

Lab 3: Regression Competition

In the hot New Jersey night

Group A: Alice Chang, Isidore Weis, Sarah Maebius

Fit Model and Calculate MSE

```
library(dplyr)

##
## Attaching package: 'dplyr'
##
## The following objects are masked from 'package:stats':
##
##   filter, lag
##
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
d <- read.csv("http://andrewpbray.github.io/data/crime-train.csv")

group_A_fit <- function(training_data) {
  training_data <- mutate(training_data, sqrtcrime = sqrt(ViolentCrimesPerPop))

  m1 <- lm(sqrtcrime ~ PctIlleg + racePctWhite + TotalPctDiv + PctVacantBoarded:racePctWhite + LemasPctOfficDrugUn, data = training_data)

  m1
}

group_A_MSE <- function(model, data) {

  data <- mutate(data, sqrtcrime = sqrt(ViolentCrimesPerPop))

  errors <- function(x1, x2, x3, x4, x5, x6, x7){
    predicted <- model$coefficients[1] + (model$coefficients[2] * x1) + (model$coefficients[3] * x2) + (model$coefficients[4] * x3) + (model$coefficients[5] * x4) + (model$coefficients[6] * x5) + (model$coefficients[7] * x6) + (model$coefficients[8] * x7)
    err <- data$sqrtcrime - predicted
    err
  }

  MSE <- mean(errors(data$PctIlleg, data$racePctWhite, data$TotalPctDiv, data$LemasPctOfficDrugUn, data$PctVacantBoarded, data$ViolentCrimesPerPop, data$PctIlleg * data$PctVacantBoarded))
  MSE
}
```

EXPLORATORY DATA ANALYSIS

```
library(MASS)

##
## Attaching package: 'MASS'
```

```
## The following object is masked from 'package:dplyr':
##
##   select
```

```
d <- read.csv("http://andrewpbray.github.io/data/crime-train.csv")
d_cleaned <- data.frame("blank" = rep(0, nrow(d)))
counter <- 1
```

```
for(i in 5:ncol(d)){
  if(d[1, i] != "?"){
    d_cleaned[[counter]] <- d[[i]]
    colnames(d_cleaned)[counter] <- colnames(d)[i]
    counter <- counter + 1
  }
}
```

```
corr_matrix <- cor(d_cleaned)
```

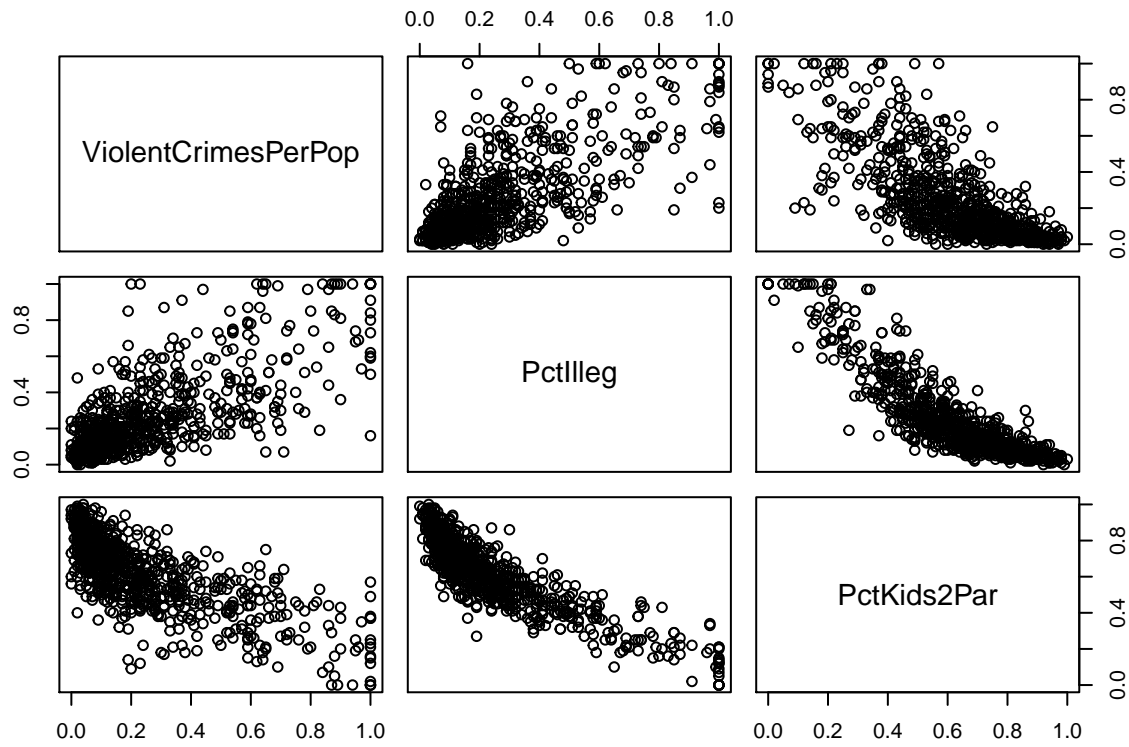
```
against_crim <- corr_matrix[nrow(corr_matrix),]
```

```
sorted <- sort(abs(against_crim), decreasing = TRUE)
sorted
```

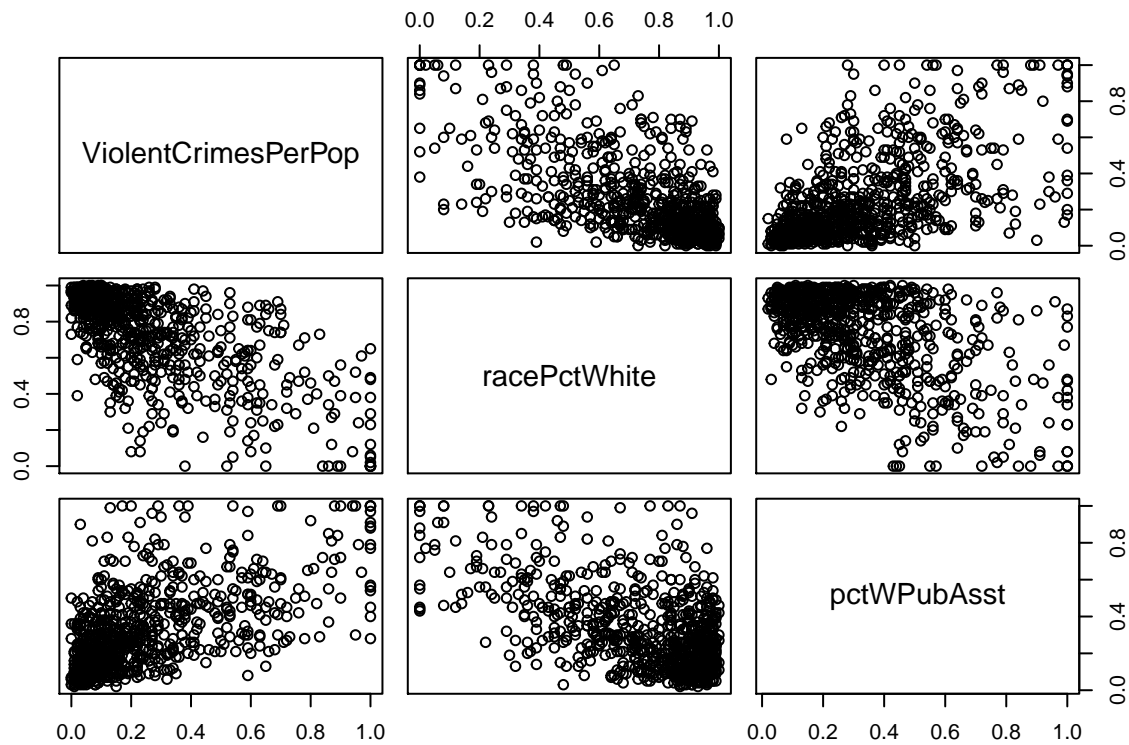
| | | | |
|----|---------------------|------------------|---------------------|
| ## | ViolentCrimesPerPop | PctIlleg | PctKids2Par |
| ## | 1.00000000 | 0.74352441 | 0.73929315 |
| ## | PctFam2Par | racePctWhite | PctYoungKids2Par |
| ## | 0.70528060 | 0.68885560 | 0.66897706 |
| ## | PctTeen2Par | racepctblack | pctWPubAsst |
| ## | 0.65329249 | 0.61396953 | 0.59227263 |
| ## | pctWInvInc | TotalPctDiv | FemalePctDiv |
| ## | 0.57620572 | 0.56515609 | 0.56419032 |
| ## | MalePctDivorce | PctPopUnderPov | PctUnemployed |
| ## | 0.54018366 | 0.53779772 | 0.53731986 |
| ## | PctPersOwnOccup | PctNotHSGrad | PctVacantBoarded |
| ## | 0.53377983 | 0.51567720 | 0.50895955 |
| ## | PctPersDenseHous | PctHousLess3BR | NumIlleg |
| ## | 0.50540251 | 0.49694082 | 0.49542797 |
| ## | PctHousNoPhone | PctHousOwnOcc | PctLess9thGrade |
| ## | 0.48488275 | 0.48147523 | 0.45567237 |
| ## | NumUnderPov | PctLargHouseFam | medFamInc |
| ## | 0.45390778 | 0.43062883 | 0.42398363 |
| ## | medIncome | HousVacant | MedNumBR |
| ## | 0.41384940 | 0.40353909 | 0.39714251 |
| ## | NumInShelters | PctW0FullPlumb | PctNotSpeakEnglWell |
| ## | 0.39694511 | 0.38798494 | 0.38597995 |
| ## | racePctHisp | numUrban | population |
| ## | 0.37526637 | 0.37483077 | 0.37066532 |
| ## | LemasPctOfficDrugUn | PctOccupMgmtProf | NumStreet |
| ## | 0.36681475 | 0.36141065 | 0.35737606 |
| ## | perCapInc | PopDens | PctLargHouseOccup |
| ## | 0.34862287 | 0.34196833 | 0.33953706 |
| ## | PctOccupManu | PctBSorMore | MedRentPctHousInc |
| ## | 0.33476343 | 0.33150986 | 0.32846021 |
| ## | PctEmploy | NumImmig | PctSpeakEnglOnly |
| ## | 0.32740291 | 0.32492255 | 0.32244668 |

| | | | |
|----|--------------------|-----------------------|------------------|
| ## | PctRecImmig10 | PctImmigRec10 | MalePctNevMarr |
| ## | 0.31827795 | 0.31277465 | 0.31010841 |
| ## | PctRecImmig8 | pctWWage | PctRecImmig5 |
| ## | 0.30279580 | 0.29962918 | 0.29501202 |
| ## | PctRecentImmig | PctHousOccup | PctImmigRec8 |
| ## | 0.28087817 | 0.26979027 | 0.26657334 |
| ## | blackPerCap | HispPerCap | PctForeignBorn |
| ## | 0.26352732 | 0.25883292 | 0.25346691 |
| ## | PersPerRentOccHous | RentLowQ | MedRent |
| ## | 0.25020053 | 0.23616004 | 0.22753962 |
| ## | RentMedian | whitePerCap | PctUsePubTrans |
| ## | 0.22219135 | 0.22204504 | 0.21336825 |
| ## | RentHighQ | PctImmigRec5 | PctWorkMom |
| ## | 0.21184794 | 0.20884691 | 0.19196402 |
| ## | pctWFarmSelf | OwnOccLowQuart | LandArea |
| ## | 0.19174832 | 0.19113369 | 0.18847682 |
| ## | MedYrHousBuilt | OwnOccMedVal | PersPerFam |
| ## | 0.17513688 | 0.17423559 | 0.17194429 |
| ## | PctImmigRecent | AsianPerCap | OwnOccHiQuart |
| ## | 0.17054361 | 0.16996957 | 0.16223122 |
| ## | pctUrban | agePct12t29 | PctSameCity85 |
| ## | 0.15474311 | 0.14025298 | 0.13192565 |
| ## | pctWSocSec | PctSameHouse85 | OtherPerCap |
| ## | 0.12082657 | 0.11254574 | 0.10880239 |
| ## | PctEmplProfServ | indianPerCap | pctWRetire |
| ## | 0.10331277 | 0.09625260 | 0.08997653 |
| ## | PersPerOwnOccHous | agePct16t24 | racePctAsian |
| ## | 0.08508545 | 0.08207684 | 0.07698748 |
| ## | PctBornSameState | PctWorkMomYoungKids | MedOwnCostPctInc |
| ## | 0.06845675 | 0.06341328 | 0.06093440 |
| ## | agePct65up | MedOwnCostPctIncNoMtg | householdsize |
| ## | 0.06033189 | 0.04860191 | 0.03861389 |
| ## | agePct12t21 | PctSameState85 | PctVacMore6Mos |
| ## | 0.03858255 | 0.03032880 | 0.02399628 |
| ## | PersPerOccupHous | PctEmplManu | |
| ## | 0.01870530 | 0.01761068 | |

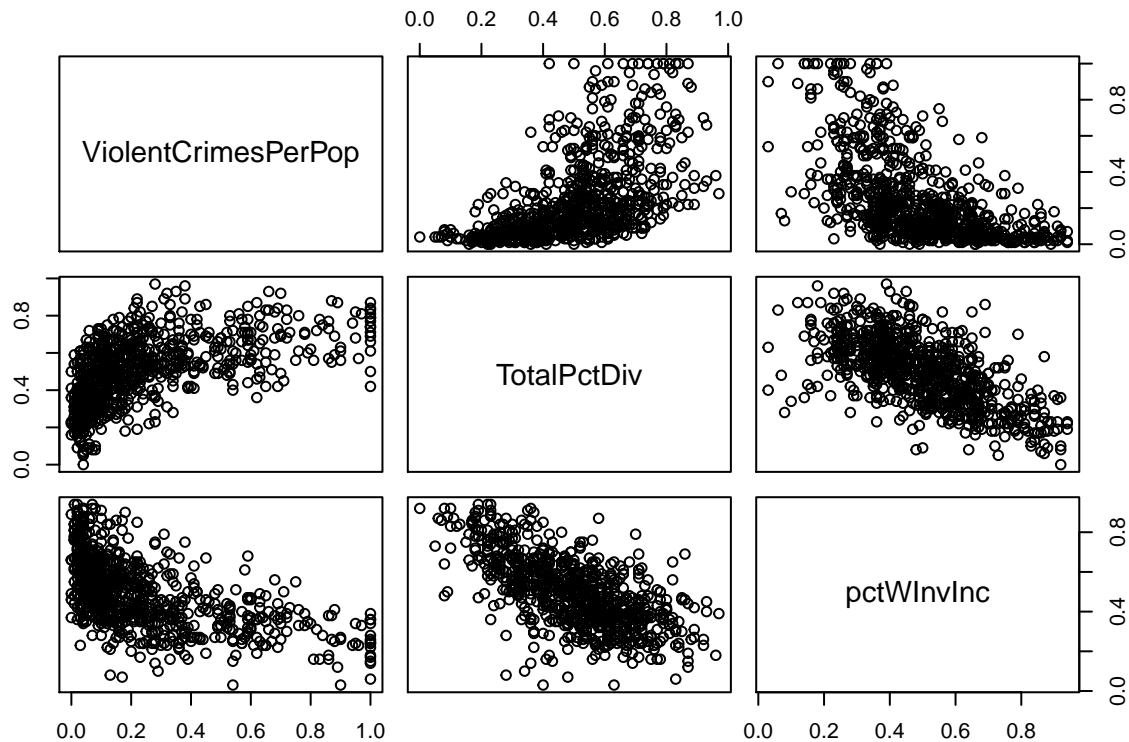
```
pairs(~ViolentCrimesPerPop + PctIlleg + PctKids2Par, d_cleaned)
```



```
pairs(~ViolentCrimesPerPop + racePctWhite + pctWPubAsst, d_cleaned)
```



```
pairs(~ViolentCrimesPerPop + TotalPctDiv + pctWInvInc, d_cleaned)
```



Out of all the predictors, the percentage of the population that are divorced (TotalPctDiv), percentage of households receiving rent/investment income in 1989 (pctWInvInc), percentage of households with public assistance income (pctWPubAsst), percentage of whites in the population (racePctWhite), percentage of “illegitimate” children (PctIlleg), and the percentage of families with kids in a two-parent household (PctKids2Par) seem to be the most strongly correlated with the per capita rate of violent crime (ViolentCrimesPerPop). #####
Checking for Multicollinearity

```
check_cor <- cor(d_cleaned)
round(check_cor, 2)
```

```
##          population householdsize racepctblack racePctWhite
## population          1.00         -0.03         0.22         -0.33
## householdsize      -0.03          1.00        -0.07         -0.20
## racepctblack        0.22        -0.07          1.00        -0.81
## racePctWhite       -0.33        -0.20        -0.81          1.00
## racePctAsian        0.22         0.23        -0.07        -0.33
## racePctHisp         0.24         0.45         0.02        -0.49
## agePct12t21         0.00         0.54         0.11        -0.16
## agePct12t29         0.13         0.34         0.14        -0.24
## agePct16t24         0.07         0.29         0.12        -0.16
## agePct65up         -0.10        -0.61         0.05         0.13
## numbUrban          0.99        -0.04         0.22        -0.33
## pctUrban           0.24         0.00         0.03        -0.12
## medIncome          -0.11         0.27        -0.35         0.27
## pctWWage           -0.02         0.45        -0.23         0.11
## pctWFarmSelf       -0.13         0.14        -0.18         0.15
## pctWInvInc         -0.17        -0.09        -0.49         0.56
## pctWSocSec         -0.11        -0.46         0.11         0.06
## pctWPubAsst         0.23         0.07         0.45        -0.57
## pctWRetire         -0.10        -0.31        -0.08         0.21
## medFamInc          -0.12         0.17        -0.34         0.30
## perCapInc          -0.07        -0.07        -0.27         0.27
```

| | | | | |
|------------------------|-------|-------|-------|-------|
| ## whitePerCap | 0.02 | -0.07 | -0.10 | 0.09 |
| ## blackPerCap | -0.06 | 0.09 | -0.24 | 0.14 |
| ## indianPerCap | -0.01 | 0.01 | -0.05 | 0.02 |
| ## AsianPerCap | -0.08 | -0.05 | -0.13 | 0.14 |
| ## OtherPerCap | -0.03 | 0.03 | -0.08 | 0.06 |
| ## HispPerCap | -0.10 | -0.07 | -0.15 | 0.20 |
| ## NumUnderPov | 0.94 | -0.01 | 0.32 | -0.40 |
| ## PctPopUnderPov | 0.21 | 0.00 | 0.51 | -0.53 |
| ## PctLess9thGrade | 0.09 | 0.08 | 0.33 | -0.44 |
| ## PctNotHSGrad | 0.09 | 0.02 | 0.38 | -0.45 |
| ## PctBSorMore | -0.01 | 0.02 | -0.18 | 0.20 |
| ## PctUnemployed | 0.20 | 0.08 | 0.42 | -0.50 |
| ## PctEmploy | -0.04 | 0.16 | -0.27 | 0.23 |
| ## PctEmplManu | -0.10 | 0.03 | -0.01 | 0.02 |
| ## PctEmplProfServ | 0.01 | -0.03 | 0.09 | 0.02 |
| ## PctOccupManu | -0.02 | 0.01 | 0.24 | -0.25 |
| ## PctOccupMgmtProf | -0.03 | -0.01 | -0.19 | 0.23 |
| ## MalePctDivorce | 0.24 | -0.47 | 0.38 | -0.34 |
| ## MalePctNevMarr | 0.26 | 0.12 | 0.28 | -0.37 |
| ## FemalePctDiv | 0.28 | -0.36 | 0.42 | -0.45 |
| ## TotalPctDiv | 0.26 | -0.43 | 0.42 | -0.41 |
| ## PersPerFam | 0.12 | 0.82 | 0.08 | -0.40 |
| ## PctFam2Par | -0.27 | 0.31 | -0.69 | 0.63 |
| ## PctKids2Par | -0.29 | 0.24 | -0.73 | 0.70 |
| ## PctYoungKids2Par | -0.24 | 0.23 | -0.65 | 0.58 |
| ## PctTeen2Par | -0.26 | 0.27 | -0.68 | 0.61 |
| ## PctWorkMomYoungKids | -0.08 | -0.24 | 0.10 | 0.06 |
| ## PctWorkMom | -0.14 | -0.26 | 0.01 | 0.20 |
| ## NumIlleg | 0.86 | -0.02 | 0.42 | -0.46 |
| ## PctIlleg | 0.33 | -0.01 | 0.81 | -0.79 |
| ## NumImmig | 0.80 | 0.09 | 0.12 | -0.34 |
| ## PctImmigRecent | 0.13 | 0.04 | 0.17 | -0.24 |
| ## PctImmigRec5 | 0.15 | 0.06 | 0.19 | -0.29 |
| ## PctImmigRec8 | 0.18 | 0.08 | 0.23 | -0.35 |
| ## PctImmigRec10 | 0.22 | 0.11 | 0.27 | -0.43 |
| ## PctRecentImmig | 0.25 | 0.27 | 0.03 | -0.45 |
| ## PctRecImmig5 | 0.25 | 0.29 | 0.04 | -0.47 |
| ## PctRecImmig8 | 0.26 | 0.29 | 0.05 | -0.48 |
| ## PctRecImmig10 | 0.27 | 0.30 | 0.06 | -0.50 |
| ## PctSpeakEnglOnly | -0.26 | -0.39 | 0.00 | 0.48 |
| ## PctNotSpeakEnglWell | 0.27 | 0.39 | 0.05 | -0.51 |
| ## PctLargHouseFam | 0.25 | 0.62 | 0.24 | -0.61 |
| ## PctLargHouseOccup | 0.18 | 0.71 | 0.16 | -0.54 |
| ## PersPerOccupHous | -0.02 | 0.88 | -0.09 | -0.21 |
| ## PersPerOwnOccHous | 0.03 | 0.81 | -0.14 | -0.13 |
| ## PersPerRentOccHous | 0.05 | 0.71 | 0.11 | -0.45 |
| ## PctPersOwnOccup | -0.27 | 0.17 | -0.39 | 0.51 |
| ## PctPersDenseHous | 0.27 | 0.47 | 0.22 | -0.67 |
| ## PctHousLess3BR | 0.24 | -0.37 | 0.27 | -0.37 |
| ## MedNumBR | -0.22 | 0.27 | -0.17 | 0.28 |
| ## HousVacant | 0.90 | -0.17 | 0.28 | -0.31 |
| ## PctHousOccup | -0.09 | 0.24 | -0.23 | 0.15 |
| ## PctHousOwnOcc | -0.28 | 0.21 | -0.35 | 0.45 |
| ## PctVacantBoarded | 0.32 | 0.06 | 0.46 | -0.46 |

