```
#A. FIND OUT TOP 5 ATTRIBUTES HAVING HIGHEST CORRELATION (SELECT ONLY NUMERIC
FEATURES).
#B. FIND OUT TOP 3 REASONS FOR HAVING MORE CRIME IN A CITY.
#C. WHICH ALL ATTRIBUTES HAVE CORRELATION WITH CRIME RATE?
COBRA YTD2017<-READ.CSV(FILE.CHOOSE())</pre>
REQUIRE (AMELIA)
## LOADING REQUIRED PACKAGE: AMELIA
## LOADING REQUIRED PACKAGE: RCPP
## ##
## ## AMELIA II: MULTIPLE IMPUTATION
## ## (VERSION 1.7.5, BUILT: 2018-05-07)
## ## COPYRIGHT (C) 2005-2018 JAMES HONAKER, GARY KING AND MATTHEW BLACKWELL
## ## REFER TO HTTP://GKING.HARVARD.EDU/AMELIA/ FOR MORE INFORMATION
## ##
LIBRARY (RCPP)
DATA<-COBRA YTD2017
DATA[4:10,3] \leftarrow REP(NA,7)
DATA[1:5,4] < - NA
DATA \leftarrow DATA [-C(5,6)]
SUMMARY (DATA)
     MI_PRINX OFFENSE ID
##
                                        RPT DATE
        :8838438 MIN. :1.608E+08 7/26/2017 : 106
## MIN.
## 1ST QU.:8904204 1ST QU.:1.711E+08 10/16/2017: 103
## MEDIAN: 8910894 MEDIAN: 1.720E+08 11/1/2017: 103
                   MEAN :6.523E+08 9/21/2017 : 101
## MEAN :8910851
## 3RD Qu.:8917584 3RD Qu.:1.728E+08 11/28/2017: 100
## MAX. :8924410 MAX. :1.730E+11 (OTHER)
                                             :26239
##
                                  NA's
                                         :
                                               7
##
       OCCUR_DATE POSS_TIME
                                     BEAT
                                             APT_OFFICE_PREFIX
## 11/17/2017: 110 8:00:00: 526 MIN.
                                           :101.0
                                                         :26213
## 10/7/2017 : 106 7:00:00 : 430 1st Qu.:208.0 APT : 314
## 8/19/2017 : 105 12:00:00: 426 Median :312.0 STE :
                                                             25
## 10/28/2017: 102 10:00:00: 376 MEAN :355.6 ROOM :
                                                             21
## 10/31/2017: 99 9:00:00: 376 3RD QU.:505.0 BLDG:
                                                             12
## (OTHER) :26232 16:00:00: 375
                                    MAX. :710.0 UNIT :
                                                            12
## NA's
        :
                5 (OTHER) :24250
                                                (OTHER): 162
## APT OFFICE NUM
                                              LOCATION
##
         : 142
## A : 120 3393 PEACHTREE RD NE @LENOX MALL : 140
```

```
## B : 108
               1275 CAROLINE ST NE @TARGET - CAROLINE : 136
## 1 : 61 3393 PEACHTREE RD NE
## 2 : 48 835 MARTIN L KING JR DR NW
## 5 : 46 2841 GREENBRIAR PKWY SW @GREENBRIAR MALL: 95
  (OTHER): 4243 (OTHER)
##
     MINOFUCR MINOFIBR_CODE
                           DISPO_CODE MAXOFNUM_VICTIMS
## MIN. :110.0 2305 :9024
                                :22959 MIN. : 0.00
## 1st Qu.:521.0 2404 :2774 10 : 2893 1st Qu.: 1.00
## MEDIAN:640.0 2303 :2486 20 : 632 MEDIAN: 1.00
## MEAN :598.8 2399 :1946 30 : 210 MEAN : 1.16
## 3RD QU.:660.0 2202 :1802 40 : 36 3RD QU.: 1.00
## MAX. :730.0 2308 :1381 60 : 20 MAX. :27.00
       (OTHER):7346 (OTHER): 9 NA'S :75
  SHIFT AVG.DAY
##
                         LOC TYPE
                                             UC2.LITERAL
## DAY:6882 SAT :3713 MIN. : 1.00 LARCENY-FROM VEHICLE:9840
## EVE :9151 SUN :3569 1st Ou.:13.00 LARCENY-NON VEHICLE :6589
## Morn:7014 Tue :3542 Median :18.00 AUTO THEFT
## UNK: 3712 WED: :3539 MEAN: :20.76 BURGLARY-RESIDENCE: 2635
##
           Mon :3492 3rd Qu.:20.00 AGG ASSAULT
           THU :3455 MAX. :99.00 ROBBERY-PEDESTRIAN :1126
##
          (OTHER):5449 NA'S :3344 (OTHER) :1348
##
           NEIGHBORHOOD
                      NPU
                                    X
            : 1828 M : 3077 MIN. :-84.55
## DOWNTOWN
## MIDTOWN
           : 1410 E : 2742 1st Ou.:-84.43
##
              : 1185 B : 2716 MEDIAN :-84.40
## OLD FOURTH WARD : 697 D : 1281 MEAN :-83.69
## LINDBERGH/MOROSGO: 595 V : 1281 3RD Qu.:-84.37
## WEST END : 571 T : 1140 MAX. : 0.00
## (OTHER) :20473 (OTHER):14522
##
## MIN. : 0.00
## 1st Qu.:33.73
## MEDIAN :33.76
## MEAN :33.47
## 3RD Qu.:33.79
## Max. :33.88
##
STR(COBRA YTD2017)
## 'DATA.FRAME': 26759 OBS. OF 23 VARIABLES:
## $ MI PRINX : INT 8924155 8924156 8924157 8924158 8924159 8924160
8924161 8924162 8924163 8924164 ...
## $ OFFENSE ID : NUM 1.74E+08 1.74E+08 1.74E+08 1.74E+08 ...
## $ RPT DATE : FACTOR W/ 365 LEVELS "1/1/2017","1/10/2017",..: 117 117 117
117 117 117 117 117 117 117 ...
## $ OCCUR DATE : FACTOR W/ 471 LEVELS "1/1/2008","1/1/2015",..: 174 145 174
```

```
174 176 174 176 176 174 176 ...
## $ OCCUR_TIME : FACTOR W/ 1355 LEVELS "","0:00:00","0:01:00",...: 955 290
883 763 43 940 112 2 2 2 ...
## $ POSS DATE : FACTOR W/ 412 LEVELS "1/1/2015","1/1/2017",..: 147 145 147
147 147 147 147 147 147 147 ...
## $ POSS_TIME : FACTOR W/ 1434 LEVELS "","0:00:00","0:01:00",...: 32 902 62
68 50 88 121 722 1024 1056 ...
           : INT 510 501 303 507 409 612 605 603 605 304 ...
## $ BEAT
## $ APT_OFFICE_NUM : FACTOR W/ 2044 LEVELS "", "#5", "]", "`", ...: 1 1 1 1 1 1 213 1
1 1372 ...
## $ LOCATION : FACTOR W/ 13865 LEVELS ": 565 MAIN ST NE",...: 9394 1133 10955
7860 5557 1525 8250 9706 9456 455 ...
## $ MINOFUCR : INT 640 640 640 640 650 311 640 640 531 ...
## $ MINOFIBR_CODE : FACTOR W/ 68 LEVELS "","1101","1101A",..: 51 51 51 51 50
30 51 51 42 ...
## $ DISPO CODE : FACTOR W/ 8 LEVELS "","10","20","30",..: 1 1 1 1 1 1 1 1 1 1
## $ MAXOFNUM VICTIMS : INT 2 1 1 1 2 1 1 1 1 1 ...
## $ SHIFT : FACTOR W/ 4 LEVELS "DAY", "EVE", "MORN", ..: 3 4 3 2 3 3 3 3 4 3
## $ AVG.DAY : FACTOR W/ 8 LEVELS "FRI", "MON", "SAT", ...: 3 7 3 3 4 4 4 4 3 4
## $ LOC TYPE : INT 13 13 18 18 18 18 26 18 13 26 ...
## $ UC2.LITERAL : FACTOR W/ 11 LEVELS "AGG ASSAULT",..: 6 6 6 6 6 6 6 6 6 4
## $ NEIGHBORHOOD : FACTOR W/ 239 LEVELS "", "ADAIR PARK",..: 80 117 145 64 3 83
103 164 103 175 ...
         : FACTOR W/ 26 LEVELS "", "A", "B", "C", ...: 14 6 22 14 19 23 23
## $ NPU
14 23 22 ...
## $ x
                : NUM -84.4 -84.4 -84.4 -84.5 ...
## $ Y
             : NUM 33.8 33.8 33.7 33.8 33.7 ...
LIBRARY(CAR)
## LOADING REQUIRED PACKAGE: CARDATA
FIT<-LM(BEAT~MINOFUCR+ MAXOFNUM_VICTIMS+LOC_TYPE+NEIGHBORHOOD+X+Y, DATA = COBRA_YTD2017)
FIT
##
## CALL:
## LM(FORMULA = BEAT ~ MINOFUCR + MAXOFNUM_VICTIMS + LOC_TYPE +
## NEIGHBORHOOD + X + Y, DATA = COBRA YTD2017)
##
## COEFFICIENTS:
                     (INTERCEPT)
```

##	3.088E+02
##	MINOFUCR
##	2.221E-02
##	MAXOFNUM_VICTIMS
##	-2.153E-01
##	LOC_TYPE
##	-1.020E-01
##	NEIGHBORHOODADAIR PARK
##	-5.594E+01
##	NEIGHBORHOODADAMS PARK
##	-1.071E+01
##	NEIGHBORHOOD ADAMS VILLE
##	-1.072E+02
##	NEIGHBORHOODALMOND PARK
##	-1.922E+02
##	NEIGHBORHOODAMAL HEIGHTS
##	-8.001E+01
##	NEIGHBORHOODANSLEY PARK
##	2.682E+02
##	NEIGHBORHOODARDEN/HABERSHAM
##	3.451E+01
##	NEIGHBORHOODARDMORE
##	-1.492E+01
##	NEIGHBORHOODARGONNE FOREST
##	3.535E+01
##	NEIGHBORHOODARLINGTON ESTATES
##	-9.771E+01
##	NEIGHBORHOODASHLEY COURTS
##	-4.434E+01
##	NEIGHBORHOODASHVIEW HEIGHTS
##	-2.293E+02
##	NEIGHBORHOODATKINS PARK
##	3.590E+02
##	NEIGHBORHOODATLANTA INDUSTRIAL PARK
##	-1.911E+02
##	NEIGHBORHOODATLANTA UNIVERSITY CENTER
##	-2.148E+02
##	NEIGHBORHOODATLANTIC STATION
##	2.518E+02
##	NEIGHBORHOODAUDOBON FOREST
##	4.003E+00
##	NEIGHBORHOODAUDOBON FOREST WEST
##	-1.011E+01
##	NEIGHBORHOODBAKER HILLS
##	2.365E+01
##	NEIGHBORHOODBAKERS FERRY

##	3.247E+00
##	NEIGHBORHOODBANKHEAD
##	-1.978E+02
##	NEIGHBORHOODBANKHEAD/BOLTON
##	-2.120E+02
##	NEIGHBORHOODBEECHER HILLS
##	1.716E+01
##	NEIGHBORHOODBEN HILL
##	-1.239E+02
##	NEIGHBORHOODBEN HILL ACRES
##	-8.011E+01
##	NEIGHBORHOODBEN HILL FOREST
##	-1.018E+02
##	NEIGHBORHOODBEN HILL PINES
##	-9.275E+01
##	NEIGHBORHOODBEN HILL TERRACE
##	-7.799E+01
##	NEIGHBORHOODBENTEEN PARK
##	2.536E+02
##	NEIGHBORHOODBERKELEY PARK
##	-3.422E+01
##	NEIGHBORHOODBETMAR LAVILLA
##	-8.306E+01
##	NEIGHBORHOODBLAIR VILLA/POOLE CREEK
##	-1.533E+02
##	NEIGHBORHOODBLANDTOWN
##	-5.819E+01
##	NEIGHBORHOODBOLTON
##	-3.747E+01
##	NEIGHBORHOODBOLTON HILLS
##	-1.732E+02
##	NEIGHBORHOODBOULDER PARK
##	-2.017E+00
##	NEIGHBORHOODBOULEVARD HEIGHTS
##	2.708E+02
##	NEIGHBORHOODBRANDON
##	-5.773E+00
##	NEIGHBORHOODBRENTWOOD
##	-1.044E+02
##	NEIGHBORHOODBRIAR GLEN
##	-6.678E+01
##	NEIGHBORHOODBROOKHAVEN
##	1.103E+02
##	NEIGHBORHOODBROOKVIEW HEIGHTS
##	-2.056E+02
##	NEIGHBORHOODBROOKWOOD

