

Noise - Street/Sidewalk Out[43]: Illegal Parking 19 Noise - Street/Sidewalk 23 Illegal Parking 26 Noise - House of Worship . . . 300686 Noise - Commercial 300688 Noise - Commercial 300691 Noise - Commercial Noise - Commercial 300692 300697 Noise - Commercial Name: Complaint Type, Length: 65972, dtype: object In [44]: df_newyork.value counts() Noise - Street/Sidewalk 20426 Out[44]: Noise - Commercial 14544 Illegal Parking 12125 Noise - Vehicle 5484 Homeless Encampment 2775 Vending 2398 Blocked Driveway 2070 Traffic 1548 Animal Abuse 1525 Noise - Park 1210 Derelict Vehicle 537 Drinking 295 Urinating in Public 251 Bike/Roller/Skate Chronic 225 Noise - House of Worship 194 Panhandling 193 Disorderly Youth 69 Posting Advertisement 41 Illegal Fireworks 36 Graffiti 22 Squeegee 4 Name: Complaint Type, dtype: int64 df newyork.value counts().plot(kind='bar', figsize=(15,10)) In [45]: <AxesSubplot:> Out[45]: 20000 17500 15000 12500 10000 7500 5000 2500 Drinking **Illegal Parking** Noise - Vehicle Vending Animal Abuse Derelict Vehicle Urinating in Public Illegal Fireworks Noise - Street/Sidewalk Noise - Commercial Homeless Encampment Noise - Park Bike/Roller/Skate Chronic Noise - House of Worship Panhandling Disorderly Youth **Blocked Driveway** Posting Advertisement # Find the top 10 complaint types df['Complaint Type'].value counts().sort values(ascending=False).head(10) In [47]: Blocked Driveway 76810 Illegal Parking Noise - Street/Sidewalk Noise - Commercial 35247 Derelict Vehicle 17588 Noise - Vehicle Animal Abuse Traffic Homeless Encampment Noise - Park Name: Complaint Type, dtype: int64 In [48]: df.columns Index(['Unique Key', 'Created Date', 'Closed Date', 'Agency', 'Agency Name', Out[48]: 'Complaint Type', 'Descriptor', 'Location Type', 'Incident Zip', 'Incident Address', 'Street Name', 'Cross Street 1', 'Cross Street 2', 'Intersection Street 1', 'Intersection Street 2', 'Address Type', 'City', 'Landmark', 'Facility Type', 'Status', 'Due Date', 'Resolution Description', 'Resolution Action Updated Date', 'Community Board', 'Borough', 'X Coordinate (State Plane)', 'Y Coordinate (State Plane)', 'Park Facility Name', 'Park Borough', 'School Name', 'School Number', 'School Region', 'School Code', 'School Phone Number', 'School Address', 'School City', 'School State', 'School Zip', 'School Not Found', 'School or Citywide Complaint', 'Vehicle Type', 'Taxi Company Borough', 'Taxi Pick Up Location', 'Bridge Highway Name', 'Bridge Highway Direction', 'Road Ramp', 'Bridge Highway Segment', 'Garage Lot Name', 'Ferry Direction', 'Ferry Terminal Name', 'Latitude', 'Longitude', 'Location', 'closing time seconds'], dtype='object') In [49]: # Display the various types of complaints in each city x=df['Complaint Type'].groupby(df['City']) x = pd.DataFrame(x)x.columns=['City','Complaint Type'] print(x.to markdown()) | City | Complaint Type Illegal Parking | 3927 Illegal Parking | 5256 Noise - Commercial 0 | ARVERNE | 7932 Animal Abuse | 8260 Animal Abuse | 8685 Illegal Parking ... Graffiti | 289971 | 292894 Derelict Vehicle | 292924 Illegal Parking | 293989 Blocked Driveway Illegal Parking | 294567 | Name: Complaint Type, Length: 220, dtype: object | ASTORIA | 1 