| | | | | |
|--------------------------|--------------|-------------|-------------|-------------|
| ## PctVacMore6Mos | -0.10 | -0.05 | 0.17 | 0.00 |
| ## MedYrHousBuilt | -0.06 | 0.24 | -0.14 | 0.08 |
| ## PctHousNoPhone | 0.09 | -0.06 | 0.48 | -0.45 |
| ## PctW0FullPlumb | 0.16 | 0.10 | 0.31 | -0.41 |
| ## OwnOccLowQuart | 0.00 | 0.19 | -0.26 | 0.04 |
| ## OwnOccMedVal | 0.01 | 0.19 | -0.24 | 0.02 |
| ## OwnOccHiQuart | 0.02 | 0.16 | -0.21 | 0.01 |
| ## RentLowQ | -0.01 | 0.20 | -0.30 | 0.09 |
| ## RentMedian | -0.01 | 0.22 | -0.28 | 0.08 |
| ## RentHighQ | 0.00 | 0.24 | -0.26 | 0.07 |
| ## MedRent | -0.03 | 0.23 | -0.26 | 0.09 |
| ## MedRentPctHousInc | 0.15 | 0.16 | 0.20 | -0.35 |
| ## MedOwnCostPctInc | 0.11 | 0.29 | -0.05 | -0.18 |
| ## MedOwnCostPctIncNoMtg | -0.05 | -0.06 | 0.23 | -0.06 |
| ## NumInShelters | 0.83 | -0.09 | 0.24 | -0.32 |
| ## NumStreet | 0.63 | -0.06 | 0.18 | -0.27 |
| ## PctForeignBorn | 0.24 | 0.31 | -0.01 | -0.43 |
| ## PctBornSameState | -0.11 | -0.07 | 0.04 | 0.14 |
| ## PctSameHouse85 | -0.12 | -0.06 | -0.03 | 0.13 |
| ## PctSameCity85 | 0.03 | -0.09 | 0.08 | -0.05 |
| ## PctSameState85 | -0.03 | -0.02 | 0.00 | 0.01 |
| ## LandArea | 0.79 | -0.01 | 0.12 | -0.14 |
| ## PopDens | 0.24 | 0.00 | 0.17 | -0.39 |
| ## PctUsePubTrans | 0.28 | -0.01 | 0.23 | -0.30 |
| ## LemasPctOfficDrugUn | 0.45 | -0.08 | 0.27 | -0.32 |
| ## ViolentCrimesPerPop | 0.37 | -0.04 | 0.61 | -0.69 |
| ## | racePctAsian | racePctHisp | agePct12t21 | agePct12t29 |
| ## population | 0.22 | 0.24 | 0.00 | 0.13 |
| ## householdsize | 0.23 | 0.45 | 0.54 | 0.34 |
| ## racepctblack | -0.07 | 0.02 | 0.11 | 0.14 |
| ## racePctWhite | -0.33 | -0.49 | -0.16 | -0.24 |
| ## racePctAsian | 1.00 | 0.30 | -0.03 | 0.09 |
| ## racePctHisp | 0.30 | 1.00 | 0.14 | 0.22 |
| ## agePct12t21 | -0.03 | 0.14 | 1.00 | 0.80 |
| ## agePct12t29 | 0.09 | 0.22 | 0.80 | 1.00 |
| ## agePct16t24 | 0.04 | 0.09 | 0.88 | 0.93 |
| ## agePct65up | -0.26 | -0.24 | -0.39 | -0.51 |
| ## numbUrban | 0.24 | 0.24 | -0.01 | 0.12 |
| ## pctUrban | 0.28 | 0.13 | -0.19 | -0.01 |
| ## medIncome | 0.37 | -0.13 | -0.23 | -0.29 |
| ## pctWWage | 0.29 | 0.04 | 0.12 | 0.27 |
| ## pctWFarmSelf | -0.09 | 0.00 | 0.20 | 0.06 |
| ## pctWInvInc | 0.15 | -0.42 | -0.21 | -0.30 |
| ## pctWSocSec | -0.35 | -0.18 | -0.23 | -0.41 |
| ## pctWPubAsst | -0.03 | 0.42 | 0.18 | 0.16 |
| ## pctWRetire | -0.13 | -0.25 | -0.29 | -0.41 |
| ## medFamInc | 0.35 | -0.19 | -0.20 | -0.25 |
| ## perCapInc | 0.32 | -0.23 | -0.33 | -0.35 |
| ## whitePerCap | 0.36 | -0.18 | -0.32 | -0.32 |
| ## blackPerCap | 0.32 | -0.02 | -0.23 | -0.21 |
| ## indianPerCap | 0.13 | 0.02 | -0.17 | -0.15 |
| ## AsianPerCap | 0.10 | -0.08 | -0.25 | -0.31 |
| ## OtherPerCap | 0.20 | -0.08 | -0.15 | -0.14 |
| ## HispPerCap | 0.20 | -0.23 | -0.28 | -0.30 |

| | | | | |
|------------------------|-------|-------|-------|-------|
| ## NumUnderPov | 0.12 | 0.29 | 0.07 | 0.16 |
| ## PctPopUnderPov | -0.19 | 0.33 | 0.42 | 0.38 |
| ## PctLess9thGrade | -0.17 | 0.48 | 0.15 | 0.13 |
| ## PctNotHSGrad | -0.23 | 0.42 | 0.10 | 0.08 |
| ## PctBSorMore | 0.29 | -0.25 | 0.04 | 0.02 |
| ## PctUnemployed | -0.15 | 0.41 | 0.22 | 0.18 |
| ## PctEmploy | 0.22 | -0.10 | -0.14 | 0.08 |
| ## PctEmplManu | -0.09 | 0.00 | -0.08 | -0.09 |
| ## PctEmplProfServ | 0.02 | -0.23 | 0.33 | 0.22 |
| ## PctOccupManu | -0.27 | 0.21 | 0.09 | 0.06 |
| ## PctOccupMgmtProf | 0.28 | -0.28 | -0.08 | -0.12 |
| ## MalePctDivorce | -0.10 | 0.11 | -0.22 | 0.01 |
| ## MalePctNevMarr | 0.20 | 0.21 | 0.51 | 0.74 |
| ## FemalePctDiv | 0.01 | 0.24 | -0.14 | 0.10 |
| ## TotalPctDiv | -0.04 | 0.18 | -0.18 | 0.05 |
| ## PersPerFam | 0.24 | 0.60 | 0.28 | 0.18 |
| ## PctFam2Par | 0.12 | -0.19 | -0.11 | -0.25 |
| ## PctKids2Par | 0.10 | -0.26 | -0.12 | -0.23 |
| ## PctYoungKids2Par | 0.17 | -0.18 | -0.12 | -0.18 |
| ## PctTeen2Par | 0.09 | -0.17 | -0.11 | -0.26 |
| ## PctWorkMomYoungKids | -0.16 | -0.25 | -0.05 | 0.08 |
| ## PctWorkMom | -0.19 | -0.37 | -0.07 | 0.05 |
| ## NumIlleg | 0.10 | 0.24 | 0.03 | 0.13 |
| ## PctIlleg | -0.02 | 0.31 | 0.16 | 0.28 |
| ## NumImmig | 0.37 | 0.42 | -0.01 | 0.11 |
| ## PctImmigRecent | 0.18 | 0.11 | 0.34 | 0.43 |
| ## PctImmigRec5 | 0.22 | 0.16 | 0.35 | 0.47 |
| ## PctImmigRec8 | 0.30 | 0.20 | 0.33 | 0.47 |
| ## PctImmigRec10 | 0.33 | 0.28 | 0.31 | 0.47 |
| ## PctRecentImmig | 0.65 | 0.64 | 0.07 | 0.25 |
| ## PctRecImmig5 | 0.65 | 0.66 | 0.06 | 0.24 |
| ## PctRecImmig8 | 0.68 | 0.66 | 0.04 | 0.22 |
| ## PctRecImmig10 | 0.68 | 0.68 | 0.03 | 0.21 |
| ## PctSpeakEnglOnly | -0.50 | -0.88 | -0.06 | -0.17 |
| ## PctNotSpeakEnglWell | 0.40 | 0.89 | 0.08 | 0.20 |
| ## PctLargHouseFam | 0.29 | 0.75 | 0.25 | 0.24 |
| ## PctLargHouseOccup | 0.28 | 0.74 | 0.25 | 0.20 |
| ## PersPerOccupHous | 0.24 | 0.49 | 0.22 | 0.05 |
| ## PersPerOwnOccHous | 0.23 | 0.42 | 0.23 | 0.12 |
| ## PersPerRentOccHous | 0.27 | 0.63 | 0.25 | 0.15 |
| ## PctPersOwnOccup | -0.11 | -0.37 | -0.24 | -0.57 |
| ## PctPersDenseHous | 0.39 | 0.88 | 0.20 | 0.29 |
| ## PctHousLess3BR | 0.02 | 0.34 | -0.01 | 0.31 |
| ## MedNumBR | -0.06 | -0.31 | -0.02 | -0.28 |
| ## HousVacant | 0.07 | 0.16 | -0.05 | 0.07 |
| ## PctHousOccup | 0.25 | -0.06 | 0.04 | 0.04 |
| ## PctHousOwnOcc | -0.09 | -0.31 | -0.23 | -0.59 |
| ## PctVacantBoarded | -0.12 | 0.21 | 0.13 | 0.10 |
| ## PctVacMore6Mos | -0.39 | -0.15 | 0.02 | -0.19 |
| ## MedYrHousBuilt | 0.05 | 0.05 | 0.05 | 0.03 |
| ## PctHousNoPhone | -0.29 | 0.27 | 0.24 | 0.19 |
| ## PctWOfullPlumb | -0.07 | 0.39 | 0.16 | 0.14 |
| ## OwnOccLowQuart | 0.59 | 0.10 | -0.19 | -0.12 |
| ## OwnOccMedVal | 0.59 | 0.11 | -0.18 | -0.12 |

| | | | | | |
|--------------------------|-------------|------------|-----------|----------|-----------|
| ## OwnOccHiQuart | 0.57 | 0.09 | -0.17 | -0.13 | |
| ## RentLowQ | 0.55 | 0.10 | -0.24 | -0.11 | |
| ## RentMedian | 0.54 | 0.09 | -0.24 | -0.14 | |
| ## RentHighQ | 0.54 | 0.09 | -0.22 | -0.14 | |
| ## MedRent | 0.51 | 0.06 | -0.25 | -0.18 | |
| ## MedRentPctHousInc | 0.21 | 0.32 | 0.18 | 0.16 | |
| ## MedOwnCostPctInc | 0.38 | 0.36 | -0.12 | 0.02 | |
| ## MedOwnCostPctIncNoMtg | -0.25 | -0.08 | -0.10 | -0.09 | |
| ## NumInShelters | 0.18 | 0.17 | -0.01 | 0.11 | |
| ## NumStreet | 0.20 | 0.19 | -0.04 | 0.06 | |
| ## PctForeignBorn | 0.67 | 0.69 | -0.05 | 0.10 | |
| ## PctBornSameState | -0.40 | -0.24 | 0.05 | -0.06 | |
| ## PctSameHouse85 | -0.18 | -0.14 | -0.32 | -0.55 | |
| ## PctSameCity85 | -0.18 | 0.04 | -0.32 | -0.46 | |
| ## PctSameState85 | -0.17 | 0.01 | -0.16 | -0.31 | |
| ## LandArea | 0.03 | 0.09 | 0.01 | 0.05 | |
| ## PopDens | 0.37 | 0.42 | -0.05 | 0.18 | |
| ## PctUsePubTrans | 0.28 | 0.15 | -0.10 | 0.04 | |
| ## LemasPctOfficDrugUn | 0.12 | 0.21 | 0.00 | 0.13 | |
| ## ViolentCrimesPerPop | 0.08 | 0.38 | 0.04 | 0.14 | |
| ## | agePct16t24 | agePct65up | numbUrban | pctUrban | medIncome |
| ## population | 0.07 | -0.10 | 0.99 | 0.24 | -0.11 |
| ## householdsize | 0.29 | -0.61 | -0.04 | 0.00 | 0.27 |
| ## racepctblack | 0.12 | 0.05 | 0.22 | 0.03 | -0.35 |
| ## racePctWhite | -0.16 | 0.13 | -0.33 | -0.12 | 0.27 |
| ## racePctAsian | 0.04 | -0.26 | 0.24 | 0.28 | 0.37 |
| ## racePctHisp | 0.09 | -0.24 | 0.24 | 0.13 | -0.13 |
| ## agePct12t21 | 0.88 | -0.39 | -0.01 | -0.19 | -0.23 |
| ## agePct12t29 | 0.93 | -0.51 | 0.12 | -0.01 | -0.29 |
| ## agePct16t24 | 1.00 | -0.30 | 0.06 | -0.08 | -0.27 |
| ## agePct65up | -0.30 | 1.00 | -0.10 | -0.13 | -0.33 |
| ## numbUrban | 0.06 | -0.10 | 1.00 | 0.32 | -0.09 |
| ## pctUrban | -0.08 | -0.13 | 0.32 | 1.00 | 0.27 |
| ## medIncome | -0.27 | -0.33 | -0.09 | 0.27 | 1.00 |
| ## pctWWage | 0.10 | -0.85 | 0.00 | 0.22 | 0.62 |
| ## pctWFarmSelf | 0.09 | -0.12 | -0.15 | -0.37 | 0.00 |
| ## pctWInvInc | -0.16 | 0.04 | -0.15 | 0.14 | 0.76 |
| ## pctWSocSec | -0.21 | 0.95 | -0.12 | -0.19 | -0.45 |
| ## pctWPubAsst | 0.13 | 0.16 | 0.21 | -0.12 | -0.65 |
| ## pctWRetire | -0.25 | 0.63 | -0.09 | 0.06 | -0.09 |
| ## medFamInc | -0.20 | -0.25 | -0.09 | 0.26 | 0.98 |
| ## perCapInc | -0.27 | -0.07 | -0.05 | 0.26 | 0.90 |
| ## whitePerCap | -0.25 | -0.07 | 0.04 | 0.28 | 0.84 |
| ## blackPerCap | -0.21 | -0.22 | -0.04 | 0.21 | 0.69 |
| ## indianPerCap | -0.16 | -0.04 | 0.00 | 0.11 | 0.29 |
| ## AsianPerCap | -0.26 | 0.05 | -0.07 | 0.09 | 0.45 |
| ## OtherPerCap | -0.15 | -0.12 | -0.02 | 0.15 | 0.42 |
| ## HispPerCap | -0.26 | -0.03 | -0.08 | 0.21 | 0.63 |
| ## NumUnderPov | 0.11 | -0.06 | 0.94 | 0.18 | -0.24 |
| ## PctPopUnderPov | 0.40 | 0.15 | 0.18 | -0.23 | -0.78 |
| ## PctLess9thGrade | 0.11 | 0.22 | 0.07 | -0.21 | -0.62 |
| ## PctNotHSGrad | 0.05 | 0.29 | 0.07 | -0.19 | -0.71 |
| ## PctBSorMore | 0.12 | -0.22 | 0.00 | 0.17 | 0.71 |
| ## PctUnemployed | 0.16 | 0.16 | 0.18 | -0.12 | -0.66 |

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|------------------------|-------|-------|-------|-------|-------|
| ## PctEmploy | -0.10 | -0.66 | -0.02 | 0.22 | 0.62 |
| ## PctEmplManu | -0.14 | 0.02 | -0.10 | -0.14 | -0.09 |
| ## PctEmplProfServ | 0.39 | 0.08 | 0.01 | -0.01 | 0.09 |
| ## PctOccupManu | 0.00 | 0.17 | -0.04 | -0.27 | -0.63 |
| ## PctOccupMgmtProf | -0.02 | -0.15 | -0.02 | 0.19 | 0.75 |
| ## MalePctDivorce | -0.10 | 0.18 | 0.23 | 0.00 | -0.58 |
| ## MalePctNevMarr | 0.75 | -0.20 | 0.27 | 0.17 | -0.14 |
| ## FemalePctDiv | -0.03 | 0.05 | 0.28 | 0.07 | -0.55 |
| ## TotalPctDiv | -0.07 | 0.12 | 0.26 | 0.03 | -0.58 |
| ## PersPerFam | 0.02 | -0.59 | 0.13 | 0.09 | 0.13 |
| ## PctFam2Par | -0.23 | -0.27 | -0.27 | 0.00 | 0.73 |
| ## PctKids2Par | -0.21 | -0.25 | -0.28 | -0.01 | 0.71 |
| ## PctYoungKids2Par | -0.17 | -0.25 | -0.22 | 0.07 | 0.71 |
| ## PctTeen2Par | -0.24 | -0.20 | -0.26 | -0.07 | 0.60 |
| ## PctWorkMomYoungKids | 0.04 | -0.01 | -0.08 | -0.09 | -0.14 |
| ## PctWorkMom | 0.03 | -0.01 | -0.15 | -0.10 | -0.03 |
| ## NumIlleg | 0.08 | -0.05 | 0.86 | 0.18 | -0.20 |
| ## PctIlleg | 0.22 | 0.02 | 0.33 | 0.09 | -0.47 |
| ## NumImmig | 0.04 | -0.11 | 0.80 | 0.20 | -0.03 |
| ## PctImmigRecent | 0.44 | -0.17 | 0.12 | 0.01 | -0.11 |
| ## PctImmigRec5 | 0.46 | -0.20 | 0.14 | 0.04 | -0.13 |
| ## PctImmigRec8 | 0.45 | -0.24 | 0.18 | 0.08 | -0.11 |
| ## PctImmigRec10 | 0.41 | -0.27 | 0.22 | 0.08 | -0.13 |
| ## PctRecentImmig | 0.18 | -0.21 | 0.26 | 0.29 | 0.14 |
| ## PctRecImmig5 | 0.16 | -0.22 | 0.27 | 0.30 | 0.14 |
| ## PctRecImmig8 | 0.14 | -0.22 | 0.28 | 0.31 | 0.16 |
| ## PctRecImmig10 | 0.12 | -0.22 | 0.29 | 0.31 | 0.14 |
| ## PctSpeakEnglOnly | -0.07 | 0.18 | -0.27 | -0.24 | -0.02 |
| ## PctNotSpeakEnglWell | 0.09 | -0.18 | 0.28 | 0.21 | -0.08 |
| ## PctLargHouseFam | 0.10 | -0.31 | 0.25 | 0.14 | -0.14 |
| ## PctLargHouseOccup | 0.07 | -0.35 | 0.18 | 0.12 | -0.06 |
| ## PersPerOccupHous | -0.08 | -0.60 | -0.01 | 0.08 | 0.34 |
| ## PersPerOwnOccHous | -0.02 | -0.66 | 0.04 | 0.15 | 0.39 |
| ## PersPerRentOccHous | 0.02 | -0.41 | 0.05 | 0.00 | -0.04 |
| ## PctPersOwnOccup | -0.46 | 0.03 | -0.27 | -0.04 | 0.60 |
| ## PctPersDenseHous | 0.15 | -0.26 | 0.27 | 0.13 | -0.24 |
| ## PctHousLess3BR | 0.25 | 0.28 | 0.24 | 0.05 | -0.62 |
| ## MedNumBR | -0.24 | -0.21 | -0.22 | -0.12 | 0.44 |
| ## HousVacant | 0.04 | 0.04 | 0.89 | 0.20 | -0.19 |
| ## PctHousOccup | 0.00 | -0.32 | -0.08 | 0.16 | 0.38 |
| ## PctHousOwnOcc | -0.48 | 0.05 | -0.27 | -0.06 | 0.57 |
| ## PctVacantBoarded | 0.06 | 0.01 | 0.31 | 0.04 | -0.37 |
| ## PctVacMore6Mos | -0.12 | 0.28 | -0.12 | -0.30 | -0.22 |
| ## MedYrHousBuilt | -0.04 | -0.39 | -0.07 | -0.04 | 0.19 |
| ## PctHousNoPhone | 0.18 | 0.19 | 0.05 | -0.35 | -0.73 |
| ## PctWOFullPlumb | 0.12 | 0.06 | 0.14 | -0.16 | -0.44 |
| ## OwnOccLowQuart | -0.11 | -0.20 | 0.03 | 0.30 | 0.80 |
| ## OwnOccMedVal | -0.10 | -0.18 | 0.04 | 0.29 | 0.80 |
| ## OwnOccHiQuart | -0.09 | -0.16 | 0.05 | 0.28 | 0.79 |
| ## RentLowQ | -0.15 | -0.30 | 0.02 | 0.38 | 0.82 |
| ## RentMedian | -0.16 | -0.26 | 0.02 | 0.36 | 0.86 |
| ## RentHighQ | -0.14 | -0.26 | 0.03 | 0.34 | 0.87 |
| ## MedRent | -0.19 | -0.26 | 0.00 | 0.34 | 0.87 |
| ## MedRentPctHousInc | 0.23 | 0.09 | 0.14 | 0.06 | -0.15 |

| | | | | | |
|--------------------------|----------|--------------|------------|------------|-------|
| ## MedOwnCostPctInc | -0.05 | -0.22 | 0.12 | 0.22 | 0.39 |
| ## MedOwnCostPctIncNoMtg | -0.07 | 0.19 | -0.05 | -0.02 | -0.02 |
| ## NumInShelters | 0.07 | -0.03 | 0.82 | 0.17 | -0.14 |
| ## NumStreet | 0.03 | -0.03 | 0.63 | 0.13 | -0.09 |
| ## PctForeignBorn | 0.03 | -0.16 | 0.26 | 0.34 | 0.23 |
| ## PctBornSameState | -0.04 | 0.15 | -0.12 | -0.24 | -0.28 |
| ## PctSameHouse85 | -0.45 | 0.36 | -0.10 | 0.05 | 0.18 |
| ## PctSameCity85 | -0.45 | 0.32 | 0.04 | 0.07 | -0.07 |
| ## PctSameState85 | -0.29 | 0.22 | -0.03 | -0.05 | -0.10 |
| ## LandArea | 0.02 | -0.10 | 0.77 | 0.07 | -0.05 |
| ## PopDens | 0.10 | -0.03 | 0.27 | 0.36 | -0.05 |
| ## PctUsePubTrans | 0.03 | -0.01 | 0.30 | 0.32 | 0.20 |
| ## LemasPctOfficDrugUn | 0.09 | -0.01 | 0.46 | 0.27 | -0.15 |
| ## ViolentCrimesPerPop | 0.08 | 0.06 | 0.37 | 0.15 | -0.41 |
| ## | pctWWage | pctWFarmSelf | pctWInvInc | pctWSocSec | |
| ## population | -0.02 | -0.13 | -0.17 | -0.11 | |
| ## householdsize | 0.45 | 0.14 | -0.09 | -0.46 | |
| ## racepctblack | -0.23 | -0.18 | -0.49 | 0.11 | |
| ## racePctWhite | 0.11 | 0.15 | 0.56 | 0.06 | |
| ## racePctAsian | 0.29 | -0.09 | 0.15 | -0.35 | |
| ## racePctHisp | 0.04 | 0.00 | -0.42 | -0.18 | |
| ## agePct12t21 | 0.12 | 0.20 | -0.21 | -0.23 | |
| ## agePct12t29 | 0.27 | 0.06 | -0.30 | -0.41 | |
| ## agePct16t24 | 0.10 | 0.09 | -0.16 | -0.21 | |
| ## agePct65up | -0.85 | -0.12 | 0.04 | 0.95 | |
| ## numbUrban | 0.00 | -0.15 | -0.15 | -0.12 | |
| ## pctUrban | 0.22 | -0.37 | 0.14 | -0.19 | |
| ## medIncome | 0.62 | 0.00 | 0.76 | -0.45 | |
| ## pctWWage | 1.00 | 0.08 | 0.31 | -0.91 | |
| ## pctWFarmSelf | 0.08 | 1.00 | 0.06 | -0.10 | |
| ## pctWInvInc | 0.31 | 0.06 | 1.00 | -0.10 | |
| ## pctWSocSec | -0.91 | -0.10 | -0.10 | 1.00 | |
| ## pctWPubAsst | -0.55 | -0.12 | -0.74 | 0.32 | |
| ## pctWRetire | -0.51 | -0.23 | 0.19 | 0.62 | |
| ## medFamInc | 0.56 | 0.01 | 0.81 | -0.39 | |
| ## perCapInc | 0.39 | -0.01 | 0.81 | -0.25 | |
| ## whitePerCap | 0.36 | -0.03 | 0.73 | -0.24 | |
| ## blackPerCap | 0.42 | -0.07 | 0.49 | -0.33 | |
| ## indianPerCap | 0.15 | -0.09 | 0.19 | -0.10 | |
| ## AsianPerCap | 0.12 | -0.01 | 0.39 | -0.02 | |
| ## OtherPerCap | 0.26 | -0.06 | 0.29 | -0.19 | |
| ## HispPerCap | 0.28 | -0.09 | 0.55 | -0.14 | |
| ## NumUnderPov | -0.13 | -0.11 | -0.28 | -0.04 | |
| ## PctPopUnderPov | -0.55 | 0.07 | -0.72 | 0.30 | |
| ## PctLess9thGrade | -0.48 | 0.04 | -0.70 | 0.37 | |
| ## PctNotHSGrad | -0.56 | -0.07 | -0.79 | 0.45 | |
| ## PctBSorMore | 0.43 | 0.12 | 0.77 | -0.36 | |
| ## PctUnemployed | -0.53 | -0.13 | -0.72 | 0.33 | |
| ## PctEmploy | 0.88 | 0.05 | 0.39 | -0.77 | |
| ## PctEmplManu | -0.03 | -0.12 | -0.19 | 0.09 | |
| ## PctEmplProfServ | -0.08 | 0.14 | 0.37 | 0.06 | |
| ## PctOccupManu | -0.39 | -0.09 | -0.69 | 0.33 | |
| ## PctOccupMgmtProf | 0.39 | 0.10 | 0.79 | -0.31 | |
| ## MalePctDivorce | -0.36 | -0.19 | -0.60 | 0.17 | |