##	-1.984E+01
##	NEIGHBORHOODBROOKWOOD HILLS
##	-1.158E+01
##	NETGHBORHOODBROWNS MILL PARK
##	-1.083E+02
##	NETGHBORHOODBUCKHEAD FOREST
##	6.822E+01
##	NETGHBORHOODBUCKHEAD HETGHTS
	8.416E+01
## ##	NEIGHBORHOODBUCKHEAD VILLAGE
##	5.630E+01
	<b>51050</b> 2102
##	NEIGHBORHOODBUSH MOUNTAIN
##	2.443E+01
##	NEIGHBORHOODBUTNER/TELL
##	-1.055E+02
##	NEIGHBORHOODCABBAGETOWN
##	3.089E+02
##	NEIGHBORHOODCAMPBELLTON ROAD
##	-2.648E+01
##	NEIGHBORHOODCANDLER PARK
##	3.534E+02
##	NEIGHBORHOODCAPITOL GATEWAY
##	2.862E+02
##	NEIGHBORHOODCAPITOL VIEW
##	-8.205E+01
##	NEIGHBORHOODCAPITOL VIEW MANOR
##	-7.716E+01
##	NEIGHBORHOODCAREY PARK
##	-1.900E+02
##	NEIGHBORHOODCARROLL HEIGHTS
##	-2.290E+02
##	NEIGHBORHOODCARVER HILLS
##	-1.664E+02
##	NEIGHBORHOODCASCADE AVENUE/ROAD
##	1.491E+01
##	NEIGHBORHOODCASCADE GREEN
##	-3.778E+01
##	NEIGHBORHOODCASCADE HEIGHTS
##	-1.374E+01
##	NEIGHBORHOODCASTLEBERRY HILL
##	1.847E+02
##	NEIGHBORHOODCASTLEWOOD
##	2.267E+01
##	NEIGHBORHOODCENTER HILL
##	-2.125E+02
##	NEIGHBORHOODCHALET WOODS

##	3.127E+01
##	NEIGHBORHOODCHANNING VALLEY
##	-2.311E+01
##	NEIGHBORHOODCHASTAIN PARK
##	9.584E+01
##	NEIGHBORHOODCHOSEWOOD PARK
##	-4.798E+01
##	NEIGHBORHOODCOLLIER HEIGHTS
##	-2.200E+02
##	NEIGHBORHOODCOLLIER HILLS
##	-1.576E+01
##	NEIGHBORHOODCOLLIER HILLS NORTH
##	-7.174E+00
##	NEIGHBORHOODCOLONIAL HOMES
##	-1.751E+00
##	NEIGHBORHOODCROSS CREEK
##	-1.726E+01
##	NEIGHBORHOODCUSTER/McDonough/GUICE
##	2.544E+02
##	NEIGHBORHOODDEERWOOD
##	-9.579E+01
##	NEIGHBORHOODDIXIE HILLS
##	-2.329E+02
##	NEIGHBORHOODDOWNTOWN
##	2.113E+02
##	NEIGHBORHOODDRUID HILLS
##	3.727E+02
##	NEIGHBORHOODEAST ARDLEY ROAD
##	-1.065E+01
##	NEIGHBORHOODEAST ATLANTA
##	3.081E+02
##	NEIGHBORHOODEAST CHASTAIN PARK
##	1.171E+02
##	NEIGHBORHOODEAST LAKE
##	3.528E+02
##	NEIGHBORHOODEDGEWOOD
##	3.384E+02
##	NEIGHBORHOODELMCO ESTATES
##	-9.468E+01
##	NEIGHBORHOODENGLISH AVENUE
##	-1.822E+02
##	NEIGHBORHOODENGLISH PARK
##	-1.962E+02
##	NEIGHBORHOODFAIRBURN
##	-8.784E+01
##	NEIGHBORHOODFAIRBURN HEIGHTS

##	-2.392E+02
##	NEIGHBORHOODFAIRBURN MAYS
##	-2.608E-01
##	NEIGHBORHOODFAIRBURN ROAD/WISTERIA LANE
##	1.013E+01
##	NEIGHBORHOODFAIRBURN TELL
##	-9.799E+01
##	NEIGHBORHOODFAIRWAY ACRES
##	-1.051E+02
##	NEIGHBORHOOD <b>F</b> ERNLEAF
##	-2.435E+01
##	NEIGHBORHOODFLORIDA HEIGHTS
##	-1.341E+02
##	NEIGHBORHOODFORT McPHERSON
##	-1.178E+00
##	NEIGHBORHOODFORT VALLEY
##	-1.903E+01
##	NEIGHBORHOODGARDEN HILLS
##	4.575E+01
##	NEIGHBORHOODGEORGIA TECH
##	2.323E+02
##	NEIGHBORHOODGLENROSE HEIGHTS
##	-1.316E+02
##	NEIGHBORHOODGRANT PARK
##	2.886E+02
##	NEIGHBORHOODGREEN ACRES VALLEY
##	-1.467E+01
##	NEIGHBORHOODGREEN FOREST ACRES
##	-8.231E+00
##	NEIGHBORHOODGREENBRIAR
##	-8.013E+01
##	NEIGHBORHOODGREENBRIAR VILLAGE
##	-7.815E+01
##	NEIGHBORHOODGROVE PARK
##	-2.037E+02
##	NEIGHBORHOODHAMMOND PARK
##	-1.334E+02
##	NEIGHBORHOODHANOVER WEST
##	-1.605E+01
##	NEIGHBORHOODHARLAND TERRACE
##	3.398E+00
##	NEIGHBORHOODHARRIS CHILES
##	-2.319E+02
##	NEIGHBORHOODHARVEL HOMES COMMUNITY
##	-2.362E+02
##	NEIGHBORHOODHERITAGE VALLEY

##	-5.375E+01
##	NEIGHBORHOODHIGH POINT
##	-6.895E+01
##	NEIGHBORHOODHILLS PARK
##	-5.258E+01
##	NEIGHBORHOODHOME PARK
##	2.364E+02
##	NEIGHBORHOODHORSESHOE COMMUNITY
##	-2.681E+01
##	NEIGHBORHOODHUNTER HILLS
##	-2.145E+02
##	NEIGHBORHOODHUNTINGTON
##	-1.373E+02
##	NEIGHBORHOODINMAN PARK
##	3.329E+02
##	NEIGHBORHOODIVAN HILL
##	1.963E+01
##	NEIGHBORHOODJOYLAND
##	-7.231E+01
##	NEIGHBORHOODJUST US
##	-2.265E+02
##	NEIGHBORHOODKINGS FOREST
##	-7.272E+01
##	NEIGHBORHOODKINGSWOOD
##	4.664E+01
##	NEIGHBORHOODKIRKWOOD
##	3.499E+02
##	NEIGHBORHOODKNIGHT PARK/HOWELL STATION
##	-1.739E+02
##	NEIGHBORHOODLAKE CLAIRE
##	3.634E+02
##	NEIGHBORHOODLAKE ESTATES -1.091e+02
##	
##	NEIGHBORHOODLAKEWOOD -8.625e+01
##	NEIGHBORHOODLAKEWOOD HEIGHTS
##	-7.485E+01
##	NETGHBORHOOD LAURENS VALLEY
##	-3.553E+01
##	NETGHBORHOODLETLA VALLEY
##	-8.211E+01
##	NEIGHBORHOODLENOX
##	8.408E+01
##	NEIGHBORHOODLINCOLN HOMES
##	-1.737E+02
##	NEIGHBORHOODLINDBERGH/MOROSGO
ππ	METOLIDOVIDODETINDEKOU LIOKO300

##	4.112E+01
##	NEIGHBORHOODLINDRIDGE/MARTIN MANOR
##	4.212E+01
##	NEIGHBORHOODLORING HEIGHTS
##	-3.741E+01
##	NEIGHBORHOODMAGNUM MANOR
##	-1.892E+01
##	NEIGHBORHOODMARGARET MITCHELL
##	-3.024E+00
##	NEIGHBORHOODMARIETTA STREET ARTERY
##	2.257E+02
##	NEIGHBORHOODMAYS
##	8.219E+00
##	NEIGHBORHOODMEADOWBROOK FOREST
##	-7.720E+01
##	NEIGHBORHOODMECHANICSVILLE
##	-3.398E+01
##	NEIGHBORHOODMELLWOOD
##	-2.445E+02
##	NEIGHBORHOODMEMORIAL PARK
##	-4.356E+00
##	NEIGHBORHOODMIDTOWN
##	2.483E+02
##	NEIGHBORHOODMIDWEST CASCADE
##	-3.968E+01
##	NEIGHBORHOODMONROE HEIGHTS
##	-1.826E+02
##	NEIGHBORHOODMORNINGSIDE/LENOX PARK
##	1.177E+01
##	NEIGHBORHOODMOZLEY PARK
##	-2.374E+02
##	NEIGHBORHOODMT. GILEAD WOODS
##	-6.112E+01
##	NEIGHBORHOODMT. PARAN PARKWAY
##	8.077E+01
##	NEIGHBORHOODMT. PARAN/NORTHSIDE
##	7.260E+01
##	NEIGHBORHOODNISKEY COVE
##	-6.749E+01
##	NEIGHBORHOODNISKEY LAKE
##	-5.861E+01
##	NEIGHBORHOODNORTH BUCKHEAD
##	8.552E+01
##	NEIGHBORHOODNORWOOD MANOR
##	-7.743E+01
##	NEIGHBORHOOD OAKCLIFF

##	-2.579E+02
##	NEIGHBORHOOD <b>O</b> AKLAND
##	2.976E+02
##	NEIGHBORHOODOAKLAND CITY
##	1.604E+01
##	NEIGHBORHOODOLD FAIRBURN VILLAGE
##	-4.514E+01
##	NEIGHBORHOODOLD FOURTH WARD
##	3.293E+02
##	NEIGHBORHOODOLD GORDON
##	-2.503E+02
##	NEIGHBORHOODORCHARD KNOB
##	-1.258E+02
##	NEIGHBORHOODORMEWOOD PARK
##	2.985E+02
##	NEIGHBORHOODPACES
##	2.661E+01
##	NEIGHBORHOODPEACHTREE BATTLE ALLIANCE
##	6.536E+00
##	NEIGHBORHOODPEACHTREE HEIGHTS EAST
##	3.028E+01
##	NEIGHBORHOODPEACHTREE HEIGHTS WEST
##	4.196E+01
##	NEIGHBORHOODPEACHTREE HILLS
##	2.127E+01
##	NEIGHBORHOODPEACHTREE PARK
##	6.859E+01
##	NEIGHBORHOODPENELOPE NEIGHBORS
##	-2.376E+02
##	NEIGHBORHOODPEOPLESTOWN
##	-4.417E+01
##	NEIGHBORHOODPERKERSON
##	-1.263E+02
##	NEIGHBORHOODPEYTON FOREST
##	2.126E+01
##	NEIGHBORHOODPIEDMONT HEIGHTS
##	7.225E+00
##	NEIGHBORHOODPINE HILLS
##	6.717E+01
##	NEIGHBORHOODPITTSBURGH
##	-5.171E+01
##	NEIGHBORHOODPLEASANT HILL
##	3.884E+01
##	NEIGHBORHOODPOLAR ROCK
##	-9.784E+01
##	NEIGHBORHOODPOMONA PARK