Blocked Driveway | 66 Noise - Commercial | 107 Noise - Commercial Blocked Driveway | 143 | 159 Blocked Driveway 300614 Blocked Driveway | 300630 Noise - Commercial 300641 Blocked Driveway 300646 Noise - Commercial 300649 Noise - Commercial | Name: Complaint Type, Length: 6330, dtype: object 2 | Astoria | 74987 Illegal Parking Illegal Parking | 74988 Noise - Street/Sidewalk | 75055 Derelict Vehicle | 75404 76383 Illegal Parking Noise - Street/Sidewalk | 299119 | 299852 Noise - Commercial | 299921 Noise - Commercial 300089 Illegal Parking | 300256 Illegal Parking | Name: Complaint Type, Length: 716, dtype: object Blocked Driveway 3 | BAYSIDE | 450 | 590 Derelict Vehicle | 1028 Illegal Parking Illegal Parking | 1214 Illegal Parking | 1270 | 299674 Blocked Driveway 300242 Derelict Vehicle Illegal Parking 300264 Blocked Driveway | 300391 Illegal Parking 300449 | Name: Complaint Type, Length: 1221, dtype: object Derelict Vehicle | BELLEROSE 830 | 1956 Blocked Driveway | 2036 Blocked Driveway Blocked Driveway | 3678 | 4268 Noise - Street/Sidewalk | 298716 Blocked Driveway | 298976 Derelict Vehicle | 298984 Derelict Vehicle 300439 Noise - Vehicle 300463 Blocked Driveway | Name: Complaint Type, Length: 375, dtype: object 5 | BREEZY POINT | 19866 Noise - Street/Sidewalk | 43305 Blocked Driveway 80974 Animal Abuse | 97029 Blocked Driveway | 112319 Noise - Commercial | 115168 Noise - Commercial | 115555 Noise - Vehicle Blocked Driveway | 117406 | 133209 Noise - Commercial Illegal Parking | 140536 Illegal Parking | 151443 Illegal Parking | 162396 Illegal Parking | 170167 | 177815 Illegal Parking Illegal Parking | 177913 Illegal Parking | 178015 Illegal Parking | 178094 Illegal Parking | 178124 Illegal Parking | 186076 Illegal Parking | 186157 Illegal Parking | 186165 Illegal Parking | 187516 Illegal Parking | 193812 | 198407 Noise - Commercial | 261261 Illegal Parking | 266548 Drinking Derelict Vehicle | 277318 | 277331 Derelict Vehicle | 280620 Animal Abuse | 298473 Derelict Vehicle | Name: Complaint Type, dtype: object 6 | BRONX Blocked Driveway | 3 Illegal Parking | 7 Blocked Driveway Blocked Driveway | 12 Noise - Street/Sidewalk 300643 Illegal Parking 300652 Blocked Driveway 300656 Blocked Driveway 300690 Illegal Parking | 300696 Noise - Commercial | Name: Complaint Type, Length: 40697, dtype: object | BROOKLYN | 5 Illegal Parking | 9 Blocked Driveway | 13 Illegal Parking | 17 Noise - Commercial | 18 Noise - Commercial | 300681 Noise - Street/Sidewalk 300682 Noise - Commercial | 300683 Noise - Street/Sidewalk | 300689 Noise - Street/Sidewalk | 300695 Noise - Commercial | Name: Complaint Type, Length: 98295, dtype: object Derelict Vehicle | CAMBRIA HEIGHTS | 1034 | 2889 Derelict Vehicle | 3132 Blocked Driveway | 4817 Derelict Vehicle | 5250 Blocked Driveway | 297030 Derelict Vehicle | 297076 Blocked Driveway | 298382 Blocked Driveway | 299008 Blocked Driveway | 300283 Derelict Vehicle | Name: Complaint Type, Length: 477, dtype: object Noise - Street/Sidewalk | CENTRAL PARK | 17122 | 18527 Noise - Street/Sidewalk | 20887 Noise - Street/Sidewalk Noise - Street/Sidewalk | 23912 | 24915 Noise - Street/Sidewalk | 294453 Noise - Street/Sidewalk | 295197 Noise - Street/Sidewalk | 296923 Noise - Street/Sidewalk | 300251 Noise - Street/Sidewalk 300286 Noise - Street/Sidewalk | Name: Complaint Type, Length: 97, dtype: object | COLLEGE POINT | 357 Illegal Parking Blocked Driveway | 709 Blocked Driveway | 1124 | 1323 Blocked Driveway | 2357 Blocked Driveway | 298610 Derelict Vehicle | 298615 Derelict Vehicle Derelict Vehicle | 298626 | 299542 Derelict Vehicle | 300329 Illegal Parking | Name: Complaint Type, Length: 1220, dtype: object 11 | CORONA | 88 Blocked Driveway Blocked Driveway | 94 | 157 Blocked Driveway | 219 Blocked Driveway | 289 Blocked Driveway | 300513 Blocked Driveway | 300516 Illegal Parking 300548 Blocked Driveway | 300549 Blocked Driveway 300633 Blocked Driveway | Name: Complaint Type, Length: 4295, dtype: object 12 | EAST ELMHURST | 127 Noise - House of Worship | 192 Blocked Driveway | 257 Blocked Driveway | 402 Blocked Driveway | 657 Blocked Driveway 300050 Blocked Driveway 300054 Illegal Parking | 300333 Blocked Driveway 300342 Illegal Parking | 300551 Blocked Driveway | Name: Complaint Type, Length: 2733, dtype: object 13 | ELMHURST | 4 Illegal Parking Blocked Driveway | 61 Illegal Parking 80 | 124 Blocked Driveway | 146 Blocked Driveway 300202 Noise - Vehicle 300404 Blocked Driveway 300498 Blocked Driveway | 300587 Blocked Driveway 300662 Noise - Commercial | Name: Complaint Type, Length: 2673, dtype: object | East Elmhurst | 109981 | Illegal Parking | 110661 Derelict Vehicle Illegal Parking | 120974 Illegal Parking | 150271 | 198051 Illegal Parking | 201713 Illegal Parking | 206818 Illegal Parking Illegal Parking | 226634 Illegal Parking | 230603 Illegal Parking | 254692 | 281150 Illegal Parking | 281251 Illegal Parking Illegal Parking | 281694 | 288459 Illegal Parking | Name: Complaint Type, dtype: object 15 | FAR ROCKAWAY | 645 Blocked Driveway | 723 Blocked Driveway Illegal Parking | 1239 | 1455 Blocked Driveway | 1717 Blocked Driveway | 300223 Blocked Driveway 300299 Derelict Vehicle | 300303 Derelict Vehicle | 300306 Derelict Vehicle 300434 Derelict Vehicle | Name: Complaint Type, Length: 1179, dtype: object 16 | FLORAL PARK | 5038 Illegal Parking Illegal Parking | 6892 | 9977 Illegal Parking | 10856 Illegal Parking | 13956 Derelict Vehicle | 292944 Derelict Vehicle | 295158 Derelict Vehicle | 298051 Derelict Vehicle | 300511 Blocked Driveway | 300525 Blocked Driveway | Name: Complaint Type, Length: 152, dtype: object 17 | FLUSHING | 78 Blocked Driveway | 84 Illegal Parking | 137 Blocked Driveway | 162 Blocked Driveway | 298 Derelict Vehicle | 300571 Noise - Commercial | 300578 Illegal Parking | 300591 Noise - Commercial | 300651 Blocked Driveway 300670 Illegal Parking | Name: Complaint Type, Length: 5970, dtype: object | FOREST HILLS | 37 Illegal Parking Noise - Commercial | 59 | 72 Blocked Driveway | 269 Blocked Driveway | 377 Blocked Driveway 299994 Noise - Commercial Illegal Parking 300104 300128 Illegal Parking | 300217 Illegal Parking | 300298 Blocked Driveway | Name: Complaint Type, Length: 1688, dtype: object | FRESH MEADOWS Blocked Driveway 19 | 154 | 385 Illegal Parking | 427 Noise - Vehicle | 480 Derelict Vehicle | 789 Illegal Parking | 299663 Blocked Driveway | 