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|--------------------------|-------|-------|-------|-------|
| ## MalePctNevMarr | 0.05 | -0.13 | -0.10 | -0.17 |
| ## FemalePctDiv | -0.27 | -0.19 | -0.64 | 0.04 |
| ## TotalPctDiv | -0.33 | -0.19 | -0.64 | 0.11 |
| ## PersPerFam | 0.38 | 0.05 | -0.32 | -0.43 |
| ## PctFam2Par | 0.55 | 0.24 | 0.70 | -0.34 |
| ## PctKids2Par | 0.54 | 0.23 | 0.74 | -0.33 |
| ## PctYoungKids2Par | 0.56 | 0.20 | 0.70 | -0.35 |
| ## PctTeen2Par | 0.45 | 0.22 | 0.59 | -0.25 |
| ## PctWorkMomYoungKids | 0.13 | 0.08 | 0.01 | -0.05 |
| ## PctWorkMom | 0.21 | 0.09 | 0.16 | -0.07 |
| ## NumIlleg | -0.13 | -0.15 | -0.28 | -0.03 |
| ## PctIlleg | -0.29 | -0.24 | -0.61 | 0.11 |
| ## NumImmig | 0.03 | -0.11 | -0.15 | -0.14 |
| ## PctImmigRecent | 0.07 | 0.04 | -0.11 | -0.19 |
| ## PctImmigRec5 | 0.09 | 0.03 | -0.17 | -0.21 |
| ## PctImmigRec8 | 0.12 | 0.05 | -0.19 | -0.26 |
| ## PctImmigRec10 | 0.12 | 0.05 | -0.26 | -0.29 |
| ## PctRecentImmig | 0.16 | -0.13 | -0.09 | -0.26 |
| ## PctRecImmig5 | 0.16 | -0.14 | -0.11 | -0.26 |
| ## PctRecImmig8 | 0.17 | -0.13 | -0.11 | -0.27 |
| ## PctRecImmig10 | 0.16 | -0.13 | -0.13 | -0.26 |
| ## PctSpeakEnglOnly | -0.06 | 0.09 | 0.25 | 0.16 |
| ## PctNotSpeakEnglWell | 0.01 | -0.08 | -0.36 | -0.14 |
| ## PctLargHouseFam | 0.05 | -0.03 | -0.50 | -0.17 |
| ## PctLargHouseOccup | 0.12 | 0.00 | -0.45 | -0.21 |
| ## PersPerOccupHous | 0.49 | 0.08 | -0.13 | -0.47 |
| ## PersPerOwnOccHous | 0.59 | 0.05 | -0.04 | -0.56 |
| ## PersPerRentOccHous | 0.17 | 0.07 | -0.46 | -0.28 |
| ## PctPersOwnOccup | 0.22 | 0.14 | 0.58 | 0.02 |
| ## PctPersDenseHous | 0.00 | -0.04 | -0.57 | -0.18 |
| ## PctHousLess3BR | -0.43 | -0.17 | -0.49 | 0.26 |
| ## MedNumBR | 0.31 | 0.13 | 0.35 | -0.18 |
| ## HousVacant | -0.15 | -0.12 | -0.19 | 0.01 |
| ## PctHousOccup | 0.43 | -0.05 | 0.30 | -0.32 |
| ## PctHousOwnOcc | 0.18 | 0.15 | 0.51 | 0.04 |
| ## PctVacantBoarded | -0.27 | -0.08 | -0.46 | 0.13 |
| ## PctVacMore6Mos | -0.36 | 0.08 | -0.13 | 0.37 |
| ## MedYrHousBuilt | 0.42 | 0.27 | 0.03 | -0.44 |
| ## PctHousNoPhone | -0.51 | 0.11 | -0.75 | 0.32 |
| ## PctWOFullPlumb | -0.32 | 0.00 | -0.52 | 0.16 |
| ## OwnOccLowQuart | 0.41 | -0.09 | 0.57 | -0.33 |
| ## OwnOccMedVal | 0.38 | -0.08 | 0.57 | -0.32 |
| ## OwnOccHiQuart | 0.35 | -0.06 | 0.58 | -0.29 |
| ## RentLowQ | 0.55 | -0.16 | 0.57 | -0.44 |
| ## RentMedian | 0.51 | -0.14 | 0.60 | -0.40 |
| ## RentHighQ | 0.50 | -0.12 | 0.61 | -0.40 |
| ## MedRent | 0.52 | -0.14 | 0.60 | -0.40 |
| ## MedRentPctHousInc | -0.26 | -0.12 | -0.21 | 0.13 |
| ## MedOwnCostPctInc | 0.27 | -0.13 | 0.09 | -0.29 |
| ## MedOwnCostPctIncNoMtg | -0.15 | -0.16 | -0.06 | 0.24 |
| ## NumInShelters | -0.09 | -0.11 | -0.14 | -0.05 |
| ## NumStreet | -0.07 | -0.07 | -0.13 | -0.05 |
| ## PctForeignBorn | 0.15 | -0.16 | -0.05 | -0.21 |
| ## PctBornSameState | -0.21 | 0.09 | -0.18 | 0.28 |

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|------------------------|-------------|------------|-----------|-----------|
| ## PctSameHouse85 | -0.21 | -0.12 | 0.19 | 0.41 |
| ## PctSameCity85 | -0.29 | -0.15 | -0.14 | 0.39 |
| ## PctSameState85 | -0.22 | 0.00 | -0.15 | 0.32 |
| ## LandArea | 0.04 | -0.01 | -0.07 | -0.11 |
| ## PopDens | -0.03 | -0.29 | -0.16 | -0.06 |
| ## PctUsePubTrans | 0.05 | -0.25 | 0.11 | -0.05 |
| ## LemasPctOfficDrugUn | -0.09 | -0.18 | -0.19 | -0.01 |
| ## ViolentCrimesPerPop | -0.30 | -0.19 | -0.58 | 0.12 |
| ## | pctWPubAsst | pctWRetire | medFamInc | perCapInc |
| ## population | 0.23 | -0.10 | -0.12 | -0.07 |
| ## householdsize | 0.07 | -0.31 | 0.17 | -0.07 |
| ## racepctblack | 0.45 | -0.08 | -0.34 | -0.27 |
| ## racePctWhite | -0.57 | 0.21 | 0.30 | 0.27 |
| ## racePctAsian | -0.03 | -0.13 | 0.35 | 0.32 |
| ## racePctHisp | 0.42 | -0.25 | -0.19 | -0.23 |
| ## agePct12t21 | 0.18 | -0.29 | -0.20 | -0.33 |
| ## agePct12t29 | 0.16 | -0.41 | -0.25 | -0.35 |
| ## agePct16t24 | 0.13 | -0.25 | -0.20 | -0.27 |
| ## agePct65up | 0.16 | 0.63 | -0.25 | -0.07 |
| ## numbUrban | 0.21 | -0.09 | -0.09 | -0.05 |
| ## pctUrban | -0.12 | 0.06 | 0.26 | 0.26 |
| ## medIncome | -0.65 | -0.09 | 0.98 | 0.90 |
| ## pctWWage | -0.55 | -0.51 | 0.56 | 0.39 |
| ## pctWFarmSelf | -0.12 | -0.23 | 0.01 | -0.01 |
| ## pctWInvInc | -0.74 | 0.19 | 0.81 | 0.81 |
| ## pctWSocSec | 0.32 | 0.62 | -0.39 | -0.25 |
| ## pctWPubAsst | 1.00 | -0.01 | -0.67 | -0.63 |
| ## pctWRetire | -0.01 | 1.00 | -0.08 | -0.02 |
| ## medFamInc | -0.67 | -0.08 | 1.00 | 0.94 |
| ## perCapInc | -0.63 | -0.02 | 0.94 | 1.00 |
| ## whitePerCap | -0.54 | -0.06 | 0.89 | 0.97 |
| ## blackPerCap | -0.41 | -0.09 | 0.68 | 0.65 |
| ## indianPerCap | -0.18 | 0.05 | 0.28 | 0.29 |
| ## AsianPerCap | -0.29 | 0.04 | 0.47 | 0.52 |
| ## OtherPerCap | -0.29 | -0.05 | 0.41 | 0.40 |
| ## HispPerCap | -0.45 | 0.06 | 0.65 | 0.67 |
| ## NumUnderPov | 0.38 | -0.11 | -0.25 | -0.19 |
| ## PctPopUnderPov | 0.80 | -0.11 | -0.75 | -0.68 |
| ## PctLess9thGrade | 0.73 | -0.12 | -0.64 | -0.61 |
| ## PctNotHSGrad | 0.78 | -0.01 | -0.74 | -0.70 |
| ## PctBSorMore | -0.58 | -0.16 | 0.79 | 0.82 |
| ## PctUnemployed | 0.85 | 0.07 | -0.68 | -0.65 |
| ## PctEmploy | -0.63 | -0.44 | 0.57 | 0.46 |
| ## PctEmplManu | 0.16 | -0.08 | -0.12 | -0.18 |
| ## PctEmplProfServ | -0.09 | 0.06 | 0.19 | 0.25 |
| ## PctOccupManu | 0.60 | -0.02 | -0.68 | -0.69 |
| ## PctOccupMgmtProf | -0.59 | -0.07 | 0.82 | 0.86 |
| ## MalePctDivorce | 0.47 | 0.00 | -0.57 | -0.43 |
| ## MalePctNevMarr | 0.23 | -0.25 | -0.06 | -0.07 |
| ## FemalePctDiv | 0.51 | -0.09 | -0.55 | -0.41 |
| ## TotalPctDiv | 0.51 | -0.05 | -0.58 | -0.43 |
| ## PersPerFam | 0.28 | -0.39 | 0.01 | -0.18 |
| ## PctFam2Par | -0.74 | -0.01 | 0.70 | 0.56 |
| ## PctKids2Par | -0.76 | 0.00 | 0.69 | 0.57 |

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|--------------------------|-------|-------|-------|-------|
| ## PctYoungKids2Par | -0.78 | -0.02 | 0.70 | 0.59 |
| ## PctTeen2Par | -0.62 | 0.03 | 0.57 | 0.44 |
| ## PctWorkMomYoungKids | -0.25 | -0.12 | -0.12 | -0.11 |
| ## PctWorkMom | -0.40 | -0.07 | -0.01 | -0.03 |
| ## NumIlleg | 0.39 | -0.10 | -0.21 | -0.15 |
| ## PctIlleg | 0.67 | -0.15 | -0.47 | -0.41 |
| ## NumImmig | 0.22 | -0.14 | -0.05 | -0.02 |
| ## PctImmigRecent | 0.07 | -0.26 | -0.06 | -0.05 |
| ## PctImmigRec5 | 0.11 | -0.31 | -0.09 | -0.07 |
| ## PctImmigRec8 | 0.11 | -0.35 | -0.07 | -0.06 |
| ## PctImmigRec10 | 0.16 | -0.40 | -0.11 | -0.10 |
| ## PctRecentImmig | 0.17 | -0.27 | 0.14 | 0.13 |
| ## PctRecImmig5 | 0.18 | -0.28 | 0.13 | 0.12 |
| ## PctRecImmig8 | 0.18 | -0.28 | 0.14 | 0.13 |
| ## PctRecImmig10 | 0.20 | -0.29 | 0.12 | 0.11 |
| ## PctSpeakEnglOnly | -0.34 | 0.23 | 0.02 | 0.04 |
| ## PctNotSpeakEnglWell | 0.43 | -0.26 | -0.13 | -0.15 |
| ## PctLargHouseFam | 0.52 | -0.27 | -0.22 | -0.31 |
| ## PctLargHouseOccup | 0.45 | -0.26 | -0.16 | -0.28 |
| ## PersPerOccupHous | 0.07 | -0.30 | 0.20 | -0.02 |
| ## PersPerOwnOccHous | -0.02 | -0.37 | 0.28 | 0.05 |
| ## PersPerRentOccHous | 0.36 | -0.24 | -0.17 | -0.30 |
| ## PctPersOwnOccup | -0.54 | 0.21 | 0.56 | 0.46 |
| ## PctPersDenseHous | 0.55 | -0.30 | -0.31 | -0.34 |
| ## PctHousLess3BR | 0.45 | -0.06 | -0.56 | -0.42 |
| ## MedNumBR | -0.34 | 0.05 | 0.40 | 0.29 |
| ## HousVacant | 0.22 | -0.03 | -0.19 | -0.09 |
| ## PctHousOccup | -0.19 | -0.12 | 0.36 | 0.24 |
| ## PctHousOwnOcc | -0.48 | 0.23 | 0.51 | 0.41 |
| ## PctVacantBoarded | 0.54 | -0.03 | -0.39 | -0.35 |
| ## PctVacMore6Mos | 0.18 | 0.17 | -0.22 | -0.20 |
| ## MedYrHousBuilt | -0.32 | -0.24 | 0.12 | 0.05 |
| ## PctHousNoPhone | 0.68 | -0.11 | -0.73 | -0.65 |
| ## PctWOFullPlumb | 0.57 | -0.13 | -0.46 | -0.42 |
| ## OwnOccLowQuart | -0.39 | -0.08 | 0.81 | 0.79 |
| ## OwnOccMedVal | -0.38 | -0.09 | 0.82 | 0.81 |
| ## OwnOccHiQuart | -0.38 | -0.09 | 0.81 | 0.82 |
| ## RentLowQ | -0.51 | -0.10 | 0.80 | 0.74 |
| ## RentMedian | -0.49 | -0.09 | 0.85 | 0.79 |
| ## RentHighQ | -0.47 | -0.09 | 0.85 | 0.79 |
| ## MedRent | -0.50 | -0.08 | 0.85 | 0.78 |
| ## MedRentPctHousInc | 0.37 | 0.05 | -0.14 | -0.14 |
| ## MedOwnCostPctInc | -0.08 | -0.17 | 0.34 | 0.29 |
| ## MedOwnCostPctIncNoMtg | 0.09 | 0.02 | -0.01 | -0.01 |
| ## NumInShelters | 0.26 | -0.08 | -0.13 | -0.06 |
| ## NumStreet | 0.20 | -0.07 | -0.09 | -0.02 |
| ## PctForeignBorn | 0.15 | -0.21 | 0.20 | 0.20 |
| ## PctBornSameState | 0.22 | 0.05 | -0.28 | -0.33 |
| ## PctSameHouse85 | -0.01 | 0.32 | 0.17 | 0.16 |
| ## PctSameCity85 | 0.26 | 0.16 | -0.10 | -0.09 |
| ## PctSameState85 | 0.24 | 0.09 | -0.12 | -0.16 |
| ## LandArea | 0.05 | -0.05 | -0.06 | -0.03 |
| ## PopDens | 0.24 | -0.14 | -0.04 | 0.01 |
| ## PctUsePubTrans | 0.07 | -0.06 | 0.23 | 0.27 |

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|------------------------|-------------|-------------|--------------|-------------|
| ## LemasPctOfficDrugUn | 0.24 | -0.06 | -0.14 | -0.08 |
| ## ViolentCrimesPerPop | 0.59 | -0.09 | -0.42 | -0.35 |
| ## | whitePerCap | blackPerCap | indianPerCap | AsianPerCap |
| ## population | 0.02 | -0.06 | -0.01 | -0.08 |
| ## householdsSize | -0.07 | 0.09 | 0.01 | -0.05 |
| ## racePctBlack | -0.10 | -0.24 | -0.05 | -0.13 |
| ## racePctWhite | 0.09 | 0.14 | 0.02 | 0.14 |
| ## racePctAsian | 0.36 | 0.32 | 0.13 | 0.10 |
| ## racePctHisp | -0.18 | -0.02 | 0.02 | -0.08 |
| ## agePct12t21 | -0.32 | -0.23 | -0.17 | -0.25 |
| ## agePct12t29 | -0.32 | -0.21 | -0.15 | -0.31 |
| ## agePct16t24 | -0.25 | -0.21 | -0.16 | -0.26 |
| ## agePct65up | -0.07 | -0.22 | -0.04 | 0.05 |
| ## numbUrban | 0.04 | -0.04 | 0.00 | -0.07 |
| ## pctUrban | 0.28 | 0.21 | 0.11 | 0.09 |
| ## medIncome | 0.84 | 0.69 | 0.29 | 0.45 |
| ## pctWWage | 0.36 | 0.42 | 0.15 | 0.12 |
| ## pctWFarmSelf | -0.03 | -0.07 | -0.09 | -0.01 |
| ## pctWInvInc | 0.73 | 0.49 | 0.19 | 0.39 |
| ## pctWSocSec | -0.24 | -0.33 | -0.10 | -0.02 |
| ## pctWPubAsst | -0.54 | -0.41 | -0.18 | -0.29 |
| ## pctWRetire | -0.06 | -0.09 | 0.05 | 0.04 |
| ## medFamInc | 0.89 | 0.68 | 0.28 | 0.47 |
| ## perCapInc | 0.97 | 0.65 | 0.29 | 0.52 |
| ## whitePerCap | 1.00 | 0.60 | 0.28 | 0.49 |
| ## blackPerCap | 0.60 | 1.00 | 0.24 | 0.35 |
| ## indianPerCap | 0.28 | 0.24 | 1.00 | 0.16 |
| ## AsianPerCap | 0.49 | 0.35 | 0.16 | 1.00 |
| ## OtherPerCap | 0.39 | 0.32 | 0.14 | 0.18 |
| ## HispPerCap | 0.64 | 0.51 | 0.20 | 0.43 |
| ## NumUnderPov | -0.09 | -0.15 | -0.05 | -0.13 |
| ## PctPopUnderPov | -0.58 | -0.52 | -0.23 | -0.33 |
| ## PctLess9thGrade | -0.54 | -0.40 | -0.17 | -0.25 |
| ## PctNotHSGrad | -0.64 | -0.46 | -0.18 | -0.28 |
| ## PctBSorMore | 0.82 | 0.50 | 0.17 | 0.35 |
| ## PctUnemployed | -0.58 | -0.40 | -0.20 | -0.29 |
| ## PctEmploy | 0.42 | 0.43 | 0.18 | 0.14 |
| ## PctEmplManu | -0.20 | -0.04 | -0.07 | -0.04 |
| ## PctEmplProfServ | 0.28 | 0.06 | 0.00 | 0.12 |
| ## PctOccupManu | -0.67 | -0.45 | -0.19 | -0.31 |
| ## PctOccupMgmtProf | 0.85 | 0.55 | 0.18 | 0.42 |
| ## MalePctDivorce | -0.35 | -0.35 | -0.08 | -0.23 |
| ## MalePctNevMarr | 0.00 | -0.07 | -0.06 | -0.12 |
| ## FemalePctDiv | -0.33 | -0.30 | -0.06 | -0.24 |
| ## TotalPctDiv | -0.35 | -0.33 | -0.07 | -0.24 |
| ## PersPerFam | -0.15 | 0.05 | 0.02 | -0.08 |
| ## PctFam2Par | 0.44 | 0.45 | 0.16 | 0.31 |
| ## PctKids2Par | 0.43 | 0.45 | 0.14 | 0.29 |
| ## PctYoungKids2Par | 0.47 | 0.47 | 0.17 | 0.30 |
| ## PctTeen2Par | 0.31 | 0.36 | 0.09 | 0.25 |
| ## PctWorkMomYoungKids | -0.10 | -0.13 | -0.09 | -0.12 |
| ## PctWorkMom | -0.04 | -0.06 | -0.05 | -0.09 |
| ## NumIlleg | -0.05 | -0.12 | -0.03 | -0.11 |
| ## PctIlleg | -0.25 | -0.31 | -0.11 | -0.23 |

| | | | | |
|--------------------------|-------------|------------|-------------|----------------|
| ## NumImmig | 0.06 | 0.01 | 0.01 | -0.04 |
| ## PctImmigRecent | 0.00 | -0.05 | -0.02 | -0.17 |
| ## PctImmigRec5 | -0.02 | -0.07 | -0.04 | -0.20 |
| ## PctImmigRec8 | 0.01 | -0.06 | -0.04 | -0.18 |
| ## PctImmigRec10 | -0.01 | -0.07 | -0.05 | -0.18 |
| ## PctRecentImmig | 0.19 | 0.18 | 0.09 | 0.03 |
| ## PctRecImmig5 | 0.18 | 0.17 | 0.09 | 0.02 |
| ## PctRecImmig8 | 0.20 | 0.18 | 0.09 | 0.04 |
| ## PctRecImmig10 | 0.18 | 0.18 | 0.09 | 0.03 |
| ## PctSpeakEnglOnly | -0.01 | -0.10 | -0.06 | 0.01 |
| ## PctNotSpeakEnglWell | -0.10 | 0.02 | 0.02 | -0.06 |
| ## PctLargHouseFam | -0.24 | -0.11 | -0.01 | -0.15 |
| ## PctLargHouseOccup | -0.22 | -0.07 | 0.00 | -0.12 |
| ## PersPerOccupHous | -0.03 | 0.17 | 0.07 | 0.01 |
| ## PersPerOwnOccHous | 0.03 | 0.23 | 0.07 | 0.04 |
| ## PersPerRentOccHous | -0.26 | -0.08 | -0.01 | -0.16 |
| ## PctPersOwnOccup | 0.37 | 0.35 | 0.15 | 0.31 |
| ## PctPersDenseHous | -0.25 | -0.13 | -0.02 | -0.17 |
| ## PctHousLess3BR | -0.35 | -0.34 | -0.14 | -0.21 |
| ## MedNumBR | 0.24 | 0.25 | 0.11 | 0.19 |
| ## HousVacant | 0.00 | -0.12 | -0.03 | -0.09 |
| ## PctHousOccup | 0.20 | 0.28 | 0.09 | 0.12 |
| ## PctHousOwnOcc | 0.33 | 0.32 | 0.15 | 0.29 |
| ## PctVacantBoarded | -0.26 | -0.27 | -0.11 | -0.15 |
| ## PctVacMore6Mos | -0.20 | -0.20 | -0.11 | -0.03 |
| ## MedYrHousBuilt | 0.02 | 0.09 | 0.04 | 0.00 |
| ## PctHousNoPhone | -0.57 | -0.50 | -0.23 | -0.28 |
| ## PctWOFullPlumb | -0.36 | -0.26 | -0.12 | -0.20 |
| ## OwnOccLowQuart | 0.78 | 0.62 | 0.28 | 0.38 |
| ## OwnOccMedVal | 0.80 | 0.61 | 0.28 | 0.39 |
| ## OwnOccHiQuart | 0.83 | 0.59 | 0.27 | 0.40 |
| ## RentLowQ | 0.71 | 0.63 | 0.27 | 0.34 |
| ## RentMedian | 0.77 | 0.65 | 0.28 | 0.38 |
| ## RentHighQ | 0.77 | 0.65 | 0.29 | 0.37 |
| ## MedRent | 0.76 | 0.65 | 0.28 | 0.38 |
| ## MedRentPctHousInc | -0.09 | -0.08 | 0.02 | -0.09 |
| ## MedOwnCostPctInc | 0.31 | 0.33 | 0.17 | 0.09 |
| ## MedOwnCostPctIncNoMtg | 0.01 | 0.01 | 0.02 | 0.00 |
| ## NumInShelters | 0.02 | -0.09 | -0.03 | -0.08 |
| ## NumStreet | 0.05 | -0.04 | 0.01 | -0.03 |
| ## PctForeignBorn | 0.25 | 0.25 | 0.13 | 0.10 |
| ## PctBornSameState | -0.35 | -0.21 | -0.16 | -0.10 |
| ## PctSameHouse85 | 0.14 | 0.15 | 0.06 | 0.21 |
| ## PctSameCity85 | -0.08 | -0.03 | -0.01 | 0.07 |
| ## PctSameState85 | -0.18 | -0.05 | -0.04 | 0.04 |
| ## LandArea | 0.02 | -0.03 | -0.01 | -0.05 |
| ## PopDens | 0.06 | 0.05 | 0.09 | -0.03 |
| ## PctUsePubTrans | 0.33 | 0.17 | 0.12 | 0.11 |
| ## LemasPctOfficDrugUn | -0.01 | -0.10 | -0.01 | -0.07 |
| ## ViolentCrimesPerPop | -0.22 | -0.26 | -0.10 | -0.17 |
| ## | OtherPerCap | HispPerCap | NumUnderPov | PctPopUnderPov |
| ## population | -0.03 | -0.10 | 0.94 | 0.21 |
| ## householdsize | 0.03 | -0.07 | -0.01 | 0.00 |
| ## racepctblack | -0.08 | -0.15 | 0.32 | 0.51 |