##	-1.539E+01
##	NEIGHBORHOODPONCEY-HIGHLAND
##	3.494E+02
##	NEIGHBORHOODPRINCETON LAKES
##	-1.367F+02
##	NEIGHBORHOODRANDALL MILL
##	3.644E+01
##	NETGHBORHOODREBEL VALLEY FOREST
##	-8.822E+01
##	NEIGHBORHOODREYNOLDSTOWN
##	3.229E+02
##	NEIGHBORHOODRIDGECREST FOREST
##	-3.635E-01
##	NEIGHBORHOODRIDGEDALE PARK
##	9.914E+01
##	NEIGHBORHOODRIDGEWOOD HEIGHTS
##	-2.189E+01
##	NEIGHBORHOODRIVERSIDE
##	-6.176E+01
##	NEIGHBORHOODROCKDALE
##	-1.745E+02
##	NEIGHBORHOODROSEDALE HEIGHTS
##	-1.086E+02
##	NEIGHBORHOODRUE ROYAL
##	-8.399E+01
##	NEIGHBORHOODSANDLEWOOD ESTATES
##	-8.392E+01
##	NEIGHBORHOODSCOTTS CROSSING
##	-1.555E+02
##	NEIGHBORHOODSHERWOOD FOREST
##	2.850E+02
##	NEIGHBORHOODSOUTH ATLANTA
##	-5.961E+01
##	NEIGHBORHOODSOUTH RIVER GARDENS
##	-1.296E+02
##	NEIGHBORHOODSOUTH TUXEDO PARK
##	5.620E+01
##	NEIGHBORHOODSOUTHWEST
##	-5.395E+01
##	NEIGHBORHOODSPRINGLAKE
##	-1.311E+01
##	NEIGHBORHOODSUMMERHILL
##	-2.700E+01
##	NEIGHBORHOODSWALLOW CIRCLE/BAYWOOD
##	-9.609E+01
##	NEIGHBORHOODSWEET AUBURN

##	3.076E+02
##	NEIGHBORHOODSYLVAN HILLS
##	-1.025E+02
##	NEIGHBORHOODTAMPA PARK
##	-1.020E+02
##	NEIGHBORHOODTHE VILLAGES AT CARVER
##	-6.709E+01
##	NEIGHBORHOODTHE VILLAGES AT CASTLEBERRY H
##	-2.192E+02
##	NEIGHBORHOODTHE VILLAGES AT EAST LAKE
##	3.413E+02
##	NEIGHBORHOODTHOMASVILLE HEIGHTS
##	-5.676E+01
##	NEIGHBORHOODTUXEDO PARK
##	7.015E+01
##	NEIGHBORHOODUNDERWOOD HILLS
##	-3.568E+01
##	NEIGHBORHOODVENETIAN HILLS
##	2.570E+00
##	NEIGHBORHOODVINE CITY
##	-2.103E+02
##	NEIGHBORHOODVIRGINIA HIGHLAND
##	3.581E+02
##	NEIGHBORHOODWASHINGTON PARK
##	-2.107E+02
##	NEIGHBORHOODWESLEY BATTLE
##	-7.726E+00
##	NEIGHBORHOODWEST END
##	3.430E+01
##	NEIGHBORHOODWEST HIGHLANDS
##	-1.699E+02
##	NEIGHBORHOODWEST LAKE
##	-2.236E+02
##	NEIGHBORHOODWEST MANOR
##	-1.777E+00
##	NEIGHBORHOODWEST PACES FERRY/NORTHSIDE
##	4.484E+01
##	NEIGHBORHOODWESTHAVEN
##	-2.468E+02
##	NEIGHBORHOODWESTMINSTER/MILMAR
##	1.349E+01
##	NEIGHBORHOODWESTOVER PLANTATION
##	-1.964E+01
##	NEIGHBORHOODWESTVIEW
##	4.217E+01
##	NEIGHBORHOODWESTWOOD TERRACE
πĦ	METAUDONUOODMES I MOOD I EKKACE

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##
                               3.232E+01
##
              NEIGHBORHOODWHITEWATER CREEK
##
                               6.154E+01
##
          NEIGHBORHOODWHITTIER MILL VILLAGE
##
                              -6.355E+01
##
              NEIGHBORHOODWILDWOOD (NPU-C)
##
                              -2.229E+01
              NEIGHBORHOODWILDWOOD (NPU-H)
##
                               7.433E-01
##
##
               NEIGHBORHOODWILDWOOD FOREST
##
                              -1.140E+02
##
            NEIGHBORHOODWILSON MILL MEADOWS
##
                               1.149E+01
##
              NEIGHBORHOODWISTERIA GARDENS
##
                               2.528E+01
##
                    NEIGHBORHOODWOODFIELD
##
                               1.398E+00
##
                NEIGHBORHOODWOODLAND HILLS
##
                               2.733E+02
##
                      NEIGHBORHOODWYNGATE
##
                               2.482E+01
##
##
                              -6.831E+02
##
##
                              -1.708E+03
SUMMARY(FIT)
##
## CALL:
## LM(FORMULA = BEAT ~ MINOFUCR + MAXOFNUM VICTIMS + LOC TYPE +
## NEIGHBORHOOD + X + Y, DATA = COBRA YTD2017)
##
## RESIDUALS:
               1Q MEDIAN 3Q MAX
      MIN
## -529.44 -5.40 0.22 6.06 414.65
##
## COEFFICIENTS:
##
                                          ESTIMATE STD. ERROR T VALUE
## (INTERCEPT)
                                          3.088E+02 3.606E+00 85.642
## MINOFUCR
                                         2.221E-02 2.590E-03 8.575
## MAXOFNUM_VICTIMS
                                         -2.153E-01 3.911E-01 -0.550
                                        -1.020E-01 1.629E-02 -6.258
## LOC TYPE
                                        -5.594E+01 3.485E+00 -16.050
## NEIGHBORHOODADAIR PARK
## NEIGHBORHOODADAMS PARK
                                        -1.071E+01 5.388E+00 -1.988
                                        -1.072E+02 3.165E+00 -33.883
## NEIGHBORHOODADAMSVILLE
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##	NEIGHBORHOODALMOND PARK	-1.922E+02	6.025E+00	-31.892
##	NEIGHBORHOODAMAL HEIGHTS	-8.001E+01	8.495E+00	-9.419
##	NEIGHBORHOODANSLEY PARK	2.682E+02	5.615E+00	47.761
##	NEIGHBORHOODARDEN/HABERSHAM	3.451E+01	1.775E+01	1.945
##	NEIGHBORHOODARDMORE	-1.492E+01	7.784E+00	-1.917
##	NEIGHBORHOODARGONNE FOREST	3.535E+01	1.409E+01	2.509
##	NEIGHBORHOODARLINGTON ESTATES	-9.771E+01	8.997E+00	-10.860
##	NEIGHBORHOODASHLEY COURTS	-4.434E+01		-7.237
##	NEIGHBORHOODASHVIEW HEIGHTS	-2.293E+02	3.854E+00	-59.512
##	NEIGHBORHOODATKINS PARK	3.590E+02	2.281E+01	15.739
##	NEIGHBORHOODATLANTA INDUSTRIAL PARK	-1.911E+02	8.154E+00	-23.430
##	NEIGHBORHOODATLANTA UNIVERSITY CENTER	-2.148E+02	4.086E+00	-52.588
##	NEIGHBORHOODATLANTIC STATION		3.440E+00	
##	NEIGHBORHOODAUDOBON FOREST	4.003E+00	9.935E+00	0.403
	NEIGHBORHOODAUDOBON FOREST WEST	-1.011E+01		
##	NEIGHBORHOODBAKER HILLS	2.365E+01	7.551E+00	
##	NEIGHBORHOODBAKERS FERRY	3.247E+00		0.184
	NEIGHBORHOODBANKHEAD	-1.978E+02		
	NEIGHBORHOODBANKHEAD/BOLTON	-2.120E+02		
	NEIGHBORHOODBEECHER HILLS	1.716E+01		1.560
	NEIGHBORHOODBEN HILL	-1.239E+02		
##	NEIGHBORHOODBEN HILL ACRES	-8.011E+01		-9.938
	NEIGHBORHOODBEN HILL FOREST	-1.018E+02		
	NEIGHBORHOODBEN HILL PINES	-9.275E+01		-5.730
##	NEIGHBORHOODBEN HILL TERRACE	-7.799E+01		
##	NEIGHBORHOODBENTEEN PARK	2.536E+02		38.959
	NEIGHBORHOODBERKELEY PARK	-3.422E+01		
	NEIGHBORHOODBETMAR LAVILLA	-8.306E+01		-14.114
##	NEIGHBORHOODBLAIR VILLA/POOLE CREEK		5.487E+00	
	NEIGHBORHOODBLANDTOWN	-5.819E+01		
##	NEIGHBORHOODBOLTON	-3.747E+01		
	NEIGHBORHOODBOLTON HILLS	-1.732E+02		
	NEIGHBORHOODBOULDER PARK	-2.017E+00	1.614E+01	-0.125
	NEIGHBORHOODBOULEVARD HEIGHTS	2.708E+02	6.281E+00	43.112
	NEIGHBORHOODBRANDON	-5.773E+00		-0.501
	NEIGHBORHOODBRENTWOOD	-1.044E+02		-6.955
	NEIGHBORHOODBRIAR GLEN	-6.678E+01		-4.130
	NEIGHBORHOODBROOKHAVEN	1.103E+02	1.273E+01	8.662
	NEIGHBORHOODBROOKVIEW HEIGHTS	-2.056E+02		-26.727
	NEIGHBORHOODBROOKWOOD	-1.984E+01	7.172E+00	-2.766
	NEIGHBORHOODBROOKWOOD HILLS	-1.158E+01		-1.927
	NEIGHBORHOODBROWNS MILL PARK	-1.083E+02		-27.692
	NEIGHBORHOODBUCKHEAD FOREST	6.822E+01		17.195
	NEIGHBORHOODBUCKHEAD HEIGHTS	8.416E+01	6.912E+00	12.176
	NEIGHBORHOODBUCKHEAD VILLAGE	5.630E+01		14.866
##	NEIGHBORHOODBUSH MOUNTAIN	2.443E+01	8.318E+00	2.937