299970 Illegal Parking | 300219 Blocked Driveway | 300258 Derelict Vehicle | 300411 Blocked Driveway | Name: Complaint Type, Length: 1899, dtype: object | GLEN OAKS | 623 Illegal Parking | 2105 Derelict Vehicle | 4213 Noise - Commercial | 4218 Noise - Commercial | 4429 Noise - Commercial | 296158 Blocked Driveway | 296999 Blocked Driveway | 299128 Illegal Parking | 299246 Illegal Parking | 299273 Illegal Parking | Name: Complaint Type, Length: 306, dtype: object 21 | HOLLIS | 99 Blocked Driveway | 458 Illegal Parking | 494 Blocked Driveway 888 Blocked Driveway | 1565 Derelict Vehicle | 299221 Blocked Driveway | 299690 Blocked Driveway | 299998 Blocked Driveway | 300365 Blocked Driveway | 300481 Blocked Driveway | Name: Complaint Type, Length: 1012, dtype: object | HOWARD BEACH | 35 Illegal Parking | 91 Blocked Driveway | 131 Noise - Commercial | 413 Illegal Parking | 506 Derelict Vehicle | 299205 Drinking | 299247 Drinking | 299657 Derelict Vehicle 300244 Blocked Driveway | 300369 Blocked Driveway | Name: Complaint Type, Length: 931, dtype: object 23 | Howard Beach | 282522 Blocked Driveway | Name: Complaint Type, dtype: object 24 | JACKSON HEIGHTS | 10 Blocked Driveway | 57 Blocked Driveway | 476 Blocked Driveway | 573 Noise - House of Worship | 835 Noise - Commercial | 300157 Illegal Parking | 300165 Blocked Driveway | 300301 Blocked Driveway | 300302 Blocked Driveway | 300421 Blocked Driveway | Name: Complaint Type, Length: 1688, dtype: object 25 | JAMAICA | 25 Blocked Driveway | 92 Blocked Driveway | 174 Illegal Parking | 175 Illegal Parking | 212 Blocked Driveway 300547 Blocked Driveway 300567 Noise - Commercial Urinating in Public | 300570 300605 Blocked Driveway | 300610 Blocked Driveway | Name: Complaint Type, Length: 7294, dtype: object 26 | KEW GARDENS | 8 Illegal Parking | 140 Animal Abuse | 707 Blocked Driveway | 895 Blocked Driveway | 978 Blocked Driveway | 299138 Urinating in Public | 299548 Blocked Driveway | 300029 Illegal Parking | 300032 Blocked Driveway 300432 Illegal Parking | Name: Complaint Type, Length: 771, dtype: object 27 | LITTLE NECK | 1009 Blocked Driveway | 1026 Illegal Parking | 1321 Traffic | 1706 Blocked Driveway | 1999 Derelict Vehicle | 297805 Derelict Vehicle | 298850 Blocked Driveway | 299367 Disorderly Youth | 299960 Illegal Parking | 300237 Derelict Vehicle | Name: Complaint Type, Length: 559, dtype: object | LONG ISLAND CITY | 177 Illegal Parking | 505 Blocked Driveway | 555 Blocked Driveway | 626 Illegal Parking | 1612 Blocked Driveway | 299749 Blocked Driveway | 299750 Blocked Driveway | 300186 Illegal Parking | 300260 Animal Abuse 300442 Noise - Vehicle | Name: Complaint Type, Length: 2436, dtype: object | Long Island City | 75003 Illegal Parking | 76147 Noise - Commercial | 76575 Derelict Vehicle | 78134 Illegal Parking | 79203 Illegal Parking | 297894 Illegal Parking | 298706 Blocked Driveway | 299291 Derelict Vehicle | 299293 Illegal Parking | 299809 Blocked Driveway | Name: Complaint Type, Length: 134, dtype: object | MASPETH | 109 Illegal Parking | 226 Blocked Driveway | 229 Blocked Driveway | 246 Illegal Parking | 335 Blocked Driveway | 299751 Blocked Driveway | 299832 Derelict Vehicle | 299950 