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|------------------------|-------|-------|-------|-------|
| ## racePctWhite | 0.06 | 0.20 | -0.40 | -0.53 |
| ## racePctAsian | 0.20 | 0.20 | 0.12 | -0.19 |
| ## racePctHisp | -0.08 | -0.23 | 0.29 | 0.33 |
| ## agePct12t21 | -0.15 | -0.28 | 0.07 | 0.42 |
| ## agePct12t29 | -0.14 | -0.30 | 0.16 | 0.38 |
| ## agePct16t24 | -0.15 | -0.26 | 0.11 | 0.40 |
| ## agePct65up | -0.12 | -0.03 | -0.06 | 0.15 |
| ## numbUrban | -0.02 | -0.08 | 0.94 | 0.18 |
| ## pctUrban | 0.15 | 0.21 | 0.18 | -0.23 |
| ## medIncome | 0.42 | 0.63 | -0.24 | -0.78 |
| ## pctWWage | 0.26 | 0.28 | -0.13 | -0.55 |
| ## pctWFarmSelf | -0.06 | -0.09 | -0.11 | 0.07 |
| ## pctWInvInc | 0.29 | 0.55 | -0.28 | -0.72 |
| ## pctWSocSec | -0.19 | -0.14 | -0.04 | 0.30 |
| ## pctWPubAsst | -0.29 | -0.45 | 0.38 | 0.80 |
| ## pctWRetire | -0.05 | 0.06 | -0.11 | -0.11 |
| ## medFamInc | 0.41 | 0.65 | -0.25 | -0.75 |
| ## perCapInc | 0.40 | 0.67 | -0.19 | -0.68 |
| ## whitePerCap | 0.39 | 0.64 | -0.09 | -0.58 |
| ## blackPerCap | 0.32 | 0.51 | -0.15 | -0.52 |
| ## indianPerCap | 0.14 | 0.20 | -0.05 | -0.23 |
| ## AsianPerCap | 0.18 | 0.43 | -0.13 | -0.33 |
| ## OtherPerCap | 1.00 | 0.48 | -0.09 | -0.33 |
| ## HispPerCap | 0.48 | 1.00 | -0.18 | -0.51 |
| ## NumUnderPov | -0.09 | -0.18 | 1.00 | 0.38 |
| ## PctPopUnderPov | -0.33 | -0.51 | 0.38 | 1.00 |
| ## PctLess9thGrade | -0.27 | -0.41 | 0.23 | 0.70 |
| ## PctNotHSGrad | -0.29 | -0.46 | 0.23 | 0.72 |
| ## PctBSorMore | 0.30 | 0.52 | -0.10 | -0.44 |
| ## PctUnemployed | -0.28 | -0.47 | 0.35 | 0.78 |
| ## PctEmploy | 0.27 | 0.34 | -0.18 | -0.69 |
| ## PctEmplManu | -0.07 | -0.09 | -0.09 | 0.00 |
| ## PctEmplProfServ | -0.02 | 0.11 | 0.04 | 0.09 |
| ## PctOccupManu | -0.29 | -0.46 | 0.08 | 0.49 |
| ## PctOccupMgmtProf | 0.31 | 0.58 | -0.12 | -0.50 |
| ## MalePctDivorce | -0.16 | -0.32 | 0.29 | 0.44 |
| ## MalePctNevMarr | -0.07 | -0.12 | 0.29 | 0.35 |
| ## FemalePctDiv | -0.15 | -0.33 | 0.32 | 0.46 |
| ## TotalPctDiv | -0.16 | -0.33 | 0.31 | 0.46 |
| ## PersPerFam | 0.01 | -0.11 | 0.16 | 0.10 |
| ## PctFam2Par | 0.26 | 0.42 | -0.40 | -0.75 |
| ## PctKids2Par | 0.25 | 0.42 | -0.41 | -0.77 |
| ## PctYoungKids2Par | 0.27 | 0.43 | -0.37 | -0.77 |
| ## PctTeen2Par | 0.22 | 0.34 | -0.37 | -0.66 |
| ## PctWorkMomYoungKids | -0.05 | -0.07 | -0.12 | -0.15 |
| ## PctWorkMom | -0.02 | 0.00 | -0.21 | -0.29 |
| ## NumIlleg | -0.07 | -0.14 | 0.93 | 0.34 |
| ## PctIlleg | -0.16 | -0.30 | 0.45 | 0.64 |
| ## NumImmig | -0.01 | -0.07 | 0.76 | 0.15 |
| ## PctImmigRecent | -0.02 | -0.11 | 0.14 | 0.25 |
| ## PctImmigRec5 | -0.03 | -0.17 | 0.15 | 0.27 |
| ## PctImmigRec8 | -0.02 | -0.17 | 0.18 | 0.27 |
| ## PctImmigRec10 | -0.05 | -0.20 | 0.21 | 0.30 |
| ## PctRecentImmig | 0.09 | 0.01 | 0.22 | 0.08 |

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|--------------------------|-----------------|--------------|-------------|-------|
| ## PctRecImmig5 | 0.08 | 0.00 | 0.23 | 0.09 |
| ## PctRecImmig8 | 0.09 | 0.01 | 0.23 | 0.07 |
| ## PctRecImmig10 | 0.08 | 0.00 | 0.24 | 0.08 |
| ## PctSpeakEnglOnly | -0.02 | 0.08 | -0.28 | -0.20 |
| ## PctNotSpeakEnglWell | -0.05 | -0.17 | 0.31 | 0.30 |
| ## PctLargHouseFam | -0.07 | -0.25 | 0.30 | 0.37 |
| ## PctLargHouseOccup | -0.05 | -0.21 | 0.23 | 0.29 |
| ## PersPerOccupHous | 0.09 | 0.01 | -0.01 | -0.11 |
| ## PersPerOwnOccHous | 0.12 | 0.06 | 0.02 | -0.20 |
| ## PersPerRentOccHous | -0.04 | -0.23 | 0.09 | 0.25 |
| ## PctPersOwnOccup | 0.22 | 0.41 | -0.34 | -0.61 |
| ## PctPersDenseHous | -0.10 | -0.29 | 0.33 | 0.45 |
| ## PctHousLess3BR | -0.16 | -0.33 | 0.30 | 0.51 |
| ## MedNumBR | 0.12 | 0.25 | -0.27 | -0.41 |
| ## HousVacant | -0.05 | -0.11 | 0.88 | 0.25 |
| ## PctHousOccup | 0.08 | 0.20 | -0.15 | -0.36 |
| ## PctHousOwnOcc | 0.20 | 0.37 | -0.34 | -0.55 |
| ## PctVacantBoarded | -0.17 | -0.24 | 0.43 | 0.51 |
| ## PctVacMore6Mos | -0.11 | -0.09 | -0.01 | 0.24 |
| ## MedYrHousBuilt | 0.09 | 0.05 | -0.11 | -0.21 |
| ## PctHousNoPhone | -0.29 | -0.48 | 0.23 | 0.83 |
| ## PctWOFullPlumb | -0.20 | -0.29 | 0.28 | 0.57 |
| ## OwnOccLowQuart | 0.37 | 0.52 | -0.12 | -0.55 |
| ## OwnOccMedVal | 0.36 | 0.52 | -0.10 | -0.53 |
| ## OwnOccHiQuart | 0.35 | 0.51 | -0.09 | -0.50 |
| ## RentLowQ | 0.41 | 0.53 | -0.14 | -0.66 |
| ## RentMedian | 0.41 | 0.55 | -0.14 | -0.65 |
| ## RentHighQ | 0.39 | 0.53 | -0.12 | -0.63 |
| ## MedRent | 0.42 | 0.55 | -0.16 | -0.66 |
| ## MedRentPctHousInc | -0.01 | -0.14 | 0.19 | 0.38 |
| ## MedOwnCostPctInc | 0.21 | 0.18 | 0.04 | -0.23 |
| ## MedOwnCostPctIncNoMtg | 0.01 | 0.01 | 0.00 | 0.06 |
| ## NumInShelters | -0.05 | -0.10 | 0.82 | 0.23 |
| ## NumStreet | -0.04 | -0.08 | 0.61 | 0.16 |
| ## PctForeignBorn | 0.13 | 0.09 | 0.21 | -0.01 |
| ## PctBornSameState | -0.18 | -0.17 | -0.04 | 0.18 |
| ## PctSameHouse85 | 0.05 | 0.22 | -0.09 | -0.18 |
| ## PctSameCity85 | -0.06 | 0.02 | 0.07 | 0.04 |
| ## PctSameState85 | -0.07 | -0.05 | 0.01 | 0.07 |
| ## LandArea | -0.01 | -0.06 | 0.73 | 0.10 |
| ## PopDens | 0.04 | -0.02 | 0.24 | 0.12 |
| ## PctUsePubTrans | 0.12 | 0.17 | 0.28 | -0.03 |
| ## LemasPctOfficDrugUn | 0.00 | -0.09 | 0.44 | 0.21 |
| ## ViolentCrimesPerPop | -0.11 | -0.26 | 0.45 | 0.54 |
| ## | PctLess9thGrade | PctNotHSGrad | PctBSorMore | |
| ## population | 0.09 | 0.09 | -0.01 | |
| ## householdsize | 0.08 | 0.02 | 0.02 | |
| ## racepctblack | 0.33 | 0.38 | -0.18 | |
| ## racePctWhite | -0.44 | -0.45 | 0.20 | |
| ## racePctAsian | -0.17 | -0.23 | 0.29 | |
| ## racePctHisp | 0.48 | 0.42 | -0.25 | |
| ## agePct12t21 | 0.15 | 0.10 | 0.04 | |
| ## agePct12t29 | 0.13 | 0.08 | 0.02 | |
| ## agePct16t24 | 0.11 | 0.05 | 0.12 | |

| | | | |
|------------------------|-------|-------|-------|
| ## agePct65up | 0.22 | 0.29 | -0.22 |
| ## numbUrban | 0.07 | 0.07 | 0.00 |
| ## pctUrban | -0.21 | -0.19 | 0.17 |
| ## medIncome | -0.62 | -0.71 | 0.71 |
| ## pctWWage | -0.48 | -0.56 | 0.43 |
| ## pctWFarmSelf | 0.04 | -0.07 | 0.12 |
| ## pctWInvInc | -0.70 | -0.79 | 0.77 |
| ## pctWSocSec | 0.37 | 0.45 | -0.36 |
| ## pctWPubAsst | 0.73 | 0.78 | -0.58 |
| ## pctWRetire | -0.12 | -0.01 | -0.16 |
| ## medFamInc | -0.64 | -0.74 | 0.79 |
| ## perCapInc | -0.61 | -0.70 | 0.82 |
| ## whitePerCap | -0.54 | -0.64 | 0.82 |
| ## blackPerCap | -0.40 | -0.46 | 0.50 |
| ## indianPerCap | -0.17 | -0.18 | 0.17 |
| ## AsianPerCap | -0.25 | -0.28 | 0.35 |
| ## OtherPerCap | -0.27 | -0.29 | 0.30 |
| ## HispPerCap | -0.41 | -0.46 | 0.52 |
| ## NumUnderPov | 0.23 | 0.23 | -0.10 |
| ## PctPopUnderPov | 0.70 | 0.72 | -0.44 |
| ## PctLess9thGrade | 1.00 | 0.95 | -0.61 |
| ## PctNotHSGrad | 0.95 | 1.00 | -0.76 |
| ## PctBSorMore | -0.61 | -0.76 | 1.00 |
| ## PctUnemployed | 0.67 | 0.74 | -0.59 |
| ## PctEmploy | -0.54 | -0.61 | 0.40 |
| ## PctEmplManu | 0.34 | 0.36 | -0.34 |
| ## PctEmplProfServ | -0.25 | -0.34 | 0.59 |
| ## PctOccupManu | 0.73 | 0.81 | -0.78 |
| ## PctOccupMgmtProf | -0.63 | -0.77 | 0.96 |
| ## MalePctDivorce | 0.30 | 0.42 | -0.50 |
| ## MalePctNevMarr | 0.13 | 0.08 | 0.21 |
| ## FemalePctDiv | 0.31 | 0.40 | -0.44 |
| ## TotalPctDiv | 0.32 | 0.42 | -0.48 |
| ## PersPerFam | 0.25 | 0.22 | -0.19 |
| ## PctFam2Par | -0.56 | -0.65 | 0.47 |
| ## PctKids2Par | -0.61 | -0.70 | 0.50 |
| ## PctYoungKids2Par | -0.59 | -0.67 | 0.52 |
| ## PctTeen2Par | -0.46 | -0.52 | 0.32 |
| ## PctWorkMomYoungKids | -0.09 | -0.09 | -0.05 |
| ## PctWorkMom | -0.22 | -0.22 | 0.04 |
| ## NumIlleg | 0.22 | 0.25 | -0.10 |
| ## PctIlleg | 0.53 | 0.58 | -0.32 |
| ## NumImmig | 0.19 | 0.14 | -0.01 |
| ## PctImmigRecent | 0.05 | 0.00 | 0.19 |
| ## PctImmigRec5 | 0.09 | 0.04 | 0.16 |
| ## PctImmigRec8 | 0.10 | 0.04 | 0.17 |
| ## PctImmigRec10 | 0.16 | 0.10 | 0.11 |
| ## PctRecentImmig | 0.19 | 0.10 | 0.16 |
| ## PctRecImmig5 | 0.21 | 0.12 | 0.13 |
| ## PctRecImmig8 | 0.20 | 0.11 | 0.13 |
| ## PctRecImmig10 | 0.22 | 0.14 | 0.10 |
| ## PctSpeakEnglOnly | -0.44 | -0.34 | 0.10 |
| ## PctNotSpeakEnglWell | 0.52 | 0.44 | -0.19 |
| ## PctLargHouseFam | 0.44 | 0.43 | -0.30 |

| | | | | |
|--------------------------|---------------|-----------|-------------|-----------------|
| ## PctLargHouseOccup | 0.40 | 0.38 | -0.28 | |
| ## PersPerOccupHous | 0.08 | 0.05 | -0.09 | |
| ## PersPerOwnOccHous | 0.00 | -0.05 | 0.02 | |
| ## PersPerRentOccHous | 0.34 | 0.34 | -0.33 | |
| ## PctPersOwnOccup | -0.47 | -0.46 | 0.27 | |
| ## PctPersDenseHous | 0.53 | 0.49 | -0.32 | |
| ## PctHousLess3BR | 0.46 | 0.49 | -0.34 | |
| ## MedNumBR | -0.35 | -0.35 | 0.21 | |
| ## HousVacant | 0.08 | 0.11 | -0.05 | |
| ## PctHousOccup | -0.17 | -0.24 | 0.22 | |
| ## PctHousOwnOcc | -0.41 | -0.40 | 0.22 | |
| ## PctVacantBoarded | 0.39 | 0.45 | -0.31 | |
| ## PctVacMore6Mos | 0.24 | 0.28 | -0.22 | |
| ## MedYrHousBuilt | -0.25 | -0.29 | 0.10 | |
| ## PctHousNoPhone | 0.73 | 0.77 | -0.56 | |
| ## PctWOFullPlumb | 0.58 | 0.59 | -0.37 | |
| ## OwnOccLowQuart | -0.40 | -0.50 | 0.62 | |
| ## OwnOccMedVal | -0.39 | -0.49 | 0.64 | |
| ## OwnOccHiQuart | -0.39 | -0.50 | 0.67 | |
| ## RentLowQ | -0.52 | -0.59 | 0.57 | |
| ## RentMedian | -0.50 | -0.57 | 0.61 | |
| ## RentHighQ | -0.49 | -0.57 | 0.63 | |
| ## MedRent | -0.51 | -0.57 | 0.60 | |
| ## MedRentPctHousInc | 0.18 | 0.20 | -0.07 | |
| ## MedOwnCostPctInc | -0.10 | -0.15 | 0.18 | |
| ## MedOwnCostPctIncNoMtg | 0.18 | 0.21 | -0.08 | |
| ## NumInShelters | 0.11 | 0.12 | 0.00 | |
| ## NumStreet | 0.09 | 0.08 | -0.01 | |
| ## PctForeignBorn | 0.20 | 0.11 | 0.11 | |
| ## PctBornSameState | 0.29 | 0.32 | -0.33 | |
| ## PctSameHouse85 | 0.12 | 0.16 | -0.10 | |
| ## PctSameCity85 | 0.33 | 0.38 | -0.35 | |
| ## PctSameState85 | 0.30 | 0.35 | -0.36 | |
| ## LandArea | -0.01 | -0.01 | 0.02 | |
| ## PopDens | 0.20 | 0.19 | -0.03 | |
| ## PctUsePubTrans | -0.01 | -0.03 | 0.25 | |
| ## LemasPctOfficDrugUn | 0.15 | 0.16 | -0.06 | |
| ## ViolentCrimesPerPop | 0.46 | 0.52 | -0.33 | |
| ## | PctUnemployed | PctEmploy | PctEmplManu | PctEmplProfServ |
| ## population | 0.20 | -0.04 | -0.10 | 0.01 |
| ## householdsize | 0.08 | 0.16 | 0.03 | -0.03 |
| ## racepctblack | 0.42 | -0.27 | -0.01 | 0.09 |
| ## racePctWhite | -0.50 | 0.23 | 0.02 | 0.02 |
| ## racePctAsian | -0.15 | 0.22 | -0.09 | 0.02 |
| ## racePctHisp | 0.41 | -0.10 | 0.00 | -0.23 |
| ## agePct12t21 | 0.22 | -0.14 | -0.08 | 0.33 |
| ## agePct12t29 | 0.18 | 0.08 | -0.09 | 0.22 |
| ## agePct16t24 | 0.16 | -0.10 | -0.14 | 0.39 |
| ## agePct65up | 0.16 | -0.66 | 0.02 | 0.08 |
| ## numbUrban | 0.18 | -0.02 | -0.10 | 0.01 |
| ## pctUrban | -0.12 | 0.22 | -0.14 | -0.01 |
| ## medIncome | -0.66 | 0.62 | -0.09 | 0.09 |
| ## pctWWage | -0.53 | 0.88 | -0.03 | -0.08 |
| ## pctWFarmSelf | -0.13 | 0.05 | -0.12 | 0.14 |

| | | | | |
|------------------------|-------|-------|-------|-------|
| ## pctWInvInc | -0.72 | 0.39 | -0.19 | 0.37 |
| ## pctWSocSec | 0.33 | -0.77 | 0.09 | 0.06 |
| ## pctWPubAsst | 0.85 | -0.63 | 0.16 | -0.09 |
| ## pctWRetire | 0.07 | -0.44 | -0.08 | 0.06 |
| ## medFamInc | -0.68 | 0.57 | -0.12 | 0.19 |
| ## perCapInc | -0.65 | 0.46 | -0.18 | 0.25 |
| ## whitePerCap | -0.58 | 0.42 | -0.20 | 0.28 |
| ## blackPerCap | -0.40 | 0.43 | -0.04 | 0.06 |
| ## indianPerCap | -0.20 | 0.18 | -0.07 | 0.00 |
| ## AsianPerCap | -0.29 | 0.14 | -0.04 | 0.12 |
| ## OtherPerCap | -0.28 | 0.27 | -0.07 | -0.02 |
| ## HispPerCap | -0.47 | 0.34 | -0.09 | 0.11 |
| ## NumUnderPov | 0.35 | -0.18 | -0.09 | 0.04 |
| ## PctPopUnderPov | 0.78 | -0.69 | 0.00 | 0.09 |
| ## PctLess9thGrade | 0.67 | -0.54 | 0.34 | -0.25 |
| ## PctNotHSGrad | 0.74 | -0.61 | 0.36 | -0.34 |
| ## PctBSorMore | -0.59 | 0.40 | -0.34 | 0.59 |
| ## PctUnemployed | 1.00 | -0.68 | 0.12 | -0.10 |
| ## PctEmploy | -0.68 | 1.00 | 0.01 | -0.16 |
| ## PctEmplManu | 0.12 | 0.01 | 1.00 | -0.46 |
| ## PctEmplProfServ | -0.10 | -0.16 | -0.46 | 1.00 |
| ## PctOccupManu | 0.57 | -0.39 | 0.68 | -0.49 |
| ## PctOccupMgmtProf | -0.61 | 0.39 | -0.35 | 0.57 |
| ## MalePctDivorce | 0.40 | -0.23 | 0.08 | -0.31 |
| ## MalePctNevMarr | 0.22 | -0.07 | -0.15 | 0.40 |
| ## FemalePctDiv | 0.42 | -0.18 | 0.03 | -0.27 |
| ## TotalPctDiv | 0.42 | -0.21 | 0.06 | -0.29 |
| ## PersPerFam | 0.27 | 0.18 | 0.13 | -0.23 |
| ## PctFam2Par | -0.68 | 0.53 | -0.05 | 0.02 |
| ## PctKids2Par | -0.70 | 0.55 | -0.07 | 0.06 |
| ## PctYoungKids2Par | -0.70 | 0.56 | -0.13 | 0.07 |
| ## PctTeen2Par | -0.56 | 0.43 | 0.01 | -0.04 |
| ## PctWorkMomYoungKids | -0.26 | 0.30 | 0.08 | -0.03 |
| ## PctWorkMom | -0.39 | 0.40 | 0.05 | 0.00 |
| ## NumIlleg | 0.35 | -0.16 | -0.05 | 0.02 |
| ## PctIlleg | 0.61 | -0.34 | 0.08 | -0.02 |
| ## NumImmig | 0.17 | -0.01 | -0.03 | -0.06 |
| ## PctImmigRecent | 0.06 | -0.02 | -0.10 | 0.20 |
| ## PctImmigRec5 | 0.07 | 0.00 | -0.07 | 0.17 |
| ## PctImmigRec8 | 0.06 | 0.03 | -0.08 | 0.14 |
| ## PctImmigRec10 | 0.10 | 0.04 | -0.07 | 0.07 |
| ## PctRecentImmig | 0.13 | 0.06 | -0.07 | -0.01 |
| ## PctRecImmig5 | 0.14 | 0.06 | -0.06 | -0.05 |
| ## PctRecImmig8 | 0.14 | 0.07 | -0.06 | -0.06 |
| ## PctRecImmig10 | 0.15 | 0.07 | -0.05 | -0.08 |
| ## PctSpeakEnglOnly | -0.34 | 0.07 | 0.02 | 0.14 |
| ## PctNotSpeakEnglWell | 0.41 | -0.10 | 0.04 | -0.21 |
| ## PctLargHouseFam | 0.47 | -0.12 | 0.06 | -0.20 |
| ## PctLargHouseOccup | 0.41 | -0.07 | 0.09 | -0.22 |
| ## PersPerOccupHous | 0.07 | 0.27 | 0.12 | -0.28 |
| ## PersPerOwnOccHous | 0.00 | 0.38 | 0.12 | -0.18 |
| ## PersPerRentOccHous | 0.34 | -0.02 | 0.09 | -0.36 |
| ## PctPersOwnOccup | -0.49 | 0.24 | 0.01 | 0.01 |
| ## PctPersDenseHous | 0.49 | -0.15 | 0.02 | -0.26 |

