1. Folium Map

complaint\_locations = complaint\_df[['latitude', 'longitude']]

complaint\_locationlist = complaint\_locations.values.tolist()

len(complaint\_locationlist)

complaint\_locationlist[1]

complaintFolMap = folium.Map(location=[40.767937,-73.982155], zoom\_start=12)

com = complaint\_df.groupby("boro\_nm").first()

com = com.loc[:,["latitude","longitude"]]

com\_count = complaint\_df.groupby("boro\_nm").count()

com\_count = com\_count.iloc[:, [0]]

com\_count.columns = ["Count"]

com = com\_count.join(com)

for index, row in com.iterrows():

folium.Marker(location=(row["latitude"],row['longitude']), popup= (com\_count) ).add\_to(complaintFolMap)

complaintFolMap