Blocked Driveway | 299987 Blocked Driveway 300457 Illegal Parking | Name: Complaint Type, Length: 2461, dtype: object | MIDDLE VILLAGE | 14 Derelict Vehicle | 21 Illegal Parking | 85 Illegal Parking | 380 Blocked Driveway | 514 Derelict Vehicle 300066 Illegal Parking | 300132 Illegal Parking 300294 Blocked Driveway 300300 Illegal Parking 300320 Illegal Parking | Name: Complaint Type, Length: 1765, dtype: object 32 | NEW HYDE PARK | 15303 Derelict Vehicle | 16021 Blocked Driveway | 22637 Blocked Driveway | 24231 Blocked Driveway | 38223 Blocked Driveway | 275292 Derelict Vehicle | 275350 Illegal Parking | 281017 Blocked Driveway | 288211 Blocked Driveway | 299861 Noise - Vehicle | Name: Complaint Type, Length: 98, dtype: object 33 | NEW YORK | 0 Noise - Street/Sidewalk | 6 Illegal Parking Noise - Street/Sidewalk | 19 | 23 Illegal Parking Noise - House of Worship | 26 300686 Noise - Commercial 300688 Noise - Commercial Noise - Commercial | 300691 300692 Noise - Commercial | 300697 Noise - Commercial | Name: Complaint Type, Length: 65972, dtype: object | OAKLAND GARDENS | 97 Blocked Driveway | 1605 Illegal Parking Noise - Vehicle | 1982 | 2348 Blocked Driveway | 2359 Blocked Driveway | 298452 Illegal Parking | 298552 Derelict Vehicle | 299565 Illegal Parking | 299710 Illegal Parking Blocked Driveway 300540 | Name: Complaint Type, Length: 551, dtype: object OZONE PARK | 44 Blocked Driveway | 106 Illegal Parking | 263 Blocked Driveway Animal Abuse | 307 | 350 Blocked Driveway | 299767 Blocked Driveway 300247 Illegal Parking Blocked Driveway | 300387 | 300515 Blocked Driveway | 300566 Blocked Driveway | Name: Complaint Type, Length: 2755, dtype: object | QUEENS | 26409 Noise - Commercial | 27634 Illegal Parking Noise - Street/Sidewalk | 59425 | 59666 Noise - House of Worship | 62535 Derelict Vehicle | 98539 Noise - Street/Sidewalk | 99755 Noise - Commercial | 120873 Illegal Parking | 120884 Blocked Driveway | 125847 Illegal Parking Noise - Street/Sidewalk | 132012 | 132261 Blocked Driveway Noise - Commercial | 135337 | 147623 Noise - Street/Sidewalk | 177755 Traffic | 184777 Homeless Encampment | 185726 Noise - Street/Sidewalk | 186164 Illegal Parking Homeless Encampment | 191695 | 195991 Noise - Vehicle Noise - Commercial | 197950 | 198570 Urinating in Public Traffic | 213695 Noise - Commercial | 214984 | 224916 Illegal Parking | 226472 Noise - Vehicle | 228376 Noise - Commercial | 265802 Illegal Parking | 281454 Noise - Street/Sidewalk | 283132 Animal in a Park | 287169 Illegal Parking | 297676 Illegal Parking | Name: Complaint Type, dtype: object | QUEENS VILLAGE | 89 Animal Abuse | 213 Blocked Driveway 954 Illegal Parking | 1039 Blocked Driveway 11104 Blocked Driveway | 300129 Blocked Driveway 300322 Blocked Driveway Blocked Driveway | 300386 | 300395 Blocked Driveway | 300398 Blocked Driveway | Name: Complaint Type, Length: 1814, dtype: object | REGO PARK | 15 Blocked Driveway | 323 Blocked Driveway | 492 Blocked Driveway | 1238 Derelict Vehicle | 1394 Derelict Vehicle Illegal Parking | 300037 | 300102 Derelict Vehicle Blocked Driveway | 300176 | 300181 Illegal Parking | 300560 Noise - Street/Sidewalk | Name: Complaint Type, Length: 1486, dtype: object | RICHMOND HILL | 65 Blocked Driveway | 103 Blocked Driveway | 170 Illegal Parking | 290 Blocked Driveway 304 Blocked Driveway | 299874 Blocked Driveway | 299884 Noise - Vehicle | 299888 Illegal Parking | 300293 Blocked Driveway 300694 Blocked Driveway | Name: Complaint Type, Length: 1902, dtype: object | RIDGEWOOD | 34 Blocked Driveway | 136 Blocked Driveway | 179 Blocked Driveway | 227 Illegal Parking Illegal Parking | 234 | 300512 Illegal Parking | 300595 Noise - Vehicle 300602 Blocked Driveway | 300679 Blocked Driveway | 300687 Blocked Driveway | Name: Complaint Type, Length: 5162, dtype: object Blocked Driveway | ROCKAWAY PARK | 206 | 1574 Blocked Driveway | 2130 Blocked Driveway | 2268 Animal Abuse | 2439 Blocked Driveway Noise - Street/Sidewalk | 297781 | 299315 Noise - Vehicle | 299434 Illegal Parking | 299449 Animal Abuse | 300119 Noise - Street/Sidewalk | Name: Complaint Type, Length: 745, dtype: object 42 | ROSEDALE | 1110 Animal Abuse | 1433 Illegal Parking | 1523 Illegal Parking | 1530 Illegal Parking | 1937 Blocked Driveway 299190 Derelict Vehicle | 299517 Blocked Driveway | 300052 Blocked Driveway 300407 Derelict Vehicle 300494 Blocked Driveway | Name: Complaint Type, Length: 922, dtype: object 43 | SAINT ALBANS | 16 Blocked Driveway | 673 Blocked Driveway | 702 Illegal Parking Derelict Vehicle | 731 | 734 Illegal Parking | 299694 Derelict Vehicle 300154 Illegal Parking | 300187 Blocked Driveway | 300523 Derelict Vehicle | 300561 Noise - Street/Sidewalk | Name: Complaint Type, Length: 834, dtype: object | SOUTH OZONE PARK | 134 Blocked Driveway | 279 Illegal Parking | 312 Derelict Vehicle Noise - Vehicle | 319 | 584 Blocked Driveway | 300304 Derelict Vehicle | 300308 Blocked Driveway | 300367 Derelict Vehicle | 300535 Blocked Driveway | 300553 Blocked Driveway | Name: Complaint Type, Length: 2173, dtype: object | SOUTH RICHMOND HILL | 27 Blocked Driveway | 115 Illegal Parking | 237 Blocked Driveway | 420 Blocked Driveway | 433 Blocked Driveway 300479 Illegal Parking 300499 Blocked Driveway | 300539 Illegal Parking 300543 Blocked Driveway 300577 Noise - Commercial | Name: Complaint Type, Length: 2774, dtype: object | SPRINGFIELD GARDENS | 216 Illegal Parking | 274 Blocked Driveway 342 Illegal Parking | 1309 Animal Abuse | 4019 Illegal Parking | 299067 Blocked Driveway Noise - Commercial | 299157 | 299971 Blocked Driveway 300041 Derelict Vehicle 300042 Illegal Parking | Name: Complaint Type, Length: 883, dtype: object 47 | STATEN ISLAND | 39 Posting Advertisement | 42 Posting Advertisement | 46 Posting Advertisement | 49 Posting Advertisement | 51 Posting Advertisement 300441 Noise - Vehicle | 300503 Illegal Parking | 300534 Illegal Parking 300624 Blocked Driveway | 300666 Noise - Commercial | Name: Complaint Type, Length: 12338, dtype: object | SUNNYSIDE | 1528 Blocked Driveway Blocked Driveway | 1577 | 2252 Noise - Commercial | 3107 Noise - Commercial | 5015 Noise - Street/Sidewalk 300340 Noise - Commercial Noise - Commercial | 300379 Noise - Street/Sidewalk 300423 300493 Blocked Driveway 300616 Noise - Commercial | Name: Complaint Type, Length: 723, dtype: object Illegal Parking 49 | Unknon City | 33 | 283 Illegal Parking | 302 Blocked Driveway | 1421 Illegal Parking | 2131 Illegal Parking . . . | 297267 Illegal Parking Derelict Vehicle | 299144 | 299158 Noise - Commercial | 299461 Illegal Parking | 299765 Blocked Driveway | Name: Complaint Type, Length: 506, dtype: object | WHITESTONE | 1882 | Illegal Parking | 2142 Illegal Parking | 2201 Blocked Driveway | 2540 Illegal Parking 2988 Derelict Vehicle | 299494 Derelict Vehicle | 299615 Derelict Vehicle | 300106 | Illegal Parking | 300428 | Illegal Parking 300474 Illegal Parking | Name: Complaint Type, Length: 1098, dtype: object | WOODHAVEN | 69 Illegal Parking | 278 Blocked Driveway | 407 Blocked Driveway | 578 Blocked Driveway | 739 Blocked Driveway | 300100 | Illegal Parking 300112 Illegal Parking | 300284 Blocked Driveway | 300584 | Illegal Parking 300603 Noise - Vehicle | Name: Complaint Type, Length: 2463, dtype: object 52 | WOODSIDE | 148 Blocked Driveway | 248 Illegal Parking | 369 Derelict Vehicle | 371 Derelict Vehicle | 384 Blocked Driveway 300341 Illegal Parking | 300380 Blocked Driveway | 300397 Illegal Parking | 300527 Blocked Driveway | 300676 Noise - Commercial | Name: Complaint Type, Length: 3544, dtype: object 53 | Woodside | 76105 | Illegal Parking | 77215 Illegal Parking | 78119 Blocked Driveway | 78466 Illegal Parking | 81576 Blocked Driveway | 293044 Illegal Parking | 295713 | Illegal Parking | 298274 Illegal Parking | 298280 Illegal Parking | 300150 Illegal Parking | Name: Complaint Type, Length: 120, dtype: object In [50]: # Create a DataFrame, df new, which contains cities as # columns and complaint types in rows In [51]: df_new=pd.crosstab(df['Complaint Type'],df['City']) df new Out[51]: **SOUTH** City ARVERNE ASTORIA Astoria BAYSIDE BELLEROSE BREEZY CAMBRIA CENTRAL PARK ... OZONE RICHMO BRONX BROOKLYN HEIGHTS **PARK Complaint Type** 125 0 1415 2394 38 11 55 **Animal Abuse** 0 ... **Animal in a Park** 0 0 0 0 0 0 0 0 0 0 Bike/Roller/Skate 0 15 0 0 1 0 20 111 0 0 ... 1 Chronic **Blocked** 0 ... 35 2618 116 377 95 3 12754 28147 147 942 **Driveway Derelict Vehicle** 27 351 12 198 89 3 1952 5179 115 0 ... 358 0 ... **Disorderly Youth** 2 3 0 1 2 0 63 72 0 2 35 0 188 257 13 **Drinking** 0 ... Graffiti 4 0 3 0 0 9 0 0 1 43 Homeless 0 ... 4 32 0 2 1 0 247 857 5 4 **Encampment Illegal Fireworks** 4 0 0 1 0 1 0 ... 1 0 24 61 58 1068 213 514 106 15 7859 27461 76 2 ... 494 **Illegal Parking** Noise -0 ... 2 1293 261 40 37 4 2433 11458 12 70 Commercial Noise - House of 0 ... 19 0 2 0 79 340 2 11 1 3 Worship 0 ... Noise - Park 2 61 0 4 1 0 547 1555 0 4 Noise -29 114 15 13 8890 13354 25 95 ... 105 386 1 Street/Sidewalk 0 ... Noise - Vehicle 7 204 0 16 10 3396 5176 77 85 1 0 0 ... **Panhandling** 1 1 0 0 19 49 0 0 **Posting** 0 1 0 0 1 0 17 45 0 0 ... 1 **Advertisement** 0 0 ... 0 0 0 0 0 0 0 Squeegee 47 0 0 ... **Traffic** 0 9 7 0 355 1085 6 28 **Urinating in** 9 0 0 0 ... 1 1 0 51 136 0 2 **Public** 0 2 0 0 ... Vending 54 0 379 515 0 5 23 rows × 54 columns In [52]: # Draw another chart that shows the types of complaints in each city in a single chart, where different colors show the # different types of complaints df['Complaint Type'].value counts().plot(kind='pie',figsize=(15,10),shadow=False)