| | | | | |
|--------------------------|--------------|------------------|----------------|-------|
| ## PctHousLess3BR | 0.44 | -0.36 | -0.04 | -0.07 |
| ## MedNumBR | -0.34 | 0.27 | 0.08 | 0.00 |
| ## HousVacant | 0.24 | -0.13 | -0.17 | 0.02 |
| ## PctHousOccup | -0.32 | 0.38 | 0.30 | 0.04 |
| ## PctHousOwnOcc | -0.43 | 0.19 | 0.01 | -0.04 |
| ## PctVacantBoarded | 0.56 | -0.34 | 0.00 | 0.02 |
| ## PctVacMore6Mos | 0.30 | -0.36 | 0.05 | 0.09 |
| ## MedYrHousBuilt | -0.32 | 0.35 | -0.19 | -0.22 |
| ## PctHousNoPhone | 0.67 | -0.56 | 0.17 | -0.14 |
| ## PctWOFullPlumb | 0.56 | -0.38 | 0.09 | -0.08 |
| ## OwnOccLowQuart | -0.43 | 0.43 | -0.11 | 0.10 |
| ## OwnOccMedVal | -0.43 | 0.40 | -0.12 | 0.13 |
| ## OwnOccHiQuart | -0.43 | 0.37 | -0.15 | 0.17 |
| ## RentLowQ | -0.53 | 0.57 | -0.17 | -0.01 |
| ## RentMedian | -0.50 | 0.53 | -0.16 | 0.04 |
| ## RentHighQ | -0.48 | 0.51 | -0.17 | 0.07 |
| ## MedRent | -0.50 | 0.53 | -0.15 | 0.02 |
| ## MedRentPctHousInc | 0.38 | -0.36 | -0.26 | 0.10 |
| ## MedOwnCostPctInc | -0.08 | 0.27 | -0.20 | -0.12 |
| ## MedOwnCostPctIncNoMtg | 0.19 | -0.11 | 0.01 | 0.08 |
| ## NumInShelters | 0.21 | -0.08 | -0.10 | 0.07 |
| ## NumStreet | 0.16 | -0.06 | -0.10 | -0.01 |
| ## PctForeignBorn | 0.12 | 0.07 | -0.06 | -0.09 |
| ## PctBornSameState | 0.18 | -0.19 | 0.36 | -0.01 |
| ## PctSameHouse85 | 0.04 | -0.14 | 0.28 | -0.04 |
| ## PctSameCity85 | 0.24 | -0.21 | 0.40 | -0.20 |
| ## PctSameState85 | 0.20 | -0.19 | 0.35 | -0.16 |
| ## LandArea | 0.08 | 0.01 | -0.09 | 0.00 |
| ## PopDens | 0.22 | -0.02 | -0.01 | -0.03 |
| ## PctUsePubTrans | 0.06 | 0.04 | -0.18 | 0.21 |
| ## LemasPctOfficDrugUn | 0.24 | -0.10 | -0.05 | 0.00 |
| ## ViolentCrimesPerPop | 0.54 | -0.33 | 0.02 | -0.10 |
| ## | PctOccupManu | PctOccupMgmtProf | MalePctDivorce | |
| ## population | -0.02 | -0.03 | 0.24 | |
| ## householdsize | 0.01 | -0.01 | -0.47 | |
| ## racepctblack | 0.24 | -0.19 | 0.38 | |
| ## racePctWhite | -0.25 | 0.23 | -0.34 | |
| ## racePctAsian | -0.27 | 0.28 | -0.10 | |
| ## racePctHisp | 0.21 | -0.28 | 0.11 | |
| ## agePct12t21 | 0.09 | -0.08 | -0.22 | |
| ## agePct12t29 | 0.06 | -0.12 | 0.01 | |
| ## agePct16t24 | 0.00 | -0.02 | -0.10 | |
| ## agePct65up | 0.17 | -0.15 | 0.18 | |
| ## numbUrban | -0.04 | -0.02 | 0.23 | |
| ## pctUrban | -0.27 | 0.19 | 0.00 | |
| ## medIncome | -0.63 | 0.75 | -0.58 | |
| ## pctWWage | -0.39 | 0.39 | -0.36 | |
| ## pctWFarmSelf | -0.09 | 0.10 | -0.19 | |
| ## pctWInvInc | -0.69 | 0.79 | -0.60 | |
| ## pctWSocSec | 0.33 | -0.31 | 0.17 | |
| ## pctWPubAsst | 0.60 | -0.59 | 0.47 | |
| ## pctWRetire | -0.02 | -0.07 | 0.00 | |
| ## medFamInc | -0.68 | 0.82 | -0.57 | |
| ## perCapInc | -0.69 | 0.86 | -0.43 | |

| | | | |
|------------------------|-------|-------|-------|
| ## whitePerCap | -0.67 | 0.85 | -0.35 |
| ## blackPerCap | -0.45 | 0.55 | -0.35 |
| ## indianPerCap | -0.19 | 0.18 | -0.08 |
| ## AsianPerCap | -0.31 | 0.42 | -0.23 |
| ## OtherPerCap | -0.29 | 0.31 | -0.16 |
| ## HispPerCap | -0.46 | 0.58 | -0.32 |
| ## NumUnderPov | 0.08 | -0.12 | 0.29 |
| ## PctPopUnderPov | 0.49 | -0.50 | 0.44 |
| ## PctLess9thGrade | 0.73 | -0.63 | 0.30 |
| ## PctNotHSGrad | 0.81 | -0.77 | 0.42 |
| ## PctBSorMore | -0.78 | 0.96 | -0.50 |
| ## PctUnemployed | 0.57 | -0.61 | 0.40 |
| ## PctEmploy | -0.39 | 0.39 | -0.23 |
| ## PctEmplManu | 0.68 | -0.35 | 0.08 |
| ## PctEmplProfServ | -0.49 | 0.57 | -0.31 |
| ## PctOccupManu | 1.00 | -0.82 | 0.40 |
| ## PctOccupMgmtProf | -0.82 | 1.00 | -0.50 |
| ## MalePctDivorce | 0.40 | -0.50 | 1.00 |
| ## MalePctNevMarr | -0.07 | 0.09 | 0.05 |
| ## FemalePctDiv | 0.36 | -0.45 | 0.92 |
| ## TotalPctDiv | 0.39 | -0.48 | 0.98 |
| ## PersPerFam | 0.19 | -0.20 | -0.22 |
| ## PctFam2Par | -0.49 | 0.51 | -0.73 |
| ## PctKids2Par | -0.51 | 0.53 | -0.71 |
| ## PctYoungKids2Par | -0.55 | 0.55 | -0.67 |
| ## PctTeen2Par | -0.36 | 0.39 | -0.63 |
| ## PctWorkMomYoungKids | 0.06 | -0.08 | 0.16 |
| ## PctWorkMom | -0.04 | 0.01 | 0.07 |
| ## NumIlleg | 0.10 | -0.12 | 0.29 |
| ## PctIlleg | 0.41 | -0.37 | 0.48 |
| ## NumImmig | 0.02 | -0.03 | 0.13 |
| ## PctImmigRecent | -0.04 | 0.09 | 0.08 |
| ## PctImmigRec5 | 0.00 | 0.05 | 0.13 |
| ## PctImmigRec8 | -0.01 | 0.06 | 0.16 |
| ## PctImmigRec10 | 0.02 | 0.01 | 0.21 |
| ## PctRecentImmig | -0.07 | 0.09 | -0.02 |
| ## PctRecImmig5 | -0.05 | 0.06 | -0.01 |
| ## PctRecImmig8 | -0.05 | 0.07 | -0.01 |
| ## PctRecImmig10 | -0.04 | 0.04 | 0.01 |
| ## PctSpeakEnglOnly | -0.10 | 0.13 | 0.02 |
| ## PctNotSpeakEnglWell | 0.21 | -0.23 | 0.07 |
| ## PctLargHouseFam | 0.29 | -0.33 | 0.06 |
| ## PctLargHouseOccup | 0.27 | -0.30 | -0.04 |
| ## PersPerOccupHous | 0.07 | -0.08 | -0.39 |
| ## PersPerOwnOccHous | 0.00 | 0.01 | -0.45 |
| ## PersPerRentOccHous | 0.27 | -0.34 | -0.03 |
| ## PctPersOwnOccup | -0.33 | 0.37 | -0.57 |
| ## PctPersDenseHous | 0.29 | -0.37 | 0.22 |
| ## PctHousLess3BR | 0.31 | -0.40 | 0.60 |
| ## MedNumBR | -0.19 | 0.26 | -0.46 |
| ## HousVacant | -0.03 | -0.06 | 0.32 |
| ## PctHousOccup | -0.03 | 0.22 | -0.34 |
| ## PctHousOwnOcc | -0.28 | 0.31 | -0.53 |
| ## PctVacantBoarded | 0.30 | -0.32 | 0.36 |

| | | | | |
|--------------------------|----------------|--------------|-------------|------------|
| ## PctVacMore6Mos | 0.24 | -0.18 | -0.04 | |
| ## MedYrHousBuilt | -0.26 | 0.09 | -0.10 | |
| ## PctHousNoPhone | 0.62 | -0.59 | 0.52 | |
| ## PctWOFullPlumb | 0.42 | -0.39 | 0.28 | |
| ## OwnOccLowQuart | -0.54 | 0.64 | -0.40 | |
| ## OwnOccMedVal | -0.54 | 0.66 | -0.39 | |
| ## OwnOccHiQuart | -0.55 | 0.68 | -0.38 | |
| ## RentLowQ | -0.59 | 0.58 | -0.36 | |
| ## RentMedian | -0.60 | 0.62 | -0.41 | |
| ## RentHighQ | -0.60 | 0.64 | -0.43 | |
| ## MedRent | -0.59 | 0.61 | -0.43 | |
| ## MedRentPctHousInc | -0.01 | -0.12 | 0.09 | |
| ## MedOwnCostPctInc | -0.27 | 0.17 | -0.16 | |
| ## MedOwnCostPctIncNoMtg | 0.10 | -0.08 | -0.08 | |
| ## NumInShelters | 0.01 | -0.03 | 0.25 | |
| ## NumStreet | 0.00 | -0.03 | 0.24 | |
| ## PctForeignBorn | -0.08 | 0.09 | -0.08 | |
| ## PctBornSameState | 0.41 | -0.30 | -0.04 | |
| ## PctSameHouse85 | 0.15 | 0.00 | -0.26 | |
| ## PctSameCity85 | 0.39 | -0.26 | 0.07 | |
| ## PctSameState85 | 0.38 | -0.29 | 0.00 | |
| ## LandArea | -0.06 | 0.02 | 0.14 | |
| ## PopDens | 0.06 | -0.07 | 0.15 | |
| ## PctUsePubTrans | -0.16 | 0.23 | -0.06 | |
| ## LemasPctOfficDrugUn | 0.05 | -0.08 | 0.24 | |
| ## ViolentCrimesPerPop | 0.33 | -0.36 | 0.54 | |
| ## | MalePctNevMarr | FemalePctDiv | TotalPctDiv | PersPerFam |
| ## population | 0.26 | 0.28 | 0.26 | 0.12 |
| ## householdsize | 0.12 | -0.36 | -0.43 | 0.82 |
| ## racepctblack | 0.28 | 0.42 | 0.42 | 0.08 |
| ## racePctWhite | -0.37 | -0.45 | -0.41 | -0.40 |
| ## racePctAsian | 0.20 | 0.01 | -0.04 | 0.24 |
| ## racePctHisp | 0.21 | 0.24 | 0.18 | 0.60 |
| ## agePct12t21 | 0.51 | -0.14 | -0.18 | 0.28 |
| ## agePct12t29 | 0.74 | 0.10 | 0.05 | 0.18 |
| ## agePct16t24 | 0.75 | -0.03 | -0.07 | 0.02 |
| ## agePct65up | -0.20 | 0.05 | 0.12 | -0.59 |
| ## numbUrban | 0.27 | 0.28 | 0.26 | 0.13 |
| ## pctUrban | 0.17 | 0.07 | 0.03 | 0.09 |
| ## medIncome | -0.14 | -0.55 | -0.58 | 0.13 |
| ## pctWWage | 0.05 | -0.27 | -0.33 | 0.38 |
| ## pctWFarmSelf | -0.13 | -0.19 | -0.19 | 0.05 |
| ## pctWInvInc | -0.10 | -0.64 | -0.64 | -0.32 |
| ## pctWSocSec | -0.17 | 0.04 | 0.11 | -0.43 |
| ## pctWPubAsst | 0.23 | 0.51 | 0.51 | 0.28 |
| ## pctWRetire | -0.25 | -0.09 | -0.05 | -0.39 |
| ## medFamInc | -0.06 | -0.55 | -0.58 | 0.01 |
| ## perCapInc | -0.07 | -0.41 | -0.43 | -0.18 |
| ## whitePerCap | 0.00 | -0.33 | -0.35 | -0.15 |
| ## blackPerCap | -0.07 | -0.30 | -0.33 | 0.05 |
| ## indianPerCap | -0.06 | -0.06 | -0.07 | 0.02 |
| ## AsianPerCap | -0.12 | -0.24 | -0.24 | -0.08 |
| ## OtherPerCap | -0.07 | -0.15 | -0.16 | 0.01 |
| ## HispPerCap | -0.12 | -0.33 | -0.33 | -0.11 |

| | | | | |
|------------------------|-------|-------|-------|-------|
| ## NumUnderPov | 0.29 | 0.32 | 0.31 | 0.16 |
| ## PctPopUnderPov | 0.35 | 0.46 | 0.46 | 0.10 |
| ## PctLess9thGrade | 0.13 | 0.31 | 0.32 | 0.25 |
| ## PctNotHSGrad | 0.08 | 0.40 | 0.42 | 0.22 |
| ## PctBSorMore | 0.21 | -0.44 | -0.48 | -0.19 |
| ## PctUnemployed | 0.22 | 0.42 | 0.42 | 0.27 |
| ## PctEmploy | -0.07 | -0.18 | -0.21 | 0.18 |
| ## PctEmplManu | -0.15 | 0.03 | 0.06 | 0.13 |
| ## PctEmplProfServ | 0.40 | -0.27 | -0.29 | -0.23 |
| ## PctOccupManu | -0.07 | 0.36 | 0.39 | 0.19 |
| ## PctOccupMgmtProf | 0.09 | -0.45 | -0.48 | -0.20 |
| ## MalePctDivorce | 0.05 | 0.92 | 0.98 | -0.22 |
| ## MalePctNevMarr | 1.00 | 0.10 | 0.08 | 0.03 |
| ## FemalePctDiv | 0.10 | 1.00 | 0.98 | -0.11 |
| ## TotalPctDiv | 0.08 | 0.98 | 1.00 | -0.16 |
| ## PersPerFam | 0.03 | -0.11 | -0.16 | 1.00 |
| ## PctFam2Par | -0.42 | -0.74 | -0.75 | 0.11 |
| ## PctKids2Par | -0.39 | -0.72 | -0.74 | 0.04 |
| ## PctYoungKids2Par | -0.29 | -0.65 | -0.68 | 0.04 |
| ## PctTeen2Par | -0.44 | -0.66 | -0.66 | 0.12 |
| ## PctWorkMomYoungKids | 0.00 | 0.12 | 0.14 | -0.26 |
| ## PctWorkMom | -0.02 | 0.02 | 0.05 | -0.34 |
| ## NumIlleg | 0.32 | 0.31 | 0.30 | 0.16 |
| ## PctIlleg | 0.48 | 0.51 | 0.51 | 0.19 |
| ## NumImmig | 0.26 | 0.19 | 0.16 | 0.23 |
| ## PctImmigRecent | 0.41 | 0.16 | 0.13 | -0.02 |
| ## PctImmigRec5 | 0.43 | 0.22 | 0.18 | 0.00 |
| ## PctImmigRec8 | 0.43 | 0.26 | 0.21 | 0.04 |
| ## PctImmigRec10 | 0.41 | 0.32 | 0.27 | 0.10 |
| ## PctRecentImmig | 0.43 | 0.11 | 0.05 | 0.34 |
| ## PctRecImmig5 | 0.42 | 0.13 | 0.06 | 0.36 |
| ## PctRecImmig8 | 0.40 | 0.13 | 0.06 | 0.37 |
| ## PctRecImmig10 | 0.38 | 0.15 | 0.08 | 0.39 |
| ## PctSpeakEnglOnly | -0.30 | -0.10 | -0.04 | -0.53 |
| ## PctNotSpeakEnglWell | 0.30 | 0.19 | 0.13 | 0.55 |
| ## PctLargHouseFam | 0.23 | 0.17 | 0.12 | 0.84 |
| ## PctLargHouseOccup | 0.14 | 0.07 | 0.02 | 0.89 |
| ## PersPerOccupHous | -0.17 | -0.28 | -0.34 | 0.92 |
| ## PersPerOwnOccHous | -0.05 | -0.34 | -0.40 | 0.89 |
| ## PersPerRentOccHous | -0.09 | 0.08 | 0.03 | 0.76 |
| ## PctPersOwnOccup | -0.59 | -0.63 | -0.61 | 0.05 |
| ## PctPersDenseHous | 0.27 | 0.36 | 0.30 | 0.64 |
| ## PctHousLess3BR | 0.44 | 0.59 | 0.60 | -0.22 |
| ## MedNumBR | -0.39 | -0.46 | -0.46 | 0.17 |
| ## HousVacant | 0.22 | 0.32 | 0.32 | -0.01 |
| ## PctHousOccup | 0.04 | -0.28 | -0.31 | 0.22 |
| ## PctHousOwnOcc | -0.62 | -0.59 | -0.57 | 0.09 |
| ## PctVacantBoarded | 0.22 | 0.33 | 0.35 | 0.26 |
| ## PctVacMore6Mos | -0.13 | -0.16 | -0.10 | 0.02 |
| ## MedYrHousBuilt | -0.33 | -0.04 | -0.08 | 0.11 |
| ## PctHousNoPhone | 0.07 | 0.50 | 0.53 | 0.08 |
| ## PctWOFullPlumb | 0.18 | 0.28 | 0.29 | 0.24 |
| ## OwnOccLowQuart | 0.16 | -0.33 | -0.37 | 0.09 |
| ## OwnOccMedVal | 0.17 | -0.32 | -0.37 | 0.08 |

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|--------------------------|------------|-------------|------------------|-------------|
| ## OwnOccHiQuart | 0.17 | -0.31 | -0.36 | 0.05 |
| ## RentLowQ | 0.08 | -0.30 | -0.34 | 0.11 |
| ## RentMedian | 0.10 | -0.35 | -0.39 | 0.12 |
| ## RentHighQ | 0.11 | -0.37 | -0.41 | 0.13 |
| ## MedRent | 0.05 | -0.38 | -0.42 | 0.13 |
| ## MedRentPctHousInc | 0.34 | 0.15 | 0.12 | 0.12 |
| ## MedOwnCostPctInc | 0.17 | -0.07 | -0.12 | 0.27 |
| ## MedOwnCostPctIncNoMtg | 0.12 | -0.14 | -0.11 | 0.04 |
| ## NumInShelters | 0.30 | 0.26 | 0.26 | 0.06 |
| ## NumStreet | 0.22 | 0.26 | 0.25 | 0.05 |
| ## PctForeignBorn | 0.32 | 0.05 | -0.02 | 0.40 |
| ## PctBornSameState | -0.10 | -0.11 | -0.07 | 0.05 |
| ## PctSameHouse85 | -0.27 | -0.35 | -0.30 | 0.10 |
| ## PctSameCity85 | -0.23 | 0.02 | 0.05 | 0.20 |
| ## PctSameState85 | -0.18 | -0.05 | -0.01 | 0.19 |
| ## LandArea | 0.05 | 0.14 | 0.14 | 0.06 |
| ## PopDens | 0.48 | 0.23 | 0.20 | 0.17 |
| ## PctUsePubTrans | 0.42 | -0.03 | -0.04 | 0.11 |
| ## LemasPctOfficDrugUn | 0.27 | 0.26 | 0.26 | 0.04 |
| ## ViolentCrimesPerPop | 0.31 | 0.56 | 0.57 | 0.17 |
| ## | PctFam2Par | PctKids2Par | PctYoungKids2Par | PctTeen2Par |
| ## population | -0.27 | -0.29 | -0.24 | -0.26 |
| ## householdsize | 0.31 | 0.24 | 0.23 | 0.27 |
| ## racepctblack | -0.69 | -0.73 | -0.65 | -0.68 |
| ## racePctWhite | 0.63 | 0.70 | 0.58 | 0.61 |
| ## racePctAsian | 0.12 | 0.10 | 0.17 | 0.09 |
| ## racePctHisp | -0.19 | -0.26 | -0.18 | -0.17 |
| ## agePct12t21 | -0.11 | -0.12 | -0.12 | -0.11 |
| ## agePct12t29 | -0.25 | -0.23 | -0.18 | -0.26 |
| ## agePct16t24 | -0.23 | -0.21 | -0.17 | -0.24 |
| ## agePct65up | -0.27 | -0.25 | -0.25 | -0.20 |
| ## numbUrban | -0.27 | -0.28 | -0.22 | -0.26 |
| ## pctUrban | 0.00 | -0.01 | 0.07 | -0.07 |
| ## medIncome | 0.73 | 0.71 | 0.71 | 0.60 |
| ## pctWWage | 0.55 | 0.54 | 0.56 | 0.45 |
| ## pctWFarmSelf | 0.24 | 0.23 | 0.20 | 0.22 |
| ## pctWInvInc | 0.70 | 0.74 | 0.70 | 0.59 |
| ## pctWSocSec | -0.34 | -0.33 | -0.35 | -0.25 |
| ## pctWPubAsst | -0.74 | -0.76 | -0.78 | -0.62 |
| ## pctWRetire | -0.01 | 0.00 | -0.02 | 0.03 |
| ## medFamInc | 0.70 | 0.69 | 0.70 | 0.57 |
| ## perCapInc | 0.56 | 0.57 | 0.59 | 0.44 |
| ## whitePerCap | 0.44 | 0.43 | 0.47 | 0.31 |
| ## blackPerCap | 0.45 | 0.45 | 0.47 | 0.36 |
| ## indianPerCap | 0.16 | 0.14 | 0.17 | 0.09 |
| ## AsianPerCap | 0.31 | 0.29 | 0.30 | 0.25 |
| ## OtherPerCap | 0.26 | 0.25 | 0.27 | 0.22 |
| ## HispPerCap | 0.42 | 0.42 | 0.43 | 0.34 |
| ## NumUnderPov | -0.40 | -0.41 | -0.37 | -0.37 |
| ## PctPopUnderPov | -0.75 | -0.77 | -0.77 | -0.66 |
| ## PctLess9thGrade | -0.56 | -0.61 | -0.59 | -0.46 |
| ## PctNotHSGrad | -0.65 | -0.70 | -0.67 | -0.52 |
| ## PctBSorMore | 0.47 | 0.50 | 0.52 | 0.32 |
| ## PctUnemployed | -0.68 | -0.70 | -0.70 | -0.56 |

