal parking' against location type for any pattern

plt.scatter(grp_data['Complaint Type'],grp_data['Location Type']) plt.title='Plot complaint type Heating against location type'

indexing-view-versus-copy

In [64]: grp data['Location Type'].values

dtype=object)

plt.figure(figsize=(3,3))

plt.xlabel='Complaint Type' plt.ylabel='Location Type

plt.show()

Unknown loc

Street/Sidewalk

ocation!

Out[65]: 0

self._update_inplace(new_data)

A value is trying to be set on a copy of a slice from a DataFrame

/anaconda3/lib/python3.7/site-packages/pandas/core/generic.py:5434: SettingWithCopyWarning:

In []: #Plot above gives us a clear picture of the fact that all the complaints rasied of type "Illeagal pa

#occured only in Street/Sidewalk! This shows that majority of complaints recorded was from unknown 1

See the caveats in the documentation: http://pandas.pydata.org/pandas-docs/stable/indexing.html#