##	NEIGHBORHOODBUTNER/TELL	-1.055E+02	2.283E+01	-4.622
##	NEIGHBORHOODCABBAGETOWN	3.089E+02	5.968E+00	51.762
##	NEIGHBORHOODCAMPBELLTON ROAD	-2.648E+01	3.154E+00	-8.394
##	NEIGHBORHOODCANDLER PARK	3.534E+02	3.686E+00	95.885
##	NEIGHBORHOODCAPITOL GATEWAY	2.862E+02	6.367E+00	44.945
##	NEIGHBORHOODCAPITOL VIEW	-8.205E+01	3.850E+00	-21.314
##	NEIGHBORHOODCAPITOL VIEW MANOR	-7.716E+01	8.688E+00	-8.880
##	NEIGHBORHOODCAREY PARK	-1.900E+02	4.688E+00	-40.532
##	NEIGHBORHOODCARROLL HEIGHTS	-2.290E+02	6.685E+00	-34.257
##	NEIGHBORHOODCARVER HILLS	-1.664E+02	7.586E+00	-21.934
##	NEIGHBORHOODCASCADE AVENUE/ROAD	1.491E+01	3.650E+00	4.084
##	NEIGHBORHOODCASCADE GREEN	-3.778E+01	1.616E+01	-2.338
##	NEIGHBORHOODCASCADE HEIGHTS	-1.374E+01	4.688E+00	-2.932
##	NEIGHBORHOODCASTLEBERRY HILL	1.847E+02	2.698E+00	68.487
##	NEIGHBORHOODCASTLEWOOD	2.267E+01	1.621E+01	1.398
##	NEIGHBORHOODCENTER HILL	-2.125E+02	3.223E+00	-65.940
##	NEIGHBORHOODCHALET WOODS	3.127E+01	1.974E+01	1.584
##	NEIGHBORHOODCHANNING VALLEY	-2.311E+01	7.515E+00	-3.075
##	NEIGHBORHOODCHASTAIN PARK	9.584E+01	8.971E+00	10.684
##	NEIGHBORHOODCHOSEWOOD PARK	-4.798E+01	4.335E+00	-11.068
	NETCURORUGOR COLL TER LIFTCUTS	-2.200E+02	2.884E+00	-76.292
##	NEIGHBORHOODCOLLIER HEIGHTS	-2.2001-02	2.0041.00	, , , , , ,
	NEIGHBORHOODCOLLIER HEIGHTS NEIGHBORHOODCOLLIER HILLS	-1.576E+01	1.107E+01	-1.424
##				
## ##	NEIGHBORHOODCOLLIER HILLS	-1.576E+01	1.107E+01	-1.424
## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH	-1.576E+01 -7.174E+00	1.107E+01 2.793E+01	-1.424 -0.257
## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES	-1.576E+01 -7.174E+00 -1.751E+00	1.107E+01 2.793E+01 1.772E+01 9.716E+00	-1.424 -0.257 -0.099
## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01	1.107E+01 2.793E+01 1.772E+01 9.716E+00	-1.424 -0.257 -0.099 -1.776
## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00	-1.424 -0.257 -0.099 -1.776 57.784
## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392
## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621
## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187
## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/McDonough/Guice NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587
## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635
## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446
## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446
## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446
## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCROSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEGEWOOD NEIGHBORHOODEDGEWOOD NEIGHBORHOODELMCO ESTATES NEIGHBORHOODENGLISH AVENUE	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058
## ## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEAST LAKE NEIGHBORHOODEDGEWOOD NEIGHBORHOODELMCO ESTATES NEIGHBORHOODENGLISH AVENUE NEIGHBORHOODENGLISH PARK	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01 -1.822E+02 -1.962E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01 2.800E+00 9.647E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058 -20.340
## ## ## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEGEWOOD NEIGHBORHOODEGEWOOD NEIGHBORHOODELMCO ESTATES NEIGHBORHOODENGLISH AVENUE NEIGHBORHOODENGLISH PARK NEIGHBORHOODENGLISH PARK	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01 -1.822E+02 -1.962E+02 -8.784E+01	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01 2.800E+00 9.647E+00 8.072E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058 -20.340 -10.882
## ## ## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEAST LAKE NEIGHBORHOODEGEWOOD NEIGHBORHOODEDGEWOOD NEIGHBORHOODENGLISH AVENUE NEIGHBORHOODENGLISH PARK NEIGHBORHOODFAIRBURN NEIGHBORHOODFAIRBURN	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01 -1.822E+02 -1.962E+02 -8.784E+01 -2.392E+02	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01 2.800E+00 9.647E+00 8.072E+00 5.658E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058 -20.340 -10.882 -42.277
## ## ## ## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEAST LAKE NEIGHBORHOODEDGEWOOD NEIGHBORHOODELMCO ESTATES NEIGHBORHOODENGLISH AVENUE NEIGHBORHOODENGLISH PARK NEIGHBORHOODFAIRBURN NEIGHBORHOODFAIRBURN HEIGHTS NEIGHBORHOODFAIRBURN HEIGHTS	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01 -1.822E+02 -1.962E+02 -8.784E+01 -2.392E+02 -2.608E-01	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01 2.800E+00 9.647E+00 8.072E+00 4.187E+00	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058 -20.340 -10.882 -42.277 -0.062
## ## ## ## ## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDEERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEAST LAKE NEIGHBORHOODEGEWOOD NEIGHBORHOODEIGLISH AVENUE NEIGHBORHOODENGLISH AVENUE NEIGHBORHOODFAIRBURN NEIGHBORHOODFAIRBURN NEIGHBORHOODFAIRBURN HEIGHTS NEIGHBORHOODFAIRBURN MAYS NEIGHBORHOODFAIRBURN ROAD/WISTERIA LANE	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01 -1.822E+02 -1.962E+02 -8.784E+01 -2.392E+02 -2.608E-01 1.013E+01	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01 2.800E+00 9.647E+00 8.072E+00 4.187E+00 1.495E+01	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058 -20.340 -10.882 -42.277 -0.062 0.677
## ## ## ## ## ## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEAST LAKE NEIGHBORHOODEGEWOOD NEIGHBORHOODEIGLISH AVENUE NEIGHBORHOODENGLISH AVENUE NEIGHBORHOODFAIRBURN NEIGHBORHOODFAIRBURN HEIGHTS NEIGHBORHOODFAIRBURN MAYS NEIGHBORHOODFAIRBURN ROAD/WISTERIA LANE NEIGHBORHOODFAIRBURN ROAD/WISTERIA LANE	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01 -1.822E+02 -1.962E+02 -8.784E+01 -2.392E+02 -2.608E-01 1.013E+01 -9.799E+01	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01 2.800E+00 9.647E+00 8.072E+00 4.187E+00 1.495E+01 3.945E+01	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058 -20.340 -10.882 -42.277 -0.062 0.677 -2.484
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## ## ## ## ## ## ## ## ## ## ## ## ##	NEIGHBORHOODCOLLIER HILLS NEIGHBORHOODCOLLIER HILLS NORTH NEIGHBORHOODCOLONIAL HOMES NEIGHBORHOODCOSS CREEK NEIGHBORHOODCUSTER/MCDONOUGH/GUICE NEIGHBORHOODDERWOOD NEIGHBORHOODDIXIE HILLS NEIGHBORHOODDOWNTOWN NEIGHBORHOODDRUID HILLS NEIGHBORHOODEAST ARDLEY ROAD NEIGHBORHOODEAST ATLANTA NEIGHBORHOODEAST CHASTAIN PARK NEIGHBORHOODEAST LAKE NEIGHBORHOODEAST LAKE NEIGHBORHOODEGEWOOD NEIGHBORHOODEIGLISH AVENUE NEIGHBORHOODENGLISH AVENUE NEIGHBORHOODFAIRBURN NEIGHBORHOODFAIRBURN HEIGHTS NEIGHBORHOODFAIRBURN MAYS NEIGHBORHOODFAIRBURN ROAD/WISTERIA LANE NEIGHBORHOODFAIRBURN ROAD/WISTERIA LANE	-1.576E+01 -7.174E+00 -1.751E+00 -1.726E+01 2.544E+02 -9.579E+01 -2.329E+02 2.113E+02 3.727E+02 -1.065E+01 3.081E+02 1.171E+02 3.528E+02 3.384E+02 -9.468E+01 -1.822E+02 -1.962E+02 -8.784E+01 -2.392E+02 -2.608E-01 1.013E+01 -9.799E+01	1.107E+01 2.793E+01 1.772E+01 9.716E+00 4.403E+00 9.218E+00 4.114E+00 1.675E+00 7.058E+00 2.279E+01 2.643E+00 7.042E+00 3.620E+00 2.413E+00 1.001E+01 2.800E+00 9.647E+00 8.072E+00 4.187E+00 1.495E+01 1.619E+01 1.618E+01	-1.424 -0.257 -0.099 -1.776 57.784 -10.392 -56.621 126.187 52.809 -0.467 116.587 16.635 97.446 140.246 -9.454 -65.058 -20.340 -10.882 -42.277 -0.062 0.677 -2.484

##	NEIGHBORHOODFORT MCPHERSON	-1.178E+00	2.790E+01	-0.042
##	NEIGHBORHOODFORT VALLEY	-1.903E+01	6.628E+00	-2.871
##	NEIGHBORHOODGARDEN HILLS	4.575E+01	4.233E+00	10.810
##	NEIGHBORHOODGEORGIA TECH	2.323E+02	2.791E+01	8.325
##	NEIGHBORHOODGLENROSE HEIGHTS	-1.316E+02	3.279E+00	-40.127
##	NEIGHBORHOODGRANT PARK	2.886E+02	2.533E+00	113.945
##	NEIGHBORHOODGREEN ACRES VALLEY	-1.467E+01	1.768E+01	-0.830
##	NEIGHBORHOODGREEN FOREST ACRES	-8.231E+00	1.400E+01	-0.588
##	NEIGHBORHOODGREENBRIAR	-8.013E+01	2.670E+00	-30.016
##	NEIGHBORHOODGREENBRIAR VILLAGE	-7.815E+01	1.404E+01	-5.568
##	NEIGHBORHOODGROVE PARK	-2.037E+02	2.677E+00	-76.086
##	NEIGHBORHOODHAMMOND PARK	-1.334E+02	3.487E+00	-38.266
##	NEIGHBORHOODHANOVER WEST	-1.605E+01	1.771E+01	-0.906
##	NEIGHBORHOODHARLAND TERRACE	3.398E+00	3.053E+00	1.113
##	NEIGHBORHOODHARRIS CHILES	-2.319E+02	5.321E+00	-43.571
##	NEIGHBORHOODHARVEL HOMES COMMUNITY	-2.362E+02	2.790E+01	-8.467
##	NEIGHBORHOODHERITAGE VALLEY	-5.375E+01	9.971E+00	-5.391
##	NEIGHBORHOODHIGH POINT	-6.895E+01	9.639E+00	-7.153
##	NEIGHBORHOODHILLS PARK	-5.258E+01	4.836E+00	-10.874
##	NEIGHBORHOODHOME PARK	2.364E+02	2.476E+00	95.492
##	NEIGHBORHOODHORSESHOE COMMUNITY	-2.681E+01	2.790E+01	-0.961
##	NEIGHBORHOODHUNTER HILLS	-2.145E+02	3.777E+00	-56.789
##	NEIGHBORHOODHUNTINGTON	-1.373E+02	2.285E+01	-6.008
##	NEIGHBORHOODINMAN PARK	3.329E+02	2.612E+00	127.487
##	NEIGHBORHOODIVAN HILL	1.963E+01	1.252E+01	1.567
##	NEIGHBORHOODJOYLAND	-7.231E+01	7.081E+00	-10.211
	NEIGHBORHOODJUST US	-2.265E+02	3.943E+01	-5.744
##	NEIGHBORHOODKINGS FOREST	-7.272E+01	5.710E+00	-12.736
##	NEIGHBORHOODKINGSWOOD	4.664E+01	2.795E+01	1.668
	NEIGHBORHOODKIRKWOOD	3.499E+02	3.518E+00	99.454
	NEIGHBORHOODKNIGHT PARK/HOWELL STATION	-1.739E+02	7.008E+00	-24.816
	NEIGHBORHOODLAKE CLAIRE	3.634E+02	5.913E+00	61.455
	NEIGHBORHOODLAKE ESTATES	-1.091E+02	3.947E+01	-2.764
	NEIGHBORHOODLAKEWOOD	-8.625E+01	6.602E+00	-13.064
	NEIGHBORHOODLAKEWOOD HEIGHTS	-7.485E+01		-28.855
	NEIGHBORHOODLAURENS VALLEY	-3.553E+01		-1.273
	NEIGHBORHOODLEILA VALLEY	-8.211E+01	6.008E+00	-13.666
	NEIGHBORHOODLENOX	8.408E+01	3.095E+00	27.168
	NEIGHBORHOODLINCOLN HOMES		8.004E+00	-21.695
	NEIGHBORHOODLINDBERGH/MOROSGO		2.714E+00	15.147
	NEIGHBORHOODLINDRIDGE/MARTIN MANOR		3.498E+00	12.041
	NEIGHBORHOODLORING HEIGHTS	-3.741E+01		-10.321
	NEIGHBORHOODMAGNUM MANOR	-1.892E+01	1.321E+01	-1.433
	NEIGHBORHOODMARGARET MITCHELL		1.620E+01	-0.187
	NEIGHBORHOODMARIETTA STREET ARTERY		3.741E+00	60.326
##	NEIGHBORHOODMAYS	8.219E+00	5.288E+00	1.554