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|------------------------|-------|-------|-------|-------|
| ## PctEmploy | 0.53 | 0.55 | 0.56 | 0.43 |
| ## PctEmplManu | -0.05 | -0.07 | -0.13 | 0.01 |
| ## PctEmplProfServ | 0.02 | 0.06 | 0.07 | -0.04 |
| ## PctOccupManu | -0.49 | -0.51 | -0.55 | -0.36 |
| ## PctOccupMgmtProf | 0.51 | 0.53 | 0.55 | 0.39 |
| ## MalePctDivorce | -0.73 | -0.71 | -0.67 | -0.63 |
| ## MalePctNevMarr | -0.42 | -0.39 | -0.29 | -0.44 |
| ## FemalePctDiv | -0.74 | -0.72 | -0.65 | -0.66 |
| ## TotalPctDiv | -0.75 | -0.74 | -0.68 | -0.66 |
| ## PersPerFam | 0.11 | 0.04 | 0.04 | 0.12 |
| ## PctFam2Par | 1.00 | 0.98 | 0.93 | 0.91 |
| ## PctKids2Par | 0.98 | 1.00 | 0.92 | 0.90 |
| ## PctYoungKids2Par | 0.93 | 0.92 | 1.00 | 0.81 |
| ## PctTeen2Par | 0.91 | 0.90 | 0.81 | 1.00 |
| ## PctWorkMomYoungKids | -0.06 | -0.04 | 0.00 | -0.06 |
| ## PctWorkMom | 0.05 | 0.09 | 0.11 | 0.02 |
| ## NumIlleg | -0.44 | -0.45 | -0.41 | -0.42 |
| ## PctIlleg | -0.85 | -0.87 | -0.81 | -0.80 |
| ## NumImmig | -0.19 | -0.22 | -0.15 | -0.18 |
| ## PctImmigRecent | -0.21 | -0.20 | -0.16 | -0.24 |
| ## PctImmigRec5 | -0.25 | -0.24 | -0.20 | -0.28 |
| ## PctImmigRec8 | -0.26 | -0.26 | -0.20 | -0.29 |
| ## PctImmigRec10 | -0.29 | -0.30 | -0.23 | -0.33 |
| ## PctRecentImmig | -0.11 | -0.14 | -0.04 | -0.14 |
| ## PctRecImmig5 | -0.12 | -0.15 | -0.05 | -0.15 |
| ## PctRecImmig8 | -0.11 | -0.15 | -0.04 | -0.14 |
| ## PctRecImmig10 | -0.12 | -0.16 | -0.05 | -0.15 |
| ## PctSpeakEnglOnly | 0.13 | 0.19 | 0.10 | 0.13 |
| ## PctNotSpeakEnglWell | -0.22 | -0.28 | -0.19 | -0.21 |
| ## PctLargHouseFam | -0.24 | -0.32 | -0.25 | -0.21 |
| ## PctLargHouseOccup | -0.12 | -0.20 | -0.15 | -0.09 |
| ## PersPerOccupHous | 0.36 | 0.27 | 0.26 | 0.34 |
| ## PersPerOwnOccHous | 0.40 | 0.34 | 0.33 | 0.37 |
| ## PersPerRentOccHous | -0.04 | -0.13 | -0.10 | -0.01 |
| ## PctPersOwnOccup | 0.75 | 0.72 | 0.64 | 0.69 |
| ## PctPersDenseHous | -0.35 | -0.42 | -0.32 | -0.32 |
| ## PctHousLess3BR | -0.68 | -0.66 | -0.57 | -0.63 |
| ## MedNumBR | 0.53 | 0.52 | 0.44 | 0.50 |
| ## HousVacant | -0.35 | -0.35 | -0.31 | -0.33 |
| ## PctHousOccup | 0.35 | 0.36 | 0.33 | 0.30 |
| ## PctHousOwnOcc | 0.71 | 0.66 | 0.59 | 0.66 |
| ## PctVacantBoarded | -0.52 | -0.55 | -0.54 | -0.46 |
| ## PctVacMore6Mos | -0.10 | -0.11 | -0.16 | -0.04 |
| ## MedYrHousBuilt | 0.34 | 0.31 | 0.32 | 0.27 |
| ## PctHousNoPhone | -0.68 | -0.71 | -0.72 | -0.57 |
| ## PctWOfullPlumb | -0.45 | -0.49 | -0.45 | -0.40 |
| ## OwnOccLowQuart | 0.44 | 0.43 | 0.48 | 0.34 |
| ## OwnOccMedVal | 0.42 | 0.41 | 0.46 | 0.32 |
| ## OwnOccHiQuart | 0.40 | 0.39 | 0.45 | 0.30 |
| ## RentLowQ | 0.50 | 0.49 | 0.56 | 0.39 |
| ## RentMedian | 0.50 | 0.49 | 0.55 | 0.39 |
| ## RentHighQ | 0.50 | 0.48 | 0.54 | 0.38 |
| ## MedRent | 0.52 | 0.50 | 0.56 | 0.41 |
| ## MedRentPctHousInc | -0.32 | -0.34 | -0.30 | -0.31 |

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|--------------------------|---------------------|------------|----------|----------|
| ## MedOwnCostPctInc | 0.14 | 0.10 | 0.18 | 0.05 |
| ## MedOwnCostPctIncNoMtg | -0.13 | -0.13 | -0.12 | -0.13 |
| ## NumInShelters | -0.33 | -0.34 | -0.29 | -0.32 |
| ## NumStreet | -0.24 | -0.25 | -0.19 | -0.23 |
| ## PctForeignBorn | -0.03 | -0.07 | 0.04 | -0.06 |
| ## PctBornSameState | -0.08 | -0.07 | -0.14 | -0.01 |
| ## PctSameHouse85 | 0.17 | 0.14 | 0.11 | 0.19 |
| ## PctSameCity85 | -0.12 | -0.14 | -0.15 | -0.05 |
| ## PctSameState85 | -0.05 | -0.06 | -0.09 | 0.02 |
| ## LandArea | -0.08 | -0.10 | -0.08 | -0.07 |
| ## PopDens | -0.34 | -0.33 | -0.22 | -0.34 |
| ## PctUsePubTrans | -0.15 | -0.14 | -0.08 | -0.19 |
| ## LemasPctOfficDrugUn | -0.34 | -0.35 | -0.31 | -0.35 |
| ## ViolentCrimesPerPop | -0.71 | -0.74 | -0.67 | -0.65 |
| ## | PctWorkMomYoungKids | PctWorkMom | NumIlleg | PctIlleg |
| ## population | -0.08 | -0.14 | 0.86 | 0.33 |
| ## householdsize | -0.24 | -0.26 | -0.02 | -0.01 |
| ## racepctblack | 0.10 | 0.01 | 0.42 | 0.81 |
| ## racePctWhite | 0.06 | 0.20 | -0.46 | -0.79 |
| ## racePctAsian | -0.16 | -0.19 | 0.10 | -0.02 |
| ## racePctHisp | -0.25 | -0.37 | 0.24 | 0.31 |
| ## agePct12t21 | -0.05 | -0.07 | 0.03 | 0.16 |
| ## agePct12t29 | 0.08 | 0.05 | 0.13 | 0.28 |
| ## agePct16t24 | 0.04 | 0.03 | 0.08 | 0.22 |
| ## agePct65up | -0.01 | -0.01 | -0.05 | 0.02 |
| ## numbUrban | -0.08 | -0.15 | 0.86 | 0.33 |
| ## pctUrban | -0.09 | -0.10 | 0.18 | 0.09 |
| ## medIncome | -0.14 | -0.03 | -0.20 | -0.47 |
| ## pctWWage | 0.13 | 0.21 | -0.13 | -0.29 |
| ## pctWFarmSelf | 0.08 | 0.09 | -0.15 | -0.24 |
| ## pctWInvInc | 0.01 | 0.16 | -0.28 | -0.61 |
| ## pctWSocSec | -0.05 | -0.07 | -0.03 | 0.11 |
| ## pctWPubAsst | -0.25 | -0.40 | 0.39 | 0.67 |
| ## pctWRetire | -0.12 | -0.07 | -0.10 | -0.15 |
| ## medFamInc | -0.12 | -0.01 | -0.21 | -0.47 |
| ## perCapInc | -0.11 | -0.03 | -0.15 | -0.41 |
| ## whitePerCap | -0.10 | -0.04 | -0.05 | -0.25 |
| ## blackPerCap | -0.13 | -0.06 | -0.12 | -0.31 |
| ## indianPerCap | -0.09 | -0.05 | -0.03 | -0.11 |
| ## AsianPerCap | -0.12 | -0.09 | -0.11 | -0.23 |
| ## OtherPerCap | -0.05 | -0.02 | -0.07 | -0.16 |
| ## HispPerCap | -0.07 | 0.00 | -0.14 | -0.30 |
| ## NumUnderPov | -0.12 | -0.21 | 0.93 | 0.45 |
| ## PctPopUnderPov | -0.15 | -0.29 | 0.34 | 0.64 |
| ## PctLess9thGrade | -0.09 | -0.22 | 0.22 | 0.53 |
| ## PctNotHSGrad | -0.09 | -0.22 | 0.25 | 0.58 |
| ## PctBSorMore | -0.05 | 0.04 | -0.10 | -0.32 |
| ## PctUnemployed | -0.26 | -0.39 | 0.35 | 0.61 |
| ## PctEmploy | 0.30 | 0.40 | -0.16 | -0.34 |
| ## PctEmplManu | 0.08 | 0.05 | -0.05 | 0.08 |
| ## PctEmplProfServ | -0.03 | 0.00 | 0.02 | -0.02 |
| ## PctOccupManu | 0.06 | -0.04 | 0.10 | 0.41 |
| ## PctOccupMgmtProf | -0.08 | 0.01 | -0.12 | -0.37 |
| ## MalePctDivorce | 0.16 | 0.07 | 0.29 | 0.48 |

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|--------------------------|-------|-------|-------|-------|
| ## MalePctNevMarr | 0.00 | -0.02 | 0.32 | 0.48 |
| ## FemalePctDiv | 0.12 | 0.02 | 0.31 | 0.51 |
| ## TotalPctDiv | 0.14 | 0.05 | 0.30 | 0.51 |
| ## PersPerFam | -0.26 | -0.34 | 0.16 | 0.19 |
| ## PctFam2Par | -0.06 | 0.05 | -0.44 | -0.85 |
| ## PctKids2Par | -0.04 | 0.09 | -0.45 | -0.87 |
| ## PctYoungKids2Par | 0.00 | 0.11 | -0.41 | -0.81 |
| ## PctTeen2Par | -0.06 | 0.02 | -0.42 | -0.80 |
| ## PctWorkMomYoungKids | 1.00 | 0.90 | -0.11 | -0.01 |
| ## PctWorkMom | 0.90 | 1.00 | -0.19 | -0.13 |
| ## NumIlleg | -0.11 | -0.19 | 1.00 | 0.54 |
| ## PctIlleg | -0.01 | -0.13 | 0.54 | 1.00 |
| ## NumImmig | -0.11 | -0.18 | 0.71 | 0.28 |
| ## PctImmigRecent | 0.00 | -0.02 | 0.11 | 0.23 |
| ## PctImmigRec5 | 0.01 | -0.02 | 0.13 | 0.27 |
| ## PctImmigRec8 | 0.02 | -0.02 | 0.16 | 0.29 |
| ## PctImmigRec10 | 0.01 | -0.03 | 0.19 | 0.34 |
| ## PctRecentImmig | -0.23 | -0.29 | 0.22 | 0.27 |
| ## PctRecImmig5 | -0.22 | -0.29 | 0.23 | 0.29 |
| ## PctRecImmig8 | -0.21 | -0.29 | 0.23 | 0.28 |
| ## PctRecImmig10 | -0.21 | -0.29 | 0.24 | 0.29 |
| ## PctSpeakEnglOnly | 0.29 | 0.39 | -0.25 | -0.28 |
| ## PctNotSpeakEnglWell | -0.26 | -0.38 | 0.29 | 0.37 |
| ## PctLargHouseFam | -0.26 | -0.40 | 0.31 | 0.44 |
| ## PctLargHouseOccup | -0.28 | -0.40 | 0.22 | 0.34 |
| ## PersPerOccupHous | -0.27 | -0.31 | -0.01 | -0.04 |
| ## PersPerOwnOccHous | -0.22 | -0.25 | 0.03 | -0.08 |
| ## PersPerRentOccHous | -0.24 | -0.34 | 0.08 | 0.22 |
| ## PctPersOwnOccup | -0.01 | 0.08 | -0.35 | -0.64 |
| ## PctPersDenseHous | -0.20 | -0.35 | 0.31 | 0.47 |
| ## PctHousLess3BR | 0.08 | 0.00 | 0.29 | 0.51 |
| ## MedNumBR | -0.04 | 0.02 | -0.24 | -0.39 |
| ## HousVacant | -0.05 | -0.12 | 0.82 | 0.36 |
| ## PctHousOccup | 0.02 | 0.05 | -0.14 | -0.20 |
| ## PctHousOwnOcc | -0.04 | 0.04 | -0.34 | -0.60 |
| ## PctVacantBoarded | -0.16 | -0.25 | 0.46 | 0.57 |
| ## PctVacMore6Mos | -0.11 | -0.12 | 0.02 | 0.08 |
| ## MedYrHousBuilt | 0.14 | 0.16 | -0.16 | -0.27 |
| ## PctHousNoPhone | -0.02 | -0.15 | 0.23 | 0.56 |
| ## PctWOFullPlumb | -0.12 | -0.23 | 0.28 | 0.44 |
| ## OwnOccLowQuart | -0.21 | -0.14 | -0.08 | -0.24 |
| ## OwnOccMedVal | -0.22 | -0.16 | -0.06 | -0.23 |
| ## OwnOccHiQuart | -0.22 | -0.17 | -0.05 | -0.21 |
| ## RentLowQ | -0.14 | -0.04 | -0.11 | -0.29 |
| ## RentMedian | -0.18 | -0.08 | -0.09 | -0.28 |
| ## RentHighQ | -0.18 | -0.09 | -0.08 | -0.26 |
| ## MedRent | -0.17 | -0.07 | -0.10 | -0.28 |
| ## MedRentPctHousInc | -0.28 | -0.29 | 0.18 | 0.35 |
| ## MedOwnCostPctInc | -0.16 | -0.11 | 0.07 | 0.06 |
| ## MedOwnCostPctIncNoMtg | -0.11 | -0.04 | 0.07 | 0.22 |
| ## NumInShelters | -0.08 | -0.13 | 0.81 | 0.37 |
| ## NumStreet | -0.07 | -0.12 | 0.61 | 0.28 |
| ## PctForeignBorn | -0.25 | -0.32 | 0.20 | 0.21 |
| ## PctBornSameState | 0.10 | 0.08 | -0.05 | 0.01 |

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|------------------------|----------|----------------|--------------|--------------|
| ## PctSameHouse85 | -0.12 | -0.11 | -0.04 | -0.11 |
| ## PctSameCity85 | -0.07 | -0.13 | 0.11 | 0.12 |
| ## PctSameState85 | -0.02 | -0.05 | 0.02 | 0.02 |
| ## LandArea | -0.04 | -0.07 | 0.62 | 0.12 |
| ## PopDens | -0.13 | -0.18 | 0.31 | 0.41 |
| ## PctUsePubTrans | -0.21 | -0.22 | 0.36 | 0.30 |
| ## LemasPctOfficDrugUn | -0.04 | -0.10 | 0.40 | 0.39 |
| ## ViolentCrimesPerPop | -0.06 | -0.19 | 0.50 | 0.74 |
| ## | NumImmig | PctImmigRecent | PctImmigRec5 | PctImmigRec8 |
| ## population | 0.80 | 0.13 | 0.15 | 0.18 |
| ## householdsize | 0.09 | 0.04 | 0.06 | 0.08 |
| ## racepctblack | 0.12 | 0.17 | 0.19 | 0.23 |
| ## racePctWhite | -0.34 | -0.24 | -0.29 | -0.35 |
| ## racePctAsian | 0.37 | 0.18 | 0.22 | 0.30 |
| ## racePctHisp | 0.42 | 0.11 | 0.16 | 0.20 |
| ## agePct12t21 | -0.01 | 0.34 | 0.35 | 0.33 |
| ## agePct12t29 | 0.11 | 0.43 | 0.47 | 0.47 |
| ## agePct16t24 | 0.04 | 0.44 | 0.46 | 0.45 |
| ## agePct65up | -0.11 | -0.17 | -0.20 | -0.24 |
| ## numbUrban | 0.80 | 0.12 | 0.14 | 0.18 |
| ## pctUrban | 0.20 | 0.01 | 0.04 | 0.08 |
| ## medIncome | -0.03 | -0.11 | -0.13 | -0.11 |
| ## pctWWage | 0.03 | 0.07 | 0.09 | 0.12 |
| ## pctWFarmSelf | -0.11 | 0.04 | 0.03 | 0.05 |
| ## pctWInvInc | -0.15 | -0.11 | -0.17 | -0.19 |
| ## pctWSocSec | -0.14 | -0.19 | -0.21 | -0.26 |
| ## pctWPubAsst | 0.22 | 0.07 | 0.11 | 0.11 |
| ## pctWRetire | -0.14 | -0.26 | -0.31 | -0.35 |
| ## medFamInc | -0.05 | -0.06 | -0.09 | -0.07 |
| ## perCapInc | -0.02 | -0.05 | -0.07 | -0.06 |
| ## whitePerCap | 0.06 | 0.00 | -0.02 | 0.01 |
| ## blackPerCap | 0.01 | -0.05 | -0.07 | -0.06 |
| ## indianPerCap | 0.01 | -0.02 | -0.04 | -0.04 |
| ## AsianPerCap | -0.04 | -0.17 | -0.20 | -0.18 |
| ## OtherPerCap | -0.01 | -0.02 | -0.03 | -0.02 |
| ## HispPerCap | -0.07 | -0.11 | -0.17 | -0.17 |
| ## NumUnderPov | 0.76 | 0.14 | 0.15 | 0.18 |
| ## PctPopUnderPov | 0.15 | 0.25 | 0.27 | 0.27 |
| ## PctLess9thGrade | 0.19 | 0.05 | 0.09 | 0.10 |
| ## PctNotHSGrad | 0.14 | 0.00 | 0.04 | 0.04 |
| ## PctBSorMore | -0.01 | 0.19 | 0.16 | 0.17 |
| ## PctUnemployed | 0.17 | 0.06 | 0.07 | 0.06 |
| ## PctEmploy | -0.01 | -0.02 | 0.00 | 0.03 |
| ## PctEmplManu | -0.03 | -0.10 | -0.07 | -0.08 |
| ## PctEmplProfServ | -0.06 | 0.20 | 0.17 | 0.14 |
| ## PctOccupManu | 0.02 | -0.04 | 0.00 | -0.01 |
| ## PctOccupMgmtProf | -0.03 | 0.09 | 0.05 | 0.06 |
| ## MalePctDivorce | 0.13 | 0.08 | 0.13 | 0.16 |
| ## MalePctNevMarr | 0.26 | 0.41 | 0.43 | 0.43 |
| ## FemalePctDiv | 0.19 | 0.16 | 0.22 | 0.26 |
| ## TotalPctDiv | 0.16 | 0.13 | 0.18 | 0.21 |
| ## PersPerFam | 0.23 | -0.02 | 0.00 | 0.04 |
| ## PctFam2Par | -0.19 | -0.21 | -0.25 | -0.26 |
| ## PctKids2Par | -0.22 | -0.20 | -0.24 | -0.26 |

| | | | | |
|--------------------------|-------|-------|-------|-------|
| ## PctYoungKids2Par | -0.15 | -0.16 | -0.20 | -0.20 |
| ## PctTeen2Par | -0.18 | -0.24 | -0.28 | -0.29 |
| ## PctWorkMomYoungKids | -0.11 | 0.00 | 0.01 | 0.02 |
| ## PctWorkMom | -0.18 | -0.02 | -0.02 | -0.02 |
| ## NumIlleg | 0.71 | 0.11 | 0.13 | 0.16 |
| ## PctIlleg | 0.28 | 0.23 | 0.27 | 0.29 |
| ## NumImmig | 1.00 | 0.11 | 0.14 | 0.18 |
| ## PctImmigRecent | 0.11 | 1.00 | 0.89 | 0.81 |
| ## PctImmigRec5 | 0.14 | 0.89 | 1.00 | 0.94 |
| ## PctImmigRec8 | 0.18 | 0.81 | 0.94 | 1.00 |
| ## PctImmigRec10 | 0.23 | 0.72 | 0.86 | 0.93 |
| ## PctRecentImmig | 0.48 | 0.41 | 0.45 | 0.49 |
| ## PctRecImmig5 | 0.49 | 0.36 | 0.44 | 0.48 |
| ## PctRecImmig8 | 0.50 | 0.32 | 0.40 | 0.46 |
| ## PctRecImmig10 | 0.51 | 0.29 | 0.37 | 0.44 |
| ## PctSpeakEnglOnly | -0.49 | -0.10 | -0.15 | -0.20 |
| ## PctNotSpeakEnglWell | 0.51 | 0.15 | 0.22 | 0.26 |
| ## PctLargHouseFam | 0.37 | 0.10 | 0.15 | 0.18 |
| ## PctLargHouseOccup | 0.31 | 0.06 | 0.10 | 0.14 |
| ## PersPerOccupHous | 0.12 | -0.10 | -0.08 | -0.05 |
| ## PersPerOwnOccHous | 0.14 | -0.09 | -0.09 | -0.06 |
| ## PersPerRentOccHous | 0.18 | 0.04 | 0.10 | 0.14 |
| ## PctPersOwnOccup | -0.29 | -0.36 | -0.42 | -0.45 |
| ## PctPersDenseHous | 0.45 | 0.18 | 0.25 | 0.31 |
| ## PctHousLess3BR | 0.27 | 0.24 | 0.29 | 0.30 |
| ## MedNumBR | -0.21 | -0.23 | -0.28 | -0.30 |
| ## HousVacant | 0.63 | 0.11 | 0.12 | 0.15 |
| ## PctHousOccup | 0.01 | -0.02 | -0.03 | -0.03 |
| ## PctHousOwnOcc | -0.28 | -0.35 | -0.41 | -0.43 |
| ## PctVacantBoarded | 0.18 | 0.02 | 0.02 | 0.04 |
| ## PctVacMore6Mos | -0.15 | -0.20 | -0.23 | -0.25 |
| ## MedYrHousBuilt | -0.06 | 0.01 | 0.03 | 0.06 |
| ## PctHousNoPhone | 0.05 | 0.14 | 0.18 | 0.18 |
| ## PctWOFullPlumb | 0.23 | 0.08 | 0.12 | 0.13 |
| ## OwnOccLowQuart | 0.16 | 0.02 | 0.03 | 0.05 |
| ## OwnOccMedVal | 0.17 | 0.03 | 0.04 | 0.07 |
| ## OwnOccHiQuart | 0.18 | 0.04 | 0.05 | 0.08 |
| ## RentLowQ | 0.12 | -0.01 | 0.01 | 0.05 |
| ## RentMedian | 0.12 | -0.02 | 0.00 | 0.03 |
| ## RentHighQ | 0.14 | -0.01 | 0.00 | 0.03 |
| ## MedRent | 0.09 | -0.04 | -0.03 | 0.01 |
| ## MedRentPctHousInc | 0.18 | 0.18 | 0.19 | 0.18 |
| ## MedOwnCostPctInc | 0.24 | 0.01 | 0.05 | 0.08 |
| ## MedOwnCostPctIncNoMtg | -0.06 | -0.08 | -0.07 | -0.10 |
| ## NumInShelters | 0.73 | 0.12 | 0.14 | 0.16 |
| ## NumStreet | 0.66 | 0.10 | 0.12 | 0.15 |
| ## PctForeignBorn | 0.50 | 0.16 | 0.22 | 0.28 |
| ## PctBornSameState | -0.21 | -0.19 | -0.21 | -0.24 |
| ## PctSameHouse85 | -0.09 | -0.38 | -0.43 | -0.45 |
| ## PctSameCity85 | 0.02 | -0.32 | -0.35 | -0.35 |
| ## PctSameState85 | -0.06 | -0.31 | -0.32 | -0.32 |
| ## LandArea | 0.56 | 0.02 | 0.03 | 0.05 |
| ## PopDens | 0.38 | 0.17 | 0.21 | 0.25 |
| ## PctUsePubTrans | 0.31 | 0.11 | 0.13 | 0.15 |

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|------------------------|---------------|----------------|--------------|------|
| ## LemasPctOfficDrugUn | 0.36 | 0.15 | 0.17 | 0.20 |
| ## ViolentCrimesPerPop | 0.32 | 0.17 | 0.21 | 0.27 |
| ## | PctImmigRec10 | PctRecentImmig | PctRecImmig5 | |
| ## population | 0.22 | 0.25 | 0.25 | |
| ## householdsize | 0.11 | 0.27 | 0.29 | |
| ## racepctblack | 0.27 | 0.03 | 0.04 | |
| ## racePctWhite | -0.43 | -0.45 | -0.47 | |
| ## racePctAsian | 0.33 | 0.65 | 0.65 | |
| ## racePctHisp | 0.28 | 0.64 | 0.66 | |
| ## agePct12t21 | 0.31 | 0.07 | 0.06 | |
| ## agePct12t29 | 0.47 | 0.25 | 0.24 | |
| ## agePct16t24 | 0.41 | 0.18 | 0.16 | |
| ## agePct65up | -0.27 | -0.21 | -0.22 | |
| ## numbUrban | 0.22 | 0.26 | 0.27 | |
| ## pctUrban | 0.08 | 0.29 | 0.30 | |
| ## medIncome | -0.13 | 0.14 | 0.14 | |
| ## pctWWage | 0.12 | 0.16 | 0.16 | |
| ## pctWFarmSelf | 0.05 | -0.13 | -0.14 | |
| ## pctWInvInc | -0.26 | -0.09 | -0.11 | |
| ## pctWSocSec | -0.29 | -0.26 | -0.26 | |
| ## pctWPubAsst | 0.16 | 0.17 | 0.18 | |
| ## pctWRetire | -0.40 | -0.27 | -0.28 | |
| ## medFamInc | -0.11 | 0.14 | 0.13 | |
| ## perCapInc | -0.10 | 0.13 | 0.12 | |
| ## whitePerCap | -0.01 | 0.19 | 0.18 | |
| ## blackPerCap | -0.07 | 0.18 | 0.17 | |
| ## indianPerCap | -0.05 | 0.09 | 0.09 | |
| ## AsianPerCap | -0.18 | 0.03 | 0.02 | |
| ## OtherPerCap | -0.05 | 0.09 | 0.08 | |
| ## HispPerCap | -0.20 | 0.01 | 0.00 | |
| ## NumUnderPov | 0.21 | 0.22 | 0.23 | |
| ## PctPopUnderPov | 0.30 | 0.08 | 0.09 | |
| ## PctLess9thGrade | 0.16 | 0.19 | 0.21 | |
| ## PctNotHSGrad | 0.10 | 0.10 | 0.12 | |
| ## PctBSorMore | 0.11 | 0.16 | 0.13 | |
| ## PctUnemployed | 0.10 | 0.13 | 0.14 | |
| ## PctEmploy | 0.04 | 0.06 | 0.06 | |
| ## PctEmplManu | -0.07 | -0.07 | -0.06 | |
| ## PctEmplProfServ | 0.07 | -0.01 | -0.05 | |
| ## PctOccupManu | 0.02 | -0.07 | -0.05 | |
| ## PctOccupMgmtProf | 0.01 | 0.09 | 0.06 | |
| ## MalePctDivorce | 0.21 | -0.02 | -0.01 | |
| ## MalePctNevMarr | 0.41 | 0.43 | 0.42 | |
| ## FemalePctDiv | 0.32 | 0.11 | 0.13 | |
| ## TotalPctDiv | 0.27 | 0.05 | 0.06 | |
| ## PersPerFam | 0.10 | 0.34 | 0.36 | |
| ## PctFam2Par | -0.29 | -0.11 | -0.12 | |
| ## PctKids2Par | -0.30 | -0.14 | -0.15 | |
| ## PctYoungKids2Par | -0.23 | -0.04 | -0.05 | |
| ## PctTeen2Par | -0.33 | -0.14 | -0.15 | |
| ## PctWorkMomYoungKids | 0.01 | -0.23 | -0.22 | |
| ## PctWorkMom | -0.03 | -0.29 | -0.29 | |
| ## NumIlleg | 0.19 | 0.22 | 0.23 | |
| ## PctIlleg | 0.34 | 0.27 | 0.29 | |

| | | | |
|--------------------------|--------------|---------------|------------------|
| ## NumImmig | 0.23 | 0.48 | 0.49 |
| ## PctImmigRecent | 0.72 | 0.41 | 0.36 |
| ## PctImmigRec5 | 0.86 | 0.45 | 0.44 |
| ## PctImmigRec8 | 0.93 | 0.49 | 0.48 |
| ## PctImmigRec10 | 1.00 | 0.52 | 0.52 |
| ## PctRecentImmig | 0.52 | 1.00 | 0.99 |
| ## PctRecImmig5 | 0.52 | 0.99 | 1.00 |
| ## PctRecImmig8 | 0.51 | 0.98 | 0.99 |
| ## PctRecImmig10 | 0.50 | 0.97 | 0.99 |
| ## PctSpeakEnglOnly | -0.28 | -0.79 | -0.81 |
| ## PctNotSpeakEnglWell | 0.34 | 0.80 | 0.83 |
| ## PctLargHouseFam | 0.26 | 0.53 | 0.55 |
| ## PctLargHouseOccup | 0.21 | 0.49 | 0.51 |
| ## PersPerOccupHous | 0.00 | 0.25 | 0.27 |
| ## PersPerOwnOccHous | -0.03 | 0.25 | 0.27 |
| ## PersPerRentOccHous | 0.22 | 0.36 | 0.39 |
| ## PctPersOwnOccup | -0.49 | -0.42 | -0.42 |
| ## PctPersDenseHous | 0.40 | 0.68 | 0.71 |
| ## PctHousLess3BR | 0.34 | 0.36 | 0.37 |
| ## MedNumBR | -0.32 | -0.31 | -0.31 |
| ## HousVacant | 0.18 | 0.14 | 0.14 |
| ## PctHousOccup | -0.05 | 0.10 | 0.10 |
| ## PctHousOwnOcc | -0.46 | -0.39 | -0.39 |
| ## PctVacantBoarded | 0.06 | -0.01 | 0.00 |
| ## PctVacMore6Mos | -0.26 | -0.32 | -0.33 |
| ## MedYrHousBuilt | 0.10 | -0.09 | -0.08 |
| ## PctHousNoPhone | 0.24 | -0.05 | -0.04 |
| ## PctWOFullPlumb | 0.18 | 0.19 | 0.20 |
| ## OwnOccLowQuart | 0.03 | 0.47 | 0.47 |
| ## OwnOccMedVal | 0.05 | 0.47 | 0.47 |
| ## OwnOccHiQuart | 0.06 | 0.47 | 0.46 |
| ## RentLowQ | 0.04 | 0.42 | 0.42 |
| ## RentMedian | 0.01 | 0.41 | 0.41 |
| ## RentHighQ | 0.02 | 0.42 | 0.42 |
| ## MedRent | -0.01 | 0.37 | 0.38 |
| ## MedRentPctHousInc | 0.19 | 0.33 | 0.33 |
| ## MedOwnCostPctInc | 0.11 | 0.46 | 0.48 |
| ## MedOwnCostPctIncNoMtg | -0.11 | -0.06 | -0.04 |
| ## NumInShelters | 0.19 | 0.23 | 0.23 |
| ## NumStreet | 0.19 | 0.25 | 0.26 |
| ## PctForeignBorn | 0.33 | 0.92 | 0.94 |
| ## PctBornSameState | -0.25 | -0.47 | -0.47 |
| ## PctSameHouse85 | -0.48 | -0.21 | -0.22 |
| ## PctSameCity85 | -0.34 | -0.13 | -0.12 |
| ## PctSameState85 | -0.30 | -0.23 | -0.22 |
| ## LandArea | 0.08 | 0.00 | 0.01 |
| ## PopDens | 0.27 | 0.63 | 0.64 |
| ## PctUsePubTrans | 0.14 | 0.43 | 0.43 |
| ## LemasPctOfficDrugUn | 0.21 | 0.26 | 0.27 |
| ## ViolentCrimesPerPop | 0.31 | 0.28 | 0.30 |
| ## | PctRecImmig8 | PctRecImmig10 | PctSpeakEnglOnly |
| ## population | 0.26 | 0.27 | -0.26 |
| ## householdsize | 0.29 | 0.30 | -0.39 |
| ## racepctblack | 0.05 | 0.06 | 0.00 |

| | | | |
|------------------------|-------|-------|-------|
| ## racePctWhite | -0.48 | -0.50 | 0.48 |
| ## racePctAsian | 0.68 | 0.68 | -0.50 |
| ## racePctHisp | 0.66 | 0.68 | -0.88 |
| ## agePct12t21 | 0.04 | 0.03 | -0.06 |
| ## agePct12t29 | 0.22 | 0.21 | -0.17 |
| ## agePct16t24 | 0.14 | 0.12 | -0.07 |
| ## agePct65up | -0.22 | -0.22 | 0.18 |
| ## numbUrban | 0.28 | 0.29 | -0.27 |
| ## pctUrban | 0.31 | 0.31 | -0.24 |
| ## medIncome | 0.16 | 0.14 | -0.02 |
| ## pctWWage | 0.17 | 0.16 | -0.06 |
| ## pctWFarmSelf | -0.13 | -0.13 | 0.09 |
| ## pctWInvInc | -0.11 | -0.13 | 0.25 |
| ## pctWSocSec | -0.27 | -0.26 | 0.16 |
| ## pctWPubAsst | 0.18 | 0.20 | -0.34 |
| ## pctWRetire | -0.28 | -0.29 | 0.23 |
| ## medFamInc | 0.14 | 0.12 | 0.02 |
| ## perCapInc | 0.13 | 0.11 | 0.04 |
| ## whitePerCap | 0.20 | 0.18 | -0.01 |
| ## blackPerCap | 0.18 | 0.18 | -0.10 |
| ## indianPerCap | 0.09 | 0.09 | -0.06 |
| ## AsianPerCap | 0.04 | 0.03 | 0.01 |
| ## OtherPerCap | 0.09 | 0.08 | -0.02 |
| ## HispPerCap | 0.01 | 0.00 | 0.08 |
| ## NumUnderPov | 0.23 | 0.24 | -0.28 |
| ## PctPopUnderPov | 0.07 | 0.08 | -0.20 |
| ## PctLess9thGrade | 0.20 | 0.22 | -0.44 |
| ## PctNotHSGrad | 0.11 | 0.14 | -0.34 |
| ## PctBSorMore | 0.13 | 0.10 | 0.10 |
| ## PctUnemployed | 0.14 | 0.15 | -0.34 |
| ## PctEmploy | 0.07 | 0.07 | 0.07 |
| ## PctEmplManu | -0.06 | -0.05 | 0.02 |
| ## PctEmplProfServ | -0.06 | -0.08 | 0.14 |
| ## PctOccupManu | -0.05 | -0.04 | -0.10 |
| ## PctOccupMgmtProf | 0.07 | 0.04 | 0.13 |
| ## MalePctDivorce | -0.01 | 0.01 | 0.02 |
| ## MalePctNevMarr | 0.40 | 0.38 | -0.30 |
| ## FemalePctDiv | 0.13 | 0.15 | -0.10 |
| ## TotalPctDiv | 0.06 | 0.08 | -0.04 |
| ## PersPerFam | 0.37 | 0.39 | -0.53 |
| ## PctFam2Par | -0.11 | -0.12 | 0.13 |
| ## PctKids2Par | -0.15 | -0.16 | 0.19 |
| ## PctYoungKids2Par | -0.04 | -0.05 | 0.10 |
| ## PctTeen2Par | -0.14 | -0.15 | 0.13 |
| ## PctWorkMomYoungKids | -0.21 | -0.21 | 0.29 |
| ## PctWorkMom | -0.29 | -0.29 | 0.39 |
| ## NumIlleg | 0.23 | 0.24 | -0.25 |
| ## PctIlleg | 0.28 | 0.29 | -0.28 |
| ## NumImmig | 0.50 | 0.51 | -0.49 |
| ## PctImmigRecent | 0.32 | 0.29 | -0.10 |
| ## PctImmigRec5 | 0.40 | 0.37 | -0.15 |
| ## PctImmigRec8 | 0.46 | 0.44 | -0.20 |
| ## PctImmigRec10 | 0.51 | 0.50 | -0.28 |
| ## PctRecentImmig | 0.98 | 0.97 | -0.79 |

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|--------------------------|---------------------|-----------------|-------|
| ## PctRecImmig5 | 0.99 | 0.99 | -0.81 |
| ## PctRecImmig8 | 1.00 | 1.00 | -0.82 |
| ## PctRecImmig10 | 1.00 | 1.00 | -0.84 |
| ## PctSpeakEnglOnly | -0.82 | -0.84 | 1.00 |
| ## PctNotSpeakEnglWell | 0.83 | 0.85 | -0.94 |
| ## PctLargHouseFam | 0.56 | 0.58 | -0.69 |
| ## PctLargHouseOccup | 0.52 | 0.54 | -0.66 |
| ## PersPerOccupHous | 0.29 | 0.31 | -0.43 |
| ## PersPerOwnOccHous | 0.28 | 0.30 | -0.41 |
| ## PersPerRentOccHous | 0.40 | 0.42 | -0.52 |
| ## PctPersOwnOccup | -0.41 | -0.41 | 0.36 |
| ## PctPersDenseHous | 0.72 | 0.74 | -0.81 |
| ## PctHousLess3BR | 0.36 | 0.36 | -0.34 |
| ## MedNumBR | -0.31 | -0.31 | 0.32 |
| ## HousVacant | 0.15 | 0.16 | -0.16 |
| ## PctHousOccup | 0.11 | 0.10 | -0.02 |
| ## PctHousOwnOcc | -0.38 | -0.38 | 0.33 |
| ## PctVacantBoarded | 0.00 | 0.01 | -0.15 |
| ## PctVacMore6Mos | -0.33 | -0.32 | 0.16 |
| ## MedYrHousBuilt | -0.07 | -0.06 | 0.10 |
| ## PctHousNoPhone | -0.05 | -0.03 | -0.11 |
| ## PctWOFullPlumb | 0.20 | 0.21 | -0.35 |
| ## OwnOccLowQuart | 0.48 | 0.46 | -0.32 |
| ## OwnOccMedVal | 0.49 | 0.47 | -0.32 |
| ## OwnOccHiQuart | 0.48 | 0.46 | -0.30 |
| ## RentLowQ | 0.43 | 0.42 | -0.26 |
| ## RentMedian | 0.43 | 0.42 | -0.27 |
| ## RentHighQ | 0.43 | 0.42 | -0.28 |
| ## MedRent | 0.39 | 0.38 | -0.24 |
| ## MedRentPctHousInc | 0.32 | 0.32 | -0.32 |
| ## MedOwnCostPctInc | 0.49 | 0.49 | -0.46 |
| ## MedOwnCostPctIncNoMtg | -0.05 | -0.05 | -0.02 |
| ## NumInShelters | 0.23 | 0.24 | -0.21 |
| ## NumStreet | 0.27 | 0.27 | -0.22 |
| ## PctForeignBorn | 0.95 | 0.96 | -0.88 |
| ## PctBornSameState | -0.47 | -0.47 | 0.31 |
| ## PctSameHouse85 | -0.20 | -0.20 | 0.04 |
| ## PctSameCity85 | -0.11 | -0.09 | -0.07 |
| ## PctSameState85 | -0.20 | -0.19 | 0.02 |
| ## LandArea | 0.01 | 0.02 | -0.06 |
| ## PopDens | 0.64 | 0.65 | -0.56 |
| ## PctUsePubTrans | 0.43 | 0.42 | -0.32 |
| ## LemasPctOfficDrugUn | 0.28 | 0.28 | -0.27 |
| ## ViolentCrimesPerPop | 0.30 | 0.32 | -0.32 |
| ## | PctNotSpeakEnglWell | PctLargHouseFam | |
| ## population | 0.27 | 0.25 | |
| ## householdsize | 0.39 | 0.62 | |
| ## racepctblack | 0.05 | 0.24 | |
| ## racePctWhite | -0.51 | -0.61 | |
| ## racePctAsian | 0.40 | 0.29 | |
| ## racePctHisp | 0.89 | 0.75 | |
| ## agePct12t21 | 0.08 | 0.25 | |
| ## agePct12t29 | 0.20 | 0.24 | |
| ## agePct16t24 | 0.09 | 0.10 | |

| | | |
|------------------------|-------|-------|
| ## agePct65up | -0.18 | -0.31 |
| ## numbUrban | 0.28 | 0.25 |
| ## pctUrban | 0.21 | 0.14 |
| ## medIncome | -0.08 | -0.14 |
| ## pctWWage | 0.01 | 0.05 |
| ## pctWFarmSelf | -0.08 | -0.03 |
| ## pctWInvInc | -0.36 | -0.50 |
| ## pctWSocSec | -0.14 | -0.17 |
| ## pctWPubAsst | 0.43 | 0.52 |
| ## pctWRetire | -0.26 | -0.27 |
| ## medFamInc | -0.13 | -0.22 |
| ## perCapInc | -0.15 | -0.31 |
| ## whitePerCap | -0.10 | -0.24 |
| ## blackPerCap | 0.02 | -0.11 |
| ## indianPerCap | 0.02 | -0.01 |
| ## AsianPerCap | -0.06 | -0.15 |
| ## OtherPerCap | -0.05 | -0.07 |
| ## HispPerCap | -0.17 | -0.25 |
| ## NumUnderPov | 0.31 | 0.30 |
| ## PctPopUnderPov | 0.30 | 0.37 |
| ## PctLess9thGrade | 0.52 | 0.44 |
| ## PctNotHSGrad | 0.44 | 0.43 |
| ## PctBSorMore | -0.19 | -0.30 |
| ## PctUnemployed | 0.41 | 0.47 |
| ## PctEmploy | -0.10 | -0.12 |
| ## PctEmplManu | 0.04 | 0.06 |
| ## PctEmplProfServ | -0.21 | -0.20 |
| ## PctOccupManu | 0.21 | 0.29 |
| ## PctOccupMgmtProf | -0.23 | -0.33 |
| ## MalePctDivorce | 0.07 | 0.06 |
| ## MalePctNevMarr | 0.30 | 0.23 |
| ## FemalePctDiv | 0.19 | 0.17 |
| ## TotalPctDiv | 0.13 | 0.12 |
| ## PersPerFam | 0.55 | 0.84 |
| ## PctFam2Par | -0.22 | -0.24 |
| ## PctKids2Par | -0.28 | -0.32 |
| ## PctYoungKids2Par | -0.19 | -0.25 |
| ## PctTeen2Par | -0.21 | -0.21 |
| ## PctWorkMomYoungKids | -0.26 | -0.26 |
| ## PctWorkMom | -0.38 | -0.40 |
| ## NumIlleg | 0.29 | 0.31 |
| ## PctIlleg | 0.37 | 0.44 |
| ## NumImmig | 0.51 | 0.37 |
| ## PctImmigRecent | 0.15 | 0.10 |
| ## PctImmigRec5 | 0.22 | 0.15 |
| ## PctImmigRec8 | 0.26 | 0.18 |
| ## PctImmigRec10 | 0.34 | 0.26 |
| ## PctRecentImmig | 0.80 | 0.53 |
| ## PctRecImmig5 | 0.83 | 0.55 |
| ## PctRecImmig8 | 0.83 | 0.56 |
| ## PctRecImmig10 | 0.85 | 0.58 |
| ## PctSpeakEnglOnly | -0.94 | -0.69 |
| ## PctNotSpeakEnglWell | 1.00 | 0.74 |
| ## PctLargHouseFam | 0.74 | 1.00 |

| | | | |
|--------------------------|-------------------|------------------|-------------------|
| ## PctLargHouseOccup | 0.71 | 0.98 | |
| ## PersPerOccupHous | 0.43 | 0.68 | |
| ## PersPerOwnOccHous | 0.39 | 0.61 | |
| ## PersPerRentOccHous | 0.56 | 0.74 | |
| ## PctPersOwnOccup | -0.43 | -0.27 | |
| ## PctPersDenseHous | 0.88 | 0.86 | |
| ## PctHousLess3BR | 0.40 | 0.20 | |
| ## MedNumBR | -0.34 | -0.16 | |
| ## HousVacant | 0.17 | 0.15 | |
| ## PctHousOccup | 0.01 | 0.02 | |
| ## PctHousOwnOcc | -0.39 | -0.21 | |
| ## PctVacantBoarded | 0.18 | 0.36 | |
| ## PctVacMore6Mos | -0.17 | -0.03 | |
| ## MedYrHousBuilt | -0.08 | -0.02 | |
| ## PctHousNoPhone | 0.21 | 0.28 | |
| ## PctWOFullPlumb | 0.42 | 0.38 | |
| ## OwnOccLowQuart | 0.21 | 0.03 | |
| ## OwnOccMedVal | 0.22 | 0.03 | |
| ## OwnOccHiQuart | 0.20 | 0.01 | |
| ## RentLowQ | 0.16 | 0.02 | |
| ## RentMedian | 0.16 | 0.02 | |
| ## RentHighQ | 0.17 | 0.03 | |
| ## MedRent | 0.13 | 0.01 | |
| ## MedRentPctHousInc | 0.32 | 0.32 | |
| ## MedOwnCostPctInc | 0.41 | 0.31 | |
| ## MedOwnCostPctIncNoMtg | 0.00 | 0.01 | |
| ## NumInShelters | 0.24 | 0.20 | |
| ## NumStreet | 0.26 | 0.20 | |
| ## PctForeignBorn | 0.85 | 0.56 | |
| ## PctBornSameState | -0.27 | -0.07 | |
| ## PctSameHouse85 | -0.08 | -0.02 | |
| ## PctSameCity85 | 0.08 | 0.18 | |
| ## PctSameState85 | -0.01 | 0.13 | |
| ## LandArea | 0.05 | 0.08 | |
| ## PopDens | 0.57 | 0.38 | |
| ## PctUsePubTrans | 0.30 | 0.19 | |
| ## LemasPctOfficDrugUn | 0.28 | 0.19 | |
| ## ViolentCrimesPerPop | 0.39 | 0.43 | |
| ## | PctLargHouseOccup | PersPerOccupHous | PersPerOwnOccHous |
| ## population | 0.18 | -0.02 | 0.03 |
| ## householdsize | 0.71 | 0.88 | 0.81 |
| ## racepctblack | 0.16 | -0.09 | -0.14 |
| ## racePctWhite | -0.54 | -0.21 | -0.13 |
| ## racePctAsian | 0.28 | 0.24 | 0.23 |
| ## racePctHisp | 0.74 | 0.49 | 0.42 |
| ## agePct12t21 | 0.25 | 0.22 | 0.23 |
| ## agePct12t29 | 0.20 | 0.05 | 0.12 |
| ## agePct16t24 | 0.07 | -0.08 | -0.02 |
| ## agePct65up | -0.35 | -0.60 | -0.66 |
| ## numbUrban | 0.18 | -0.01 | 0.04 |
| ## pctUrban | 0.12 | 0.08 | 0.15 |
| ## medIncome | -0.06 | 0.34 | 0.39 |
| ## pctWWage | 0.12 | 0.49 | 0.59 |
| ## pctWFarmSelf | 0.00 | 0.08 | 0.05 |

| | | | |
|------------------------|-------|-------|-------|
| ## pctWInvInc | -0.45 | -0.13 | -0.04 |
| ## pctWSocSec | -0.21 | -0.47 | -0.56 |
| ## pctWPubAsst | 0.45 | 0.07 | -0.02 |
| ## pctWRetire | -0.26 | -0.30 | -0.37 |
| ## medFamInc | -0.16 | 0.20 | 0.28 |
| ## perCapInc | -0.28 | -0.02 | 0.05 |
| ## whitePerCap | -0.22 | -0.03 | 0.03 |
| ## blackPerCap | -0.07 | 0.17 | 0.23 |
| ## indianPerCap | 0.00 | 0.07 | 0.07 |
| ## AsianPerCap | -0.12 | 0.01 | 0.04 |
| ## OtherPerCap | -0.05 | 0.09 | 0.12 |
| ## HispPerCap | -0.21 | 0.01 | 0.06 |
| ## NumUnderPov | 0.23 | -0.01 | 0.02 |
| ## PctPopUnderPov | 0.29 | -0.11 | -0.20 |
| ## PctLess9thGrade | 0.40 | 0.08 | 0.00 |
| ## PctNotHSGrad | 0.38 | 0.05 | -0.05 |
| ## PctBSorMore | -0.28 | -0.09 | 0.02 |
| ## PctUnemployed | 0.41 | 0.07 | 0.00 |
| ## PctEmploy | -0.07 | 0.27 | 0.38 |
| ## PctEmplManu | 0.09 | 0.12 | 0.12 |
| ## PctEmplProfServ | -0.22 | -0.28 | -0.18 |
| ## PctOccupManu | 0.27 | 0.07 | 0.00 |
| ## PctOccupMgmtProf | -0.30 | -0.08 | 0.01 |
| ## MalePctDivorce | -0.04 | -0.39 | -0.45 |
| ## MalePctNevMarr | 0.14 | -0.17 | -0.05 |
| ## FemalePctDiv | 0.07 | -0.28 | -0.34 |
| ## TotalPctDiv | 0.02 | -0.34 | -0.40 |
| ## PersPerFam | 0.89 | 0.92 | 0.89 |
| ## PctFam2Par | -0.12 | 0.36 | 0.40 |
| ## PctKids2Par | -0.20 | 0.27 | 0.34 |
| ## PctYoungKids2Par | -0.15 | 0.26 | 0.33 |
| ## PctTeen2Par | -0.09 | 0.34 | 0.37 |
| ## PctWorkMomYoungKids | -0.28 | -0.27 | -0.22 |
| ## PctWorkMom | -0.40 | -0.31 | -0.25 |
| ## NumIlleg | 0.22 | -0.01 | 0.03 |
| ## PctIlleg | 0.34 | -0.04 | -0.08 |
| ## NumImmig | 0.31 | 0.12 | 0.14 |
| ## PctImmigRecent | 0.06 | -0.10 | -0.09 |
| ## PctImmigRec5 | 0.10 | -0.08 | -0.09 |
| ## PctImmigRec8 | 0.14 | -0.05 | -0.06 |
| ## PctImmigRec10 | 0.21 | 0.00 | -0.03 |
| ## PctRecentImmig | 0.49 | 0.25 | 0.25 |
| ## PctRecImmig5 | 0.51 | 0.27 | 0.27 |
| ## PctRecImmig8 | 0.52 | 0.29 | 0.28 |
| ## PctRecImmig10 | 0.54 | 0.31 | 0.30 |
| ## PctSpeakEnglOnly | -0.66 | -0.43 | -0.41 |
| ## PctNotSpeakEnglWell | 0.71 | 0.43 | 0.39 |
| ## PctLargHouseFam | 0.98 | 0.68 | 0.61 |
| ## PctLargHouseOccup | 1.00 | 0.78 | 0.70 |
| ## PersPerOccupHous | 0.78 | 1.00 | 0.92 |
| ## PersPerOwnOccHous | 0.70 | 0.92 | 1.00 |
| ## PersPerRentOccHous | 0.79 | 0.80 | 0.57 |
| ## PctPersOwnOccup | -0.15 | 0.29 | 0.27 |
| ## PctPersDenseHous | 0.83 | 0.50 | 0.40 |

| | | | |
|--------------------------|--------------------|-----------------|------------------|
| ## PctHousLess3BR | 0.08 | -0.45 | -0.42 |
| ## MedNumBR | -0.07 | 0.33 | 0.33 |
| ## HousVacant | 0.07 | -0.15 | -0.13 |
| ## PctHousOccup | 0.06 | 0.27 | 0.38 |
| ## PctHousOwnOcc | -0.09 | 0.34 | 0.25 |
| ## PctVacantBoarded | 0.30 | 0.07 | 0.05 |
| ## PctVacMore6Mos | -0.03 | -0.04 | -0.08 |
| ## MedYrHousBuilt | 0.05 | 0.28 | 0.20 |
| ## PctHousNoPhone | 0.22 | -0.09 | -0.21 |
| ## PctWOFullPlumb | 0.33 | 0.09 | 0.03 |
| ## OwnOccLowQuart | 0.05 | 0.20 | 0.24 |
| ## OwnOccMedVal | 0.05 | 0.19 | 0.22 |
| ## OwnOccHiQuart | 0.03 | 0.15 | 0.18 |
| ## RentLowQ | 0.06 | 0.26 | 0.28 |
| ## RentMedian | 0.06 | 0.26 | 0.29 |
| ## RentHighQ | 0.07 | 0.27 | 0.29 |
| ## MedRent | 0.05 | 0.29 | 0.30 |
| ## MedRentPctHousInc | 0.28 | 0.07 | -0.04 |
| ## MedOwnCostPctInc | 0.31 | 0.32 | 0.29 |
| ## MedOwnCostPctIncNoMtg | -0.02 | -0.05 | 0.01 |
| ## NumInShelters | 0.12 | -0.09 | -0.05 |
| ## NumStreet | 0.13 | -0.06 | -0.04 |
| ## PctForeignBorn | 0.54 | 0.34 | 0.34 |
| ## PctBornSameState | -0.07 | -0.04 | 0.02 |
| ## PctSameHouse85 | 0.01 | 0.12 | 0.15 |
| ## PctSameCity85 | 0.18 | 0.12 | 0.14 |
| ## PctSameState85 | 0.14 | 0.13 | 0.15 |
| ## LandArea | 0.05 | 0.00 | 0.01 |
| ## PopDens | 0.30 | 0.01 | 0.09 |
| ## PctUsePubTrans | 0.13 | -0.02 | 0.09 |
| ## LemasPctOfficDrugUn | 0.13 | -0.08 | -0.04 |
| ## ViolentCrimesPerPop | 0.34 | -0.02 | -0.09 |
| ## | PersPerRentOccHous | PctPersOwnOccup | PctPersDenseHous |
| ## population | 0.05 | -0.27 | 0.27 |
| ## householdsize | 0.71 | 0.17 | 0.47 |
| ## racepctblack | 0.11 | -0.39 | 0.22 |
| ## racePctWhite | -0.45 | 0.51 | -0.67 |
| ## racePctAsian | 0.27 | -0.11 | 0.39 |
| ## racePctHisp | 0.63 | -0.37 | 0.88 |
| ## agePct12t21 | 0.25 | -0.24 | 0.20 |
| ## agePct12t29 | 0.15 | -0.57 | 0.29 |
| ## agePct16t24 | 0.02 | -0.46 | 0.15 |
| ## agePct65up | -0.41 | 0.03 | -0.26 |
| ## numbUrban | 0.05 | -0.27 | 0.27 |
| ## pctUrban | 0.00 | -0.04 | 0.13 |
| ## medIncome | -0.04 | 0.60 | -0.24 |
| ## pctWWage | 0.17 | 0.22 | 0.00 |
| ## pctWFarmSelf | 0.07 | 0.14 | -0.04 |
| ## pctWInvInc | -0.46 | 0.58 | -0.57 |
| ## pctWSocSec | -0.28 | 0.02 | -0.18 |
| ## pctWPubAsst | 0.36 | -0.54 | 0.55 |
| ## pctWRetire | -0.24 | 0.21 | -0.30 |
| ## medFamInc | -0.17 | 0.56 | -0.31 |
| ## perCapInc | -0.30 | 0.46 | -0.34 |

| | | | |
|------------------------|-------|-------|-------|
| ## whitePerCap | -0.26 | 0.37 | -0.25 |
| ## blackPerCap | -0.08 | 0.35 | -0.13 |
| ## indianPerCap | -0.01 | 0.15 | -0.02 |
| ## AsianPerCap | -0.16 | 0.31 | -0.17 |
| ## OtherPerCap | -0.04 | 0.22 | -0.10 |
| ## HispPerCap | -0.23 | 0.41 | -0.29 |
| ## NumUnderPov | 0.09 | -0.34 | 0.33 |
| ## PctPopUnderPov | 0.25 | -0.61 | 0.45 |
| ## PctLess9thGrade | 0.34 | -0.47 | 0.53 |
| ## PctNotHSGrad | 0.34 | -0.46 | 0.49 |
| ## PctBSorMore | -0.33 | 0.27 | -0.32 |
| ## PctUnemployed | 0.34 | -0.49 | 0.49 |
| ## PctEmploy | -0.02 | 0.24 | -0.15 |
| ## PctEmplManu | 0.09 | 0.01 | 0.02 |
| ## PctEmplProfServ | -0.36 | 0.01 | -0.26 |
| ## PctOccupManu | 0.27 | -0.33 | 0.29 |
| ## PctOccupMgmtProf | -0.34 | 0.37 | -0.37 |
| ## MalePctDivorce | -0.03 | -0.57 | 0.22 |
| ## MalePctNevMarr | -0.09 | -0.59 | 0.27 |
| ## FemalePctDiv | 0.08 | -0.63 | 0.36 |
| ## TotalPctDiv | 0.03 | -0.61 | 0.30 |
| ## PersPerFam | 0.76 | 0.05 | 0.64 |
| ## PctFam2Par | -0.04 | 0.75 | -0.35 |
| ## PctKids2Par | -0.13 | 0.72 | -0.42 |
| ## PctYoungKids2Par | -0.10 | 0.64 | -0.32 |
| ## PctTeen2Par | -0.01 | 0.69 | -0.32 |
| ## PctWorkMomYoungKids | -0.24 | -0.01 | -0.20 |
| ## PctWorkMom | -0.34 | 0.08 | -0.35 |
| ## NumIlleg | 0.08 | -0.35 | 0.31 |
| ## PctIlleg | 0.22 | -0.64 | 0.47 |
| ## NumImmig | 0.18 | -0.29 | 0.45 |
| ## PctImmigRecent | 0.04 | -0.36 | 0.18 |
| ## PctImmigRec5 | 0.10 | -0.42 | 0.25 |
| ## PctImmigRec8 | 0.14 | -0.45 | 0.31 |
| ## PctImmigRec10 | 0.22 | -0.49 | 0.40 |
| ## PctRecentImmig | 0.36 | -0.42 | 0.68 |
| ## PctRecImmig5 | 0.39 | -0.42 | 0.71 |
| ## PctRecImmig8 | 0.40 | -0.41 | 0.72 |
| ## PctRecImmig10 | 0.42 | -0.41 | 0.74 |
| ## PctSpeakEnglOnly | -0.52 | 0.36 | -0.81 |
| ## PctNotSpeakEnglWell | 0.56 | -0.43 | 0.88 |
| ## PctLargHouseFam | 0.74 | -0.27 | 0.86 |
| ## PctLargHouseOccup | 0.79 | -0.15 | 0.83 |
| ## PersPerOccupHous | 0.80 | 0.29 | 0.50 |
| ## PersPerOwnOccHous | 0.57 | 0.27 | 0.40 |
| ## PersPerRentOccHous | 1.00 | -0.10 | 0.71 |
| ## PctPersOwnOccup | -0.10 | 1.00 | -0.48 |
| ## PctPersDenseHous | 0.71 | -0.48 | 1.00 |
| ## PctHousLess3BR | -0.10 | -0.80 | 0.43 |
| ## MedNumBR | 0.03 | 0.64 | -0.36 |
| ## HousVacant | -0.03 | -0.28 | 0.19 |
| ## PctHousOccup | 0.00 | 0.21 | -0.07 |
| ## PctHousOwnOcc | 0.03 | 0.98 | -0.41 |
| ## PctVacantBoarded | 0.19 | -0.28 | 0.27 |

| | | | |
|--------------------------|----------------|----------|------------|
| ## PctVacMore6Mos | -0.04 | 0.15 | -0.17 |
| ## MedYrHousBuilt | 0.26 | 0.23 | 0.07 |
| ## PctHousNoPhone | 0.26 | -0.50 | 0.36 |
| ## PctWOFullPlumb | 0.29 | -0.39 | 0.45 |
| ## OwnOccLowQuart | 0.03 | 0.19 | 0.04 |
| ## OwnOccMedVal | 0.02 | 0.18 | 0.05 |
| ## OwnOccHiQuart | -0.01 | 0.18 | 0.03 |
| ## RentLowQ | 0.07 | 0.26 | 0.03 |
| ## RentMedian | 0.06 | 0.29 | 0.01 |
| ## RentHighQ | 0.07 | 0.29 | 0.02 |
| ## MedRent | 0.09 | 0.34 | -0.02 |
| ## MedRentPctHousInc | 0.26 | -0.25 | 0.38 |
| ## MedOwnCostPctInc | 0.30 | -0.04 | 0.34 |
| ## MedOwnCostPctIncNoMtg | -0.11 | 0.00 | -0.12 |
| ## NumInShelters | -0.01 | -0.31 | 0.22 |
| ## NumStreet | 0.04 | -0.27 | 0.26 |
| ## PctForeignBorn | 0.40 | -0.30 | 0.70 |
| ## PctBornSameState | -0.14 | 0.15 | -0.24 |
| ## PctSameHouse85 | -0.14 | 0.49 | -0.22 |
| ## PctSameCity85 | -0.01 | 0.22 | 0.03 |
| ## PctSameState85 | 0.01 | 0.25 | -0.01 |
| ## LandArea | 0.01 | -0.05 | 0.08 |
| ## PopDens | 0.11 | -0.51 | 0.46 |
| ## PctUsePubTrans | -0.08 | -0.23 | 0.15 |
| ## LemasPctOfficDrugUn | 0.03 | -0.33 | 0.24 |
| ## ViolentCrimesPerPop | 0.25 | -0.53 | 0.51 |
| ## | PctHousLess3BR | MedNumBR | HousVacant |
| ## population | 0.24 | -0.22 | 0.90 |
| ## householdsize | -0.37 | 0.27 | -0.17 |
| ## racepctblack | 0.27 | -0.17 | 0.28 |
| ## racePctWhite | -0.37 | 0.28 | -0.31 |
| ## racePctAsian | 0.02 | -0.06 | 0.07 |
| ## racePctHisp | 0.34 | -0.31 | 0.16 |
| ## agePct12t21 | -0.01 | -0.02 | -0.05 |
| ## agePct12t29 | 0.31 | -0.28 | 0.07 |
| ## agePct16t24 | 0.25 | -0.24 | 0.04 |
| ## agePct65up | 0.28 | -0.21 | 0.04 |
| ## numbUrban | 0.24 | -0.22 | 0.89 |
| ## pctUrban | 0.05 | -0.12 | 0.20 |
| ## medIncome | -0.62 | 0.44 | -0.19 |
| ## pctWWage | -0.43 | 0.31 | -0.15 |
| ## pctWFarmSelf | -0.17 | 0.13 | -0.12 |
| ## pctWInvInc | -0.49 | 0.35 | -0.19 |
| ## pctWSocSec | 0.26 | -0.18 | 0.01 |
| ## pctWPubAsst | 0.45 | -0.34 | 0.22 |
| ## pctWRetire | -0.06 | 0.05 | -0.03 |
| ## medFamInc | -0.56 | 0.40 | -0.19 |
| ## perCapInc | -0.42 | 0.29 | -0.09 |
| ## whitePerCap | -0.35 | 0.24 | 0.00 |
| ## blackPerCap | -0.34 | 0.25 | -0.12 |
| ## indianPerCap | -0.14 | 0.11 | -0.03 |
| ## AsianPerCap | -0.21 | 0.19 | -0.09 |
| ## OtherPerCap | -0.16 | 0.12 | -0.05 |
| ## HispPerCap | -0.33 | 0.25 | -0.11 |
| | PctHousOccup | | |
| | -0.09 | | |
| | 0.24 | | |
| | -0.23 | | |
| | 0.15 | | |
| | 0.25 | | |
| | -0.06 | | |
| | 0.04 | | |
| | 0.04 | | |
| | 0.00 | | |
| | -0.32 | | |
| | -0.08 | | |
| | 0.16 | | |
| | 0.38 | | |
| | 0.43 | | |
| | -0.05 | | |
| | 0.30 | | |
| | -0.32 | | |
| | -0.19 | | |
| | -0.12 | | |
| | 0.36 | | |
| | 0.24 | | |
| | 0.20 | | |
| | 0.28 | | |
| | 0.09 | | |
| | 0.12 | | |
| | 0.08 | | |
| | 0.20 | | |

| | | | | |
|------------------------|-------|-------|-------|-------|
| ## NumUnderPov | 0.30 | -0.27 | 0.88 | -0.15 |
| ## PctPopUnderPov | 0.51 | -0.41 | 0.25 | -0.36 |
| ## PctLess9thGrade | 0.46 | -0.35 | 0.08 | -0.17 |
| ## PctNotHSGrad | 0.49 | -0.35 | 0.11 | -0.24 |
| ## PctBSorMore | -0.34 | 0.21 | -0.05 | 0.22 |
| ## PctUnemployed | 0.44 | -0.34 | 0.24 | -0.32 |
| ## PctEmploy | -0.36 | 0.27 | -0.13 | 0.38 |
| ## PctEmplManu | -0.04 | 0.08 | -0.17 | 0.30 |
| ## PctEmplProfServ | -0.07 | 0.00 | 0.02 | 0.04 |
| ## PctOccupManu | 0.31 | -0.19 | -0.03 | -0.03 |
| ## PctOccupMgmtProf | -0.40 | 0.26 | -0.06 | 0.22 |
| ## MalePctDivorce | 0.60 | -0.46 | 0.32 | -0.34 |
| ## MalePctNevMarr | 0.44 | -0.39 | 0.22 | 0.04 |
| ## FemalePctDiv | 0.59 | -0.46 | 0.32 | -0.28 |
| ## TotalPctDiv | 0.60 | -0.46 | 0.32 | -0.31 |
| ## PersPerFam | -0.22 | 0.17 | -0.01 | 0.22 |
| ## PctFam2Par | -0.68 | 0.53 | -0.35 | 0.35 |
| ## PctKids2Par | -0.66 | 0.52 | -0.35 | 0.36 |
| ## PctYoungKids2Par | -0.57 | 0.44 | -0.31 | 0.33 |
| ## PctTeen2Par | -0.63 | 0.50 | -0.33 | 0.30 |
| ## PctWorkMomYoungKids | 0.08 | -0.04 | -0.05 | 0.02 |
| ## PctWorkMom | 0.00 | 0.02 | -0.12 | 0.05 |
| ## NumIlleg | 0.29 | -0.24 | 0.82 | -0.14 |
| ## PctIlleg | 0.51 | -0.39 | 0.36 | -0.20 |
| ## NumImmig | 0.27 | -0.21 | 0.63 | 0.01 |
| ## PctImmigRecent | 0.24 | -0.23 | 0.11 | -0.02 |
| ## PctImmigRec5 | 0.29 | -0.28 | 0.12 | -0.03 |
| ## PctImmigRec8 | 0.30 | -0.30 | 0.15 | -0.03 |
| ## PctImmigRec10 | 0.34 | -0.32 | 0.18 | -0.05 |
| ## PctRecentImmig | 0.36 | -0.31 | 0.14 | 0.10 |
| ## PctRecImmig5 | 0.37 | -0.31 | 0.14 | 0.10 |
| ## PctRecImmig8 | 0.36 | -0.31 | 0.15 | 0.11 |
| ## PctRecImmig10 | 0.36 | -0.31 | 0.16 | 0.10 |
| ## PctSpeakEnglOnly | -0.34 | 0.32 | -0.16 | -0.02 |
| ## PctNotSpeakEnglWell | 0.40 | -0.34 | 0.17 | 0.01 |
| ## PctLargHouseFam | 0.20 | -0.16 | 0.15 | 0.02 |
| ## PctLargHouseOccup | 0.08 | -0.07 | 0.07 | 0.06 |
| ## PersPerOccupHous | -0.45 | 0.33 | -0.15 | 0.27 |
| ## PersPerOwnOccHous | -0.42 | 0.33 | -0.13 | 0.38 |
| ## PersPerRentOccHous | -0.10 | 0.03 | -0.03 | 0.00 |
| ## PctPersOwnOccup | -0.80 | 0.64 | -0.28 | 0.21 |
| ## PctPersDenseHous | 0.43 | -0.36 | 0.19 | -0.07 |
| ## PctHousLess3BR | 1.00 | -0.77 | 0.31 | -0.37 |
| ## MedNumBR | -0.77 | 1.00 | -0.27 | 0.28 |
| ## HousVacant | 0.31 | -0.27 | 1.00 | -0.38 |
| ## PctHousOccup | -0.37 | 0.28 | -0.38 | 1.00 |
| ## PctHousOwnOcc | -0.79 | 0.63 | -0.28 | 0.16 |
| ## PctVacantBoarded | 0.21 | -0.22 | 0.35 | -0.19 |
| ## PctVacMore6Mos | -0.09 | 0.09 | 0.01 | -0.31 |
| ## MedYrHousBuilt | -0.21 | 0.20 | -0.04 | -0.10 |
| ## PctHousNoPhone | 0.43 | -0.34 | 0.17 | -0.42 |
| ## PctW0FullPlumb | 0.36 | -0.29 | 0.16 | -0.26 |
| ## OwnOccLowQuart | -0.21 | 0.12 | -0.09 | 0.29 |
| ## OwnOccMedVal | -0.20 | 0.12 | -0.07 | 0.27 |

| | | | | |
|--------------------------|-------|---------------|------------------|----------------|
| ## OwnOccHiQuart | -0.19 | 0.11 | -0.05 | 0.24 |
| ## RentLowQ | -0.24 | 0.13 | -0.08 | 0.26 |
| ## RentMedian | -0.27 | 0.16 | -0.08 | 0.26 |
| ## RentHighQ | -0.28 | 0.17 | -0.07 | 0.26 |
| ## MedRent | -0.32 | 0.19 | -0.09 | 0.24 |
| ## MedRentPctHousInc | 0.28 | -0.25 | 0.16 | -0.22 |
| ## MedOwnCostPctInc | 0.10 | -0.09 | 0.09 | -0.06 |
| ## MedOwnCostPctIncNoMtg | 0.05 | -0.02 | 0.02 | -0.14 |
| ## NumInShelters | 0.28 | -0.25 | 0.76 | -0.09 |
| ## NumStreet | 0.27 | -0.22 | 0.60 | -0.10 |
| ## PctForeignBorn | 0.31 | -0.27 | 0.13 | 0.12 |
| ## PctBornSameState | -0.17 | 0.16 | -0.14 | 0.17 |
| ## PctSameHouse85 | -0.33 | 0.27 | -0.13 | 0.20 |
| ## PctSameCity85 | -0.08 | 0.10 | 0.00 | 0.16 |
| ## PctSameState85 | -0.15 | 0.14 | -0.09 | 0.21 |
| ## LandArea | 0.06 | -0.06 | 0.75 | -0.17 |
| ## PopDens | 0.45 | -0.35 | 0.18 | 0.11 |
| ## PctUsePubTrans | 0.19 | -0.15 | 0.24 | 0.11 |
| ## LemasPctOfficDrugUn | 0.32 | -0.29 | 0.45 | -0.11 |
| ## ViolentCrimesPerPop | 0.50 | -0.40 | 0.40 | -0.27 |
| ## | | PctHousOwnOcc | PctVacantBoarded | PctVacMore6Mos |
| ## population | -0.28 | | 0.32 | -0.10 |
| ## householdsize | 0.21 | | 0.06 | -0.05 |
| ## racepctblack | -0.35 | | 0.46 | 0.17 |
| ## racePctWhite | 0.45 | | -0.46 | 0.00 |
| ## racePctAsian | -0.09 | | -0.12 | -0.39 |
| ## racePctHisp | -0.31 | | 0.21 | -0.15 |
| ## agePct12t21 | -0.23 | | 0.13 | 0.02 |
| ## agePct12t29 | -0.59 | | 0.10 | -0.19 |
| ## agePct16t24 | -0.48 | | 0.06 | -0.12 |
| ## agePct65up | 0.05 | | 0.01 | 0.28 |
| ## numbUrban | -0.27 | | 0.31 | -0.12 |
| ## pctUrban | -0.06 | | 0.04 | -0.30 |
| ## medIncome | 0.57 | | -0.37 | -0.22 |
| ## pctWWage | 0.18 | | -0.27 | -0.36 |
| ## pctWFarmSelf | 0.15 | | -0.08 | 0.08 |
| ## pctWInvInc | 0.51 | | -0.46 | -0.13 |
| ## pctWSocSec | 0.04 | | 0.13 | 0.37 |
| ## pctWPubAsst | -0.48 | | 0.54 | 0.18 |
| ## pctWRetire | 0.23 | | -0.03 | 0.17 |
| ## medFamInc | 0.51 | | -0.39 | -0.22 |
| ## perCapInc | 0.41 | | -0.35 | -0.20 |
| ## whitePerCap | 0.33 | | -0.26 | -0.20 |
| ## blackPerCap | 0.32 | | -0.27 | -0.20 |
| ## indianPerCap | 0.15 | | -0.11 | -0.11 |
| ## AsianPerCap | 0.29 | | -0.15 | -0.03 |
| ## OtherPerCap | 0.20 | | -0.17 | -0.11 |
| ## HispPerCap | 0.37 | | -0.24 | -0.09 |
| ## NumUnderPov | -0.34 | | 0.43 | -0.01 |
| ## PctPopUnderPov | -0.55 | | 0.51 | 0.24 |
| ## PctLess9thGrade | -0.41 | | 0.39 | 0.24 |
| ## PctNotHSGrad | -0.40 | | 0.45 | 0.28 |
| ## PctBSorMore | 0.22 | | -0.31 | -0.22 |
| ## PctUnemployed | -0.43 | | 0.56 | 0.30 |

| | | | |
|------------------------|-------|-------|-------|
| ## PctEmploy | 0.19 | -0.34 | -0.36 |
| ## PctEmplManu | 0