##	NEIGHBORHOODMEADOWBROOK FOREST	-7.720E+01	1.200E+01	-6.434
##	NEIGHBORHOODMECHANICSVILLE	-3.398E+01	2.337E+00	-14.540
##	NEIGHBORHOODMELLWOOD	-2.445E+02	2.792E+01	-8.758
##	NEIGHBORHOODMEMORIAL PARK	-4.356E+00	2.793E+01	-0.156
##	NEIGHBORHOODMIDTOWN	2.483E+02	1.929E+00	128.724
##	NEIGHBORHOODMIDWEST CASCADE	-3.968E+01	6.914E+00	-5.739
##	NEIGHBORHOODMONROE HEIGHTS	-1.826E+02	6.535E+00	-27.947
##	NEIGHBORHOODMORNINGSIDE/LENOX PARK	1.177E+01	2.927E+00	4.023
##	NEIGHBORHOODMOZLEY PARK	-2.374E+02	4.292E+00	-55.304
##	NEIGHBORHOODMT. GILEAD WOODS	-6.112E+01	1.498E+01	-4.080
##	NEIGHBORHOODMT. PARAN PARKWAY	8.077E+01	3.949E+01	2.046
##	NEIGHBORHOODMT. PARAN/NORTHSIDE	7.260E+01	9.851E+00	7.370
##	NEIGHBORHOODNISKEY COVE	-6.749E+01	2.791E+01	-2.418
##	NEIGHBORHOODNISKEY LAKE	-5.861E+01	1.977E+01	-2.965
##	NEIGHBORHOODNORTH BUCKHEAD	8.552E+01	3.131E+00	27.315
##	NEIGHBORHOODNORWOOD MANOR	-7.743E+01	6.433E+00	-12.036
##	NEIGHBORHOODOAKCLIFF	-2.579E+02	1.495E+01	-17.252
##	NEIGHBORHOOD <b>O</b> AKLAND	2.976E+02	8.700E+00	34.202
##	NEIGHBORHOODOAKLAND CITY	1.604E+01	2.971E+00	5.398
##	NEIGHBORHOODOLD FAIRBURN VILLAGE	-4.514E+01	3.944E+01	-1.145
##	NEIGHBORHOODOLD FOURTH WARD	3.293E+02	2.142E+00	153.720
##	NEIGHBORHOODOLD GORDON	-2.503E+02	8.688E+00	-28.811
##	NEIGHBORHOODORCHARD KNOB	-1.258E+02	6.902E+00	-18.222
##	NEIGHBORHOODORMEWOOD PARK	2.985E+02	3.582E+00	83.338
##	NEIGHBORHOODPACES	2.661E+01	8.001E+00	3.326
##	NEIGHBORHOODPEACHTREE BATTLE ALLIANCE	6.536E+00	1.109E+01	0.589
##	NEIGHBORHOODPEACHTREE HEIGHTS EAST	3.028E+01	1.112E+01	2.722
##	NEIGHBORHOODPEACHTREE HEIGHTS WEST	4.196E+01	4.710E+00	8.907
##	NEIGHBORHOODPEACHTREE HILLS	2.127E+01	5.958E+00	3.570
##	NEIGHBORHOODPEACHTREE PARK	6.859E+01	5.270E+00	13.015
##	NEIGHBORHOODPENELOPE NEIGHBORS	-2.376E+02	1.145E+01	-20.752
##	NEIGHBORHOODPEOPLESTOWN	-4.417E+01	3.498E+00	-12.628
##	NEIGHBORHOODPERKERSON	-1.263E+02	3.072E+00	-41.123
##	NEIGHBORHOODPEYTON FOREST	2.126E+01	1.252E+01	1.698
##	NEIGHBORHOODPIEDMONT HEIGHTS	7.225E+00	3.350E+00	2.157
##	NEIGHBORHOODPINE HILLS	6.717E+01	4.197E+00	16.003
##	NEIGHBORHOODPITTSBURGH	-5.171E+01	2.691E+00	-19.219
##	NEIGHBORHOODPLEASANT HILL	3.884E+01	1.776E+01	2.188
##	NEIGHBORHOODPOLAR ROCK	-9.784E+01	7.311E+00	-13.382
##	NEIGHBORHOODPOMONA PARK	-1.539E+01	2.791E+01	-0.551
##	NEIGHBORHOODPONCEY-HIGHLAND	3.494E+02	3.385E+00	103.210
##	NEIGHBORHOODPRINCETON LAKES	-1.367E+02	2.929E+00	-46.686
##	NEIGHBORHOODRANDALL MILL	3.644E+01	7.389E+00	4.931
##	NEIGHBORHOODREBEL VALLEY FOREST	-8.822E+01	6.979E+00	-12.641
##	NEIGHBORHOODREYNOLDSTOWN	3.229E+02	4.095E+00	78.851
##	NEIGHBORHOODRIDGECREST FOREST	-3.635E-01	1.196E+01	-0.030

##	NEIGHBORHOODRIDGEDALE PARK	9.914E+01	7.993E+00	12.404
##	NEIGHBORHOODRIDGEWOOD HEIGHTS	-2.189E+01	1.151E+01	-1.902
##	NEIGHBORHOODRIVERSIDE	-6.176E+01	4.312E+00	-14.322
##	NEIGHBORHOODROCKDALE	-1.745E+02	5.976E+00	-29.196
##	NEIGHBORHOODROSEDALE HEIGHTS	-1.086E+02	6.531E+00	-16.628
##	NEIGHBORHOODRUE ROYAL	-8.399E+01	2.793E+01	-3.007
##	NEIGHBORHOODSANDLEWOOD ESTATES	-8.392E+01	1.151E+01	-7.291
##	NEIGHBORHOODSCOTTS CROSSING	-1.555E+02	5.760E+00	-26.992
##	NEIGHBORHOODSHERWOOD FOREST	2.850E+02	1.978E+01	14.403
##	NEIGHBORHOODSOUTH ATLANTA	-5.961E+01	4.040E+00	-14.754
##	NEIGHBORHOODSOUTH RIVER GARDENS	-1.296E+02	3.460E+00	-37.469
##	NEIGHBORHOODSOUTH TUXEDO PARK	5.620E+01	4.466E+00	12.584
##	NEIGHBORHOODSOUTHWEST	-5.395E+01	3.591E+00	-15.023
##	NEIGHBORHOODSPRINGLAKE	-1.311E+01	1.068E+01	-1.228
##	NEIGHBORHOODSUMMERHILL	-2.700E+01	3.653E+00	-7.390
##	NEIGHBORHOODSWALLOW CIRCLE/BAYWOOD	-9.609E+01	1.195E+01	-8.040
##	NEIGHBORHOODSWEET AUBURN	3.076E+02	3.034E+00	101.394
##	NEIGHBORHOODSYLVAN HILLS	-1.025E+02	2.529E+00	-40.503
##	NEIGHBORHOODTAMPA PARK	-1.020E+02	1.979E+01	-5.152
##	NEIGHBORHOODTHE VILLAGES AT CARVER	-6.709E+01	4.093E+00	-16.392
##	NEIGHBORHOODTHE <b>V</b> ILLAGES AT <b>C</b> ASTLEBERRY I	H -2.192E+02	5.609E+00	-39.073
##	NEIGHBORHOODTHE VILLAGES AT EAST LAKE	3.413E+02	5.933E+00	57.521
##	NEIGHBORHOODTHOMASVILLE HEIGHTS	-5.676E+01	4.229E+00	-13.421
##	NEIGHBORHOODTUXEDO PARK	7.015E+01	1.079E+01	6.498
##	NEIGHBORHOODUNDERWOOD HILLS	-3.568E+01	3.001E+00	-11.891
##	NEIGHBORHOODVENETIAN HILLS	2.570E+00	3.034E+00	0.847
##	NEIGHBORHOODVINE CITY	-2.103E+02	2.562E+00	-82.070
##	NEIGHBORHOODVIRGINIA HIGHLAND	3.581E+02	3.043E+00	117.673
##	NEIGHBORHOODWASHINGTON PARK	-2.107E+02	4.591E+00	-45.891
##	NEIGHBORHOODWESLEY BATTLE	-7.726E+00	1.501E+01	-0.515
##	NEIGHBORHOODWEST END	3.430E+01	2.195E+00	15.628
##	NEIGHBORHOODWEST HIGHLANDS	-1.699E+02	4.480E+00	-37.937
##	NEIGHBORHOODWEST LAKE	-2.236E+02	5.716E+00	-39.116
##	NEIGHBORHOODWEST MANOR	-1.777E+00	8.697E+00	-0.204
##	NEIGHBORHOODWEST PACES FERRY/NORTHSIDE	4.484E+01	7.275E+00	6.164
##	NEIGHBORHOODWESTHAVEN	-2.468E+02	8.898E+00	-27.732
##	NEIGHBORHOODWESTMINSTER/MILMAR	1.349E+01	1.621E+01	0.832
##	NEIGHBORHOODWESTOVER PLANTATION	-1.964E+01	2.282E+01	-0.861
##	NEIGHBORHOODWESTVIEW	4.217E+01	3.296E+00	12.794
##	NEIGHBORHOODWESTWOOD TERRACE	3.232E+01	8.310E+00	3.889
##	NEIGHBORHOODWHITEWATER CREEK	6.154E+01	1.625E+01	3.786
	NEIGHBORHOODWHITTIER MILL VILLAGE	-6.355E+01	5.825E+00	-10.910
##	NEIGHBORHOODWILDWOOD (NPU-C)	-2.229E+01	4.832E+00	-4.613
##	NEIGHBORHOODWILDWOOD (NPU-H)	7.433E-01	8.698E+00	0.085
##	NEIGHBORHOODWILDWOOD FOREST	-1.140E+02	1.980E+01	-5.761
##	NEIGHBORHOODWILSON MILL MEADOWS	1.149E+01	7.427E+00	1.547

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2.528E+01 1.061E+01 2.383
## NEIGHBORHOODWISTERIA GARDENS
## NEIGHBORHOODWOODFIELD
                                         1.398E+00 1.979E+01
                                                                 0.071
## NEIGHBORHOODWOODLAND HILLS
                                         2.733E+02 5.824E+00 46.915
                                         2.482E+01 1.503E+01 1.651
## NEIGHBORHOODWYNGATE
## X
                                        -6.831E+02 6.001E+00 -113.828
                                        -1.708E+03 1.501E+01 -113.839
## Y
##
                                        Pr(>|T|)
                                        < 2E-16 ***
## (INTERCEPT)
                                         < 2E-16 ***
## MINOFUCR
## MAXOFNUM VICTIMS
                                        0.582092
                                        3.97E-10 ***
## LOC TYPE
                                         < 2E-16 ***
## NEIGHBORHOODADAIR PARK
## NEIGHBORHOODADAMS PARK
                                        0.046818 *
                                         < 2E-16 ***
## NEIGHBORHOODADAMSVILLE
                                         < 2E-16 ***
## NEIGHBORHOODALMOND PARK
                                         < 2E-16 ***
## NEIGHBORHOODAMAL HEIGHTS
## NEIGHBORHOODANSLEY PARK
                                         < 2E-16 ***
## NEIGHBORHOODARDEN/HABERSHAM
                                        0.051814 .
## NEIGHBORHOODARDMORE
                                        0.055272 .
## NEIGHBORHOODARGONNE FOREST
                                        0.012120 *
## NEIGHBORHOODARLINGTON ESTATES
                                       < 2E-16 ***
## NEIGHBORHOODASHLEY COURTS
                                       4.73E-13 ***
                                         < 2E-16 ***
## NEIGHBORHOODASHVIEW HEIGHTS
                                       < 2E-16 ***
## NEIGHBORHOODATKINS PARK
## NEIGHBORHOODATLANTA INDUSTRIAL PARK < 2E-16 ***
## NEIGHBORHOODATLANTA UNIVERSITY CENTER < 2E-16 ***
                                       < 2E-16 ***
## NEIGHBORHOODATLANTIC STATION
## NEIGHBORHOODAUDOBON FOREST
                                        0.687009
## NEIGHBORHOODAUDOBON FOREST WEST
                                       0.498808
                                        0.001737 **
## NEIGHBORHOODBAKER HILLS
## NEIGHBORHOODBAKERS FERRY
                                        0.854218
## NEIGHBORHOODBANKHEAD
                                         < 2E-16 ***
                                        < 2E-16 ***
## NEIGHBORHOODBANKHEAD/BOLTON
## NEIGHBORHOODBEECHER HILLS
                                        0.118877
                                         < 2E-16 ***
## NEIGHBORHOODBEN HILL
                                         < 2E-16 ***
## NEIGHBORHOODBEN HILL ACRES
## NEIGHBORHOODBEN HILL FOREST
                                        0.000269 ***
## NEIGHBORHOODBEN HILL PINES
                                        1.02E-08 ***
                                         < 2E-16 ***
## NEIGHBORHOODBEN HILL TERRACE
                                         < 2E-16 ***
## NEIGHBORHOODBENTEEN PARK
                                         < 2E-16 ***
## NEIGHBORHOODBERKELEY PARK
                                         < 2E-16 ***
## NEIGHBORHOODBETMAR LAVILLA
## NEIGHBORHOODBLAIR VILLA/POOLE CREEK
                                    < 2E-16 ***
                                         < 2E-16 ***
## NEIGHBORHOODBLANDTOWN
## NEIGHBORHOODBOLTON
                                         < 2E-16 ***
                                       < 2E-16 ***
## NEIGHBORHOODBOLTON HILLS
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##	NEIGHBORHOODBOULDER PARK	0.900583
##	NEIGHBORHOODBOULEVARD HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODBRANDON	0.616518
##	NEIGHBORHOODBRENTWOOD	3.62E-12 ***
##	NEIGHBORHOODBRIAR GLEN	3.64E-05 ***
##	NEIGHBORHOODBROOKHAVEN	< 2E-16 ***
##	NEIGHBORHOODBROOKVIEW HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODBROOKWOOD	0.005674 **
##	NEIGHBORHOODBROOKWOOD HILLS	0.054002 .
##	NEIGHBORHOODBROWNS MILL PARK	< 2E-16 ***
##	NEIGHBORHOODBUCKHEAD FOREST	< 2E-16 ***
##	NEIGHBORHOODBUCKHEAD HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODBUCKHEAD VILLAGE	< 2E-16 ***
##	NEIGHBORHOODBUSH MOUNTAIN	0.003316 **
##	NEIGHBORHOODBUTNER/TELL	3.82E-06 ***
##	NEIGHBORHOODCABBAGETOWN	< 2E-16 ***
##	NEIGHBORHOODCAMPBELLTON ROAD	< 2E-16 ***
##	NEIGHBORHOODCANDLER PARK	< 2E-16 ***
##	NEIGHBORHOODCAPITOL GATEWAY	< 2E-16 ***
##	NEIGHBORHOODCAPITOL VIEW	< 2E-16 ***
##	NEIGHBORHOODCAPITOL VIEW MANOR	< 2E-16 ***
##	NEIGHBORHOODCAREY PARK	< 2E-16 ***
##	NEIGHBORHOODCARROLL HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODCARVER HILLS	< 2E-16 ***
##	NEIGHBORHOODCASCADE AVENUE/ROAD	4.45E-05 ***
##	NEIGHBORHOODCASCADE GREEN	0.019380 *
##	NEIGHBORHOODCASCADE HEIGHTS	0.003374 **
##	NEIGHBORHOODCASTLEBERRY HILL	< 2E-16 ***
##	NEIGHBORHOODCASTLEWOOD	0.162018
##	NEIGHBORHOODCENTER HILL	< 2E-16 ***
##	NEIGHBORHOODCHALET WOODS	0.113263
##	NEIGHBORHOODCHANNING VALLEY	0.002108 **
##	NEIGHBORHOODCHASTAIN PARK	< 2E-16 ***
##	NEIGHBORHOODCHOSEWOOD PARK	< 2E-16 ***
##	NEIGHBORHOODCOLLIER HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODCOLLIER HILLS	0.154439
##	NEIGHBORHOODCOLLIER HILLS NORTH	0.797261
##	NEIGHBORHOODCOLONIAL HOMES	0.921295
##	NEIGHBORHOODCROSS CREEK	0.075671 .
##	NEIGHBORHOODCUSTER/McDonough/Guice	< 2E-16 ***
##	NEIGHBORHOODDEERWOOD	< 2E-16 ***
##	NEIGHBORHOODDIXIE HILLS	< 2E-16 ***
##	NEIGHBORHOODDOWNTOWN	< 2E-16 ***
##	NEIGHBORHOODDRUID HILLS	< 2E-16 ***
##	NEIGHBORHOODEAST ARDLEY ROAD	0.640317
##	NEIGHBORHOODEAST ATLANTA	< 2E-16 ***

##	NEIGHBORHOODEAST CHASTAIN PARK	< 2E-16 ***
##	NEIGHBORHOODEAST LAKE	< 2E-16 ***
##	NEIGHBORHOODEDGEWOOD	< 2E-16 ***
##	NEIGHBORHOODELMCO ESTATES	< 2E-16 ***
##	NEIGHBORHOODENGLISH AVENUE	< 2E-16 ***
##	NEIGHBORHOODENGLISH PARK	< 2E-16 ***
##	NEIGHBORHOODFAIRBURN	< 2E-16 ***
##	NEIGHBORHOODFAIRBURN HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODFAIRBURN MAYS	0.950328
##	NEIGHBORHOODFAIRBURN ROAD/WISTERIA LA	NE 0.498121
##	NEIGHBORHOODFAIRBURN TELL	0.013008 *
##	NEIGHBORHOODFAIRWAY ACRES	8.76E-11 ***
##	NEIGHBORHOODFERNLEAF	0.132436
##	NEIGHBORHOODFLORIDA HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODFORT MCPHERSON	0.966315
##	NEIGHBORHOODFORT VALLEY	0.004089 **
##	NEIGHBORHOODGARDEN HILLS	< 2E-16 ***
##	NEIGHBORHOODGEORGIA TECH	< 2E-16 ***
##	NEIGHBORHOODGLENROSE HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODGRANT PARK	< 2E-16 ***
##	NEIGHBORHOODGREEN ACRES VALLEY	0.406707
##	NEIGHBORHOODGREEN FOREST ACRES	0.556440
##	NEIGHBORHOODGREENBRIAR	< 2E-16 ***
##	NEIGHBORHOODGREENBRIAR VILLAGE	2.61E-08 ***
##	NEIGHBORHOODGROVE PARK	< 2E-16 ***
##	NEIGHBORHOODHAMMOND PARK	< 2E-16 ***
##	NEIGHBORHOODHANOVER WEST	0.364883
##	NEIGHBORHOODHARLAND TERRACE	0.265752
##	NEIGHBORHOODHARRIS CHILES	< 2E-16 ***
##	NEIGHBORHOODHARVEL HOMES COMMUNITY	< 2E-16 ***
##	NEIGHBORHOODHERITAGE VALLEY	7.09E-08 ***
##	NEIGHBORHOODHIGH POINT	8.75E-13 ***
##	NEIGHBORHOODHILLS PARK	< 2E-16 ***
##	NEIGHBORHOODHOME PARK	< 2E-16 ***
##	NEIGHBORHOODHORSESHOE COMMUNITY	0.336607
##	NEIGHBORHOODHUNTER HILLS	< 2E-16 ***
##	NEIGHBORHOODHUNTINGTON	1.91E-09 ***
##	NEIGHBORHOODINMAN PARK	< 2E-16 ***
##	NEIGHBORHOODIVAN HILL	0.117151
##	NEIGHBORHOODJOYLAND	< 2E-16 ***
##	NEIGHBORHOODJUST US	9.39E-09 ***
	NEIGHBORHOODKINGS FOREST	< 2E-16 ***
	NEIGHBORHOODKINGSWOOD	0.095246 .
	NEIGHBORHOODKIRKWOOD	< 2E-16 ***
	NEIGHBORHOODKNIGHT PARK/HOWELL STATIO	
	NEIGHBORHOODLAKE CLAIRE	< 2E-16 ***

#	# NEIGHBORHOODLAKE ESTATES	0.005716 **
#	# NEIGHBORHOODLAKEWOOD	< 2E-16 ***
#	# NEIGHBORHOODLAKEWOOD HEIGHTS	< 2E-16 ***
#	# NEIGHBORHOODLAURENS VALLEY	0.202956
#	# NEIGHBORHOODLEILA VALLEY	< 2E-16 ***
#	# NEIGHBORHOODLENOX	< 2E-16 ***
#	# NEIGHBORHOODLINCOLN HOMES	< 2E-16 ***
#	# NEIGHBORHOODLINDBERGH/MOROSGO	< 2E-16 ***
#	# NEIGHBORHOODLINDRIDGE/MARTIN MANOR	< 2E-16 ***
#	# NEIGHBORHOODLORING HEIGHTS	< 2E-16 ***
#	# NEIGHBORHOODMAGNUM MANOR	0.152003
#	# NEIGHBORHOODMARGARET MITCHELL	0.851911
#	# NEIGHBORHOODMARIETTA STREET ARTERY	< 2E-16 ***
#	# NEIGHBORHOODMAYS	0.120166
#	# NEIGHBORHOODMEADOWBROOK FOREST	1.27E-10 ***
#	# NEIGHBORHOODMECHANICSVILLE	< 2E-16 ***
#	# NEIGHBORHOODMELLWOOD	< 2E-16 ***
#	# NEIGHBORHOODMEMORIAL PARK	0.876069
#	# NEIGHBORHOODMIDTOWN	< 2E-16 ***
#	# NEIGHBORHOODMIDWEST CASCADE	9.66E-09 ***
#	# NEIGHBORHOODMONROE HEIGHTS	< 2E-16 ***
#	# NEIGHBORHOODMORNINGSIDE/LENOX PARK	5.77E-05 ***
#	# NEIGHBORHOODMOZLEY PARK	< 2E-16 ***
#	# NEIGHBORHOODMT. GILEAD WOODS	4.52E-05 ***
#	# NEIGHBORHOODMT. PARAN PARKWAY	0.040809 *
#	# NEIGHBORHOODMT. PARAN/NORTHSIDE	1.77E-13 ***
#	# NEIGHBORHOODNISKEY COVE	0.015619 *
#	# NEIGHBORHOODNISKEY LAKE	0.003028 **
#	# NEIGHBORHOODNORTH BUCKHEAD	< 2E-16 ***
#	# NEIGHBORHOODNORWOOD MANOR	< 2E-16 ***
#	# NEIGHBORHOODOAKCLIFF	< 2E-16 ***
#	# NEIGHBORHOODOAKLAND	< 2E-16 ***
#	# NEIGHBORHOODOAKLAND CITY	6.80E-08 ***
#	# NEIGHBORHOODOLD FAIRBURN VILLAGE	0.252421
#	# NEIGHBORHOODOLD FOURTH WARD	< 2E-16 ***
#	# NEIGHBORHOODOLD GORDON	< 2E-16 ***
#	# NEIGHBORHOODORCHARD KNOB	< 2E-16 ***
#	# NEIGHBORHOODORMEWOOD PARK	< 2E-16 ***
#	# NEIGHBORHOODPACES	0.000882 ***
#	# NEIGHBORHOODPEACHTREE BATTLE ALLIANCE	0.555800
#	# NEIGHBORHOODPEACHTREE HEIGHTS EAST	0.006487 **
#	# NEIGHBORHOODPEACHTREE HEIGHTS WEST	< 2E-16 ***
#	# NEIGHBORHOODPEACHTREE HILLS	0.000358 ***
#	# NEIGHBORHOODPEACHTREE PARK	< 2E-16 ***
#	# NEIGHBORHOODPENELOPE NEIGHBORS	< 2E-16 ***
#	# NEIGHBORHOODPEOPLESTOWN	< 2E-16 ***

##	NEIGHBORHOODPERKERSON	< 2E-16 ***
##	NEIGHBORHOODPEYTON FOREST	0.089554 .
##	NEIGHBORHOODPIEDMONT HEIGHTS	0.031022 *
##	NEIGHBORHOODPINE HILLS	< 2E-16 ***
##	NEIGHBORHOODPITTSBURGH	< 2E-16 ***
##	NEIGHBORHOODPLEASANT HILL	0.028707 *
##	NEIGHBORHOODPOLAR ROCK	< 2E-16 ***
##	NEIGHBORHOODPOMONA PARK	0.581376
##	NEIGHBORHOODPONCEY-HIGHLAND	< 2E-16 ***
##	NEIGHBORHOODPRINCETON LAKES	< 2E-16 ***
##	NEIGHBORHOODRANDALL MILL	8.23E-07 ***
##	NEIGHBORHOODREBEL VALLEY FOREST	< 2E-16 ***
##	NEIGHBORHOODREYNOLDSTOWN	< 2E-16 ***
##	NEIGHBORHOODRIDGECREST FOREST	0.975746
##	NEIGHBORHOODRIDGEDALE PARK	< 2E-16 ***
##	NEIGHBORHOODRIDGEWOOD HEIGHTS	0.057201 .
##	NEIGHBORHOODRIVERSIDE	< 2E-16 ***
##	NEIGHBORHOODROCKDALE	< 2E-16 ***
##	NEIGHBORHOODROSEDALE HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODRUE ROYAL	0.002637 **
##	NEIGHBORHOODSANDLEWOOD ESTATES	3.18E-13 ***
##	NEIGHBORHOODSCOTTS CROSSING	< 2E-16 ***
##	NEIGHBORHOODSHERWOOD FOREST	< 2E-16 ***
##	NEIGHBORHOODSOUTH ATLANTA	< 2E-16 ***
##	NEIGHBORHOODSOUTH RIVER GARDENS	< 2E-16 ***
##	NEIGHBORHOODSOUTH TUXEDO PARK	< 2E-16 ***
##	NEIGHBORHOODSOUTHWEST	< 2E-16 ***
##	NEIGHBORHOODSPRINGLAKE	0.219580
##	NEIGHBORHOODSUMMERHILL	1.51E-13 ***
##	NEIGHBORHOODSWALLOW CIRCLE/BAYWOOD	9.42E-16 ***
##	NEIGHBORHOODSWEET AUBURN	< 2E-16 ***
##	NEIGHBORHOODSYLVAN HILLS	< 2E-16 ***
##	NEIGHBORHOODTAMPA PARK	2.60E-07 ***
##	NEIGHBORHOODTHE VILLAGES AT CARVER	< 2E-16 ***
##	NEIGHBORHOODTHE VILLAGES AT CASTLEBERRY	
##	NEIGHBORHOODTHE VILLAGES AT EAST LAKE	< 2E-16 ***
##	NEIGHBORHOODTHOMASVILLE HEIGHTS	< 2E-16 ***
##	NEIGHBORHOODTUXEDO PARK	8.30E-11 ***
##	NEIGHBORHOODUNDERWOOD HILLS	< 2E-16 ***
##	NEIGHBORHOODVENETIAN HILLS	0.397000
##	NEIGHBORHOODVINE CITY	< 2E-16 ***
##	NEIGHBORHOODVIRGINIA HIGHLAND	< 2E-16 ***
##	NEIGHBORHOODWASHINGTON PARK	< 2E-16 ***
##	NEIGHBORHOODWESLEY BATTLE	0.606691
##	NEIGHBORHOODWEST END	< 2E-16 ***
##	NEIGHBORHOODWEST HIGHLANDS	< 2E-16 ***

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## NEIGHBORHOODWEST LAKE
                                 < 2E-16 ***
## NEIGHBORHOODWEST MANOR
                                   0.838127
## NEIGHBORHOODWEST PACES FERRY/NORTHSIDE 7.23E-10 ***
## NEIGHBORHOODWESTHAVEN
                                    < 2E-16 ***
## NEIGHBORHOODWESTMINSTER/MILMAR
                                   0.405328
## NEIGHBORHOODWESTOVER PLANTATION
                                    0.389368
                                    < 2E-16 ***
## NEIGHBORHOODWESTVIEW
                                   0.000101 ***
## NEIGHBORHOODWESTWOOD TERRACE
                                   0.000153 ***
## NEIGHBORHOODWHITEWATER CREEK
## NEIGHBORHOODWHITTIER MILL VILLAGE
                                   < 2E-16 ***
## NEIGHBORHOODWILDWOOD (NPU-C)
                                     3.98E-06 ***
## NEIGHBORHOODWILDWOOD (NPU-H)
                                    0.931892
                                     8.47E-09 ***
## NEIGHBORHOODWILDWOOD FOREST
## NEIGHBORHOODWILSON MILL MEADOWS
                                   0.121980
## NEIGHBORHOODWISTERIA GARDENS
                                     0.017168 *
## NEIGHBORHOODWOODFIELD
                                     0.943692
                                     < 2E-16 ***
## NEIGHBORHOODWOODLAND HILLS
## NEIGHBORHOODWYNGATE
                                     0.098731 .
## X
                                     < 2E-16 ***
                                     < 2E-16 ***
## Y
## SIGNIF. CODES: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## RESIDUAL STANDARD ERROR: 39.41 ON 23172 DEGREES OF FREEDOM
## (3344 OBSERVATIONS DELETED DUE TO MISSINGNESS)
## MULTIPLE R-SQUARED: 0.9464, ADJUSTED R-SQUARED: 0.9459
## F-STATISTIC: 1692 ON 242 AND 23172 DF, P-VALUE: < 2.2E-16
VIF(FIT)
                 GVIF DF GVIF^(1/(2*DF))
##
                    1.171762 1 1.082480
## MINOFUCR
## MAXOFNUM VICTIMS 1.024168 1 1.012012
## LOC TYPE
                  1.026056 1 1.012944
## NEIGHBORHOOD 11.793507 237 1.005219
## x 23807.337630 1 154.296266
## Y 23818.989658 1 154.334020
```

- > P-values are very important because, we can consider linear model to be statistically significant only.
- ➤ WHEN BOTH THESE P-VALUES ARE LESS THAT THE PRE-DETERMINED STATISTICAL DETERMINED LEVEL, WHICH IS IDEALLY 0.05.
- > THIS IS VISUALLY INTERPRETED BY THE SIGNIFICANCE STARS AT THE END OF THE ROW.

> THE MORE STARS BESIDE THE VARIABLE'S P-VALUE, THE MORE SIGNIFICANT THE VARIABLE.

WHEN THERE IS A P-VALUE, THERE IS A NULL AND ALTERNATIVE HYPOTHESIS ASSOCIATED WITH IT.

Null and Alternate Hypothesis

- ➤ IN LINEAR REGRESSION, THE NULL HYPOTHESIS IS THAT THE COEFFICIENTS ASSOCIATED WITH THE VARIABLES IS EQUAL TO ZERO.
- ➤ THE ALTERNATE HYPOTHESIS IS THAT THE COEFFICIENTS ARE NOT EQUAL TO ZERO.
- THERE EXISTS A RELATIONSHIP BETWEEN THE INDEPENDENT VARIABLE IN QUESTION AND THE DEPENDENT VARIABLE.

## Coefficient,Estimate, std.error,Tval

## &Pr(>|t|)

neighborhoodIvan Hill	0.18995	31.7182	<mark>0.006</mark>	0.995222
neighborhoodPomona Park	<del>-0.70578</del>	70.67374	<mark>-0.01</mark>	0.992032
neighborhoodEast Ardley Road	<mark>0.81515</mark>	<mark>57.71572</mark>	0.014	<mark>0.988731</mark>
neighborhoodOrchard Knob	<mark>0.78361</mark>	<mark>17.60243</mark>	<mark>0.045</mark>	<mark>0.964492</mark>
neighborhoodCascade Heights	<mark>-0.54782</mark>	<mark>11.8724</mark>	<mark>-0.046</mark>	<mark>0.963197</mark>
neighborhoodCollier Hills	<mark>-1.57088</mark>	<mark>28.03153</mark>	<mark>-0.056</mark>	<mark>0.955311</mark>
neighborhoodGreen Forest Acres	<mark>2.03632</mark>	<mark>35.43986</mark>	<mark>0.057</mark>	<mark>0.954181</mark>
neighborhoodAmal Heights	<mark>-1.74562</mark>	<mark>21.55404</mark>	<mark>-0.081</mark>	<mark>0.935452</mark>
neighborhoodGlenrose Heights	<mark>0.69584</mark>	<mark>8.58791</mark>	0.081	0.935423
neighborhoodScotts Crossing	<mark>-1.25164</mark>	<mark>14.81232</mark>	<mark>-0.084</mark>	<mark>0.93266</mark>
neighborhoodBrookwood	<mark>2.04586</mark>	18.1638 <mark>7</mark>	0.113	0.910322
neighborhoodBuckhead Heights	1.97872	<mark>17.55909</mark>	0.113	<mark>0.910278</mark>
neighborhoodSandlewood Estates	<del>-</del> 3.36595	<mark>29.18066</mark>	<mark>-0.115</mark>	0.90817
neighborhoodHeritage Valley	<mark>2.94675</mark>	<mark>25.26591</mark>	<mark>0.117</mark>	0.907155
neighborhoodMt. Paran/Northside	<del>-</del> 3.01141	<mark>24.97503</mark>	<mark>-0.121</mark>	0.904027
neighborhoodPolar Rock	<mark>2.54844</mark>	<mark>18.58454</mark>	<mark>0.137</mark>	0.890932
neighborhoodArden/Habersham	<mark>6.64751</mark>	<mark>44.94562</mark>	<mark>0.148</mark>	0.882422
neighborhoodMozley Park	<mark>-1.87526</mark>	<b>11.56441</b>	<mark>-0.162</mark>	0.871183
neighborhoodRidgedale Park	<mark>3.38582</mark>	<mark>20.30795</mark>	<mark>0.167</mark>	0.867589
neighborhoodFairburn	<mark>-4.33549</mark>	<mark>20.49293</mark>	<del>-0.212</del>	0.832452
neighborhoodNiskey Cove	15.94 <mark>718</mark>	<mark>70.69396</mark>	<mark>0.226</mark>	0.82153
neighborhoodAudobon Forest	<mark>-5.97875</mark>	<mark>25.15904</mark>	<mark>-0.238</mark>	0.812164
neighborhoodMeadowbrook Forest	<mark>-8.17084</mark>	<mark>30.40992</mark>	<mark>-0.269</mark>	<mark>0.788171</mark>
neighborhoodChosewood Park	-3.06345	<b>11.00551</b>	<mark>-0.278</mark>	<mark>0.780741</mark>
neighborhoodChastain Park	<mark>6.54934</mark>	22.77241	<mark>0.288</mark>	0.773656

neighborhoodGreenbriar	1 00107	c 000c	0.200	0.77252
	1.99187	6.8906	0.289	0.77253
neighborhoodCascade Green	12.02139	<mark>40.91864</mark>	<mark>0.294</mark>	0.768923
neighborhoodPeyton Forest	<mark>9.89081</mark>	<mark>31.7177</mark>	<mark>0.312</mark>	<mark>0.755166</mark>
neighborhoodMt. Paran Parkway	31.53809	100.0009	<mark>0.315</mark>	<mark>0.752477</mark>
neighborhoodMonroe Heights	<mark>5.36775</mark>	<mark>16.82558</mark>	<mark>0.319</mark>	<mark>0.749712</mark>
neighborhoodMarietta Street Artery	<mark>-3.3602</mark>	<mark>10.18978</mark>	<del>-0.33</del>	<mark>0.741583</mark>
neighborhoodAlmond Park	<mark>5.15041</mark>	<mark>15.58872</mark>	0.33	0.741106
neighborhoodOld Fairburn Village	33.39344	99.87213	0.334	0.738109
neighborhoodEnglish Park	<mark>-8.81457</mark>	<mark>24.64719</mark>	<mark>-0.358</mark>	<mark>0.720624</mark>
neighborhoodBeecher Hills	<del>-</del> 10.1116	<mark>27.86253</mark>	<mark>-0.363</mark>	<mark>0.716677</mark>
neighborhoodFairburn Tell	37.84429	<mark>99.91444</mark>	0.379	<mark>0.704864</mark>
neighborhoodFairway Acres	<mark>15.97263</mark>	<mark>41.04548</mark>	<mark>0.389</mark>	<mark>0.697173</mark>
neighborhoodHorseshoe Community	<mark>-27.5546</mark>	<mark>70.65781</mark>	<mark>-0.39</mark>	<mark>0.696561</mark>
neighborhoodBrookhaven	13.6228 <mark>7</mark>	<mark>32.29803</mark>	<mark>0.422</mark>	<mark>0.673185</mark>
neighborhoodHuntington	<mark>24.97747</mark>	<mark>57.91696</mark>	<mark>0.431</mark>	<mark>0.666281</mark>
neighborhoodCabbagetown	<mark>-7.00131</mark>	<mark>15.96335</mark>	<mark>-0.439</mark>	<mark>0.660965</mark>
neighborhoodLake Claire	<mark>-7.20788</mark>	<mark>16.14665</mark>	<mark>-0.446</mark>	<mark>0.655312</mark>
neighborhoodDeerwood	<mark>11.11434</mark>	<mark>23.39644</mark>	<mark>0.475</mark>	<mark>0.63476</mark>
neighborhoodOld Gordon	10.85688	22.39042	<mark>0.485</mark>	<mark>0.627759</mark>
neighborhoodBen Hill Pines	<del>-19.9293</del>	<mark>41.01709</mark>	<mark>-0.486</mark>	<mark>0.627059</mark>
neighborhoodDixie Hills	<mark>-5.46251</mark>	<mark>11.11481</mark>	<mark>-0.491</mark>	<mark>0.623104</mark>
neighborhoodBakers Ferry	<mark>-22.2155</mark>	<mark>44.75458</mark>	<mark>-0.496</mark>	<mark>0.619627</mark>
neighborhoodGeorgia Tech	37.27899	70.77658	0.527	0.598397
neighborhoodRebel Valley Forest	-9.37548	17.73253	-0.529	0.597007
neighborhoodPeachtree Park	7.34794	13.39376	0.549	0.583279
neighborhoodFort McPherson	-40.5911	70.64509	-0.575	0.565583
neighborhoodPittsburgh	-4.17695	6.86732	-0.608	0.543037
neighborhoodCapitol View	-6.00118	9.84386	-0.61	0.542108

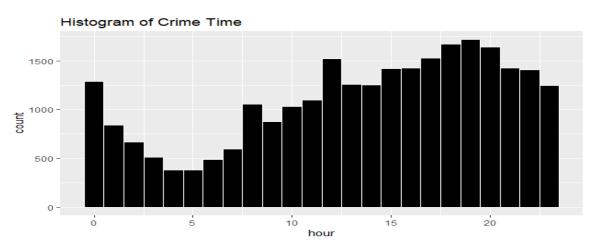
neighborhoodLindridge/Martin Manor	5.64553	8.88628	0.635	0.525233
neighborhoodBolton Hills	26.19894	41.00062	0.639	0.522837
neighborhoodAshview Heights	-6.7408	10.47775	-0.643	0.520007
neighborhoodPine Hills	6.89367	10.68744	0.645	0.518917
neighborhoodAtkins Park	-39.4179	58.07207	-0.679	0.497287
neighborhoodFairburn Road/Wisteria Lane	27.48272	37.85613	0.726	0.46786
neighborhoodBen Hill Terrace	-13.6516	18.75246	-0.728	0.466629
neighborhoodEast Chastain Park	13.9809	17.93875	0.779	0.435771
neighborhoodBrookwood Hills	12.08225	15.22187	0.794	0.427353
neighborhoodLaurens Valley	57.13108	70.6623	0.809	0.418806
neighborhoodButner/Tell	-46.879	57.83658	-0.811	0.417637
neighborhoodBriar Glen	33.76307	40.9596	0.824	0.409777
neighborhoodNorwood Manor	-13.8523	16.34179	-0.848	0.396636
neighborhoodBush Mountain	-18.4889	21.06651	-0.878	0.380147
neighborhoodCollier Hills North	64.48398	70.71828	0.912	0.361861
neighborhoodBoulder Park	-37.335	40.8767	-0.913	0.361064
neighborhoodCapitol Gateway	16.08137	16.81071	0.957	0.338772
neighborhoodMidtown	-6.27314	6.39659	-0.981	0.326751
neighborhoodGreen Acres Valley	-44.0883	44.76003	-0.985	0.324638
neighborhoodKingswood	69.87008	70.79024	0.987	0.323652
neighborhoodRidgewood Heights	29.60442	29.1443	1.016	0.309741
neighborhoodBen Hill	-18.325	17.72395	-1.034	0.301189
neighborhoodNiskey Lake	51.94337	50.06304	1.038	0.299486
neighborhoodPleasant Hill	46.81742	44.96644	1.041	0.297811
neighborhoodMellwood	74.03428	70.81976	1.045	0.295854
neighborhoodRidgecrest Forest	-31.9837	30.27555	-1.056	0.290787
neighborhoodCarroll Heights	-19.4876	17.35058	-1.123	0.261378
neighborhoodPeachtree Heights East	31.94805	28.1669	1.134	0.256705

neighborhoodPiedmont Heights	9.70736	8.48279	1.144	0.252487
neighborhoodColonial Homes	51.51639	44.87369	1.148	0.250968
neighborhoodMechanicsville	-6.86339	5.94492	-1.154	0.248308
neighborhoodAudobon Forest West	43.72563	37.86685	1.155	0.248217
neighborhoodJust Us	115.469	99.91957	1.156	0.247849
neighborhoodHunter Hills	-11.8921	10.2068	-1.165	0.243985
neighborhoodMagnum Manor	39.36476	33.44073	1.177	0.239148
neighborhoodEnglish Avenue	-9.10065	7.71194	-1.18	0.237983
neighborhoodCastlewood	48.53463	41.06086	1.182	0.237211
neighborhoodGrove Park	-9.03229	7.57827	-1.192	0.233326
neighborhoodSherwood Forest	-61.4391	50.32317	-1.221	0.22214
neighborhoodLincoln Homes	-25.341	20.47369	-1.238	0.215827
neighborhoodChalet Woods	-62.9557	49.99941	-1.259	0.207997
neighborhoodMays	-16.939	13.39209	-1.265	0.205937
neighborhoodAtlantic Station	-12.9455	9.665	-1.339	0.180446
neighborhoodMargaret Mitchell	57.26396	41.01351	1.396	0.162661
neighborhoodMemorial Park	99.55969	70.72029	1.408	0.159205
neighborhoodHome Park	-10.4807	7.4012	-1.416	0.156767
neighborhoodRosedale Heights	-23.7742	16.63523	-1.429	0.152975
neighborhoodLoring Heights	13.41215	9.19966	1.458	0.144883
neighborhoodBuckhead Village	14.2879	9.63622	1.483	0.13816
neighborhoodPerkerson	12.11922	8.05798	1.504	0.132595
neighborhoodHammond Park	-13.7955	9.10457	-1.515	0.129728
neighborhoodBen Hill Forest	108.5586	70.73677	1.535	0.124875
neighborhoodBen Hill Acres	-31.6404	20.45652	-1.547	0.121946
neighborhoodAshley Courts	-24.0345	15.53165	-1.547	0.121768
neighborhoodHanover West	69.5929	44.85392	1.552	0.120785
neighborhoodLindbergh/Morosgo	10.80412	6.9074	1.564	0.117799

neighborhoodFlorida Heights	-18.9446	11.93221	-1.588	0.112371
neighborhoodMt. Gilead Woods	-61.4997	37.94528	-1.621	0.105086
neighborhoodOakcliff	62.09365	38.09146	1.63	0.10309

```
at$dayofWeek <- weekdays(as.Date(at$occur_date))
at$hour <- sub(":.*", "", at$occur_time)
at$hour <- as.numeric(at$hour)
ggplot(aes(x = hour), data = at) + geom_histogram(bins = 24, color='white', fill='black') +
ggtitle('Histogram of Crime Time')
```

#The crime time distribution appears bimodal with peaking around midnight and again at the noon, then again between 6pm and 8pm.



```
#topCrimes_1 <- topCrimes %>% group_by(`UC2 Literal`,occur_time) %>%
#summarise(total = n())

#ggplot(aes(x = occur_time, y = total), data = topCrimes_1) +

#geom_point(colour="blue", size=1) +

#geom_smooth(method="loess") +

#xlab('Hour(24 hour clock)') +

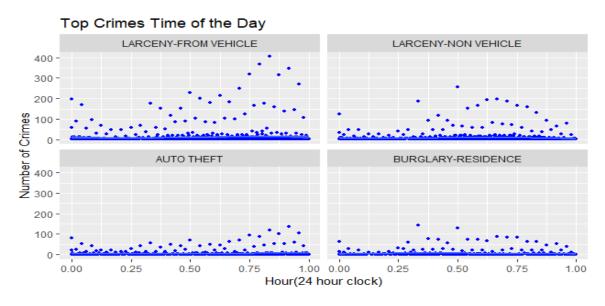
# ylab('Number of Crimes') +

#ggtitle('Top Crimes Time of the Day') +

#facet_wrap(~`UC2 Literal`)
```

#Downtown and midtown are the most common locations where crimes take place, followed by Old Fourth Ward and West End.

larceny theft are the top crimes in Atlanta followed by aggravated assault



kable(count(COBRA\_YTD2017, loc\_type, sort=TRUE), "html", col.names=c("Crime Type",
"Frequency")) %>%

```
kable styling(bootstrap options="striped", full width=FALSE)
```

kable

```
COBRA_YTD2017 %>%

group_by(days, loc_type) %>%

summarize(freq=n()) %>%

ggplot(aes(reorder(days, -freq), freq)) +

geom_bar(aes(fill=loc_type), position="dodge", stat="identity", width=0.8, color="black") +

xlab("Day of Week") +

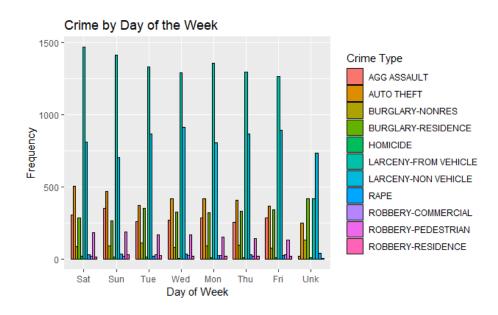
ylab("Frequency") +

labs(fill="Crime Type") +

ggtitle("Crime by Day of the Week")
```

#The data provides crime type frequency and crime by day of the week.#Among the high crime categories, larceny tend to increase on Fridays and Saturdays. while burglary residence generally occurred more often during the weekdays than the weekends. Auto theft were least reported on Thursdays and increase for the weekends.

Crime Type	Frequency	
LARCENY-FROM VEHICLE	9840	
LARCENY-NON VEHICLE	6589	
AUTO THEFT	3197	
BURGLARY-RESIDENCE	2635	
AGG ASSAULT	2024	
ROBBERY-PEDESTRIAN	1126	
BURGLARY-NONRES	758	
RAPE	226	
ROBBERY-COMMERCIAL	157	



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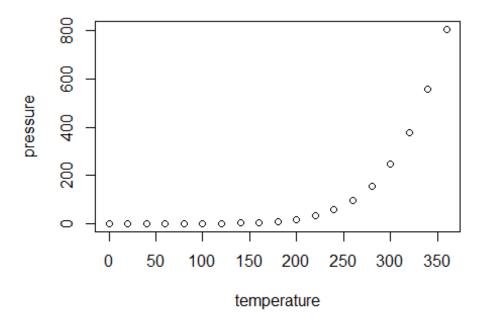
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

## SUMMARY (CARS)

```
##
       SPEED
                      DIST
          : 4.0
                  MIN.
                         : 2.00
   MIN.
   1ST QU.:12.0
                  1ST QU.: 26.00
   MEDIAN :15.0
                  MEDIAN : 36.00
          :15.4
                         : 42.98
## MEAN
                  MEAN
## 3RD Qu.:19.0
                   3RD QU.: 56.00
          :25.0
## MAX.
                  MAX.
                         :120.00
```

## **Including Plots**

You can also embed plots, for example:



Note that the **ECHO = FALSE** parameter was added to the code chunk to prevent printing of the R code that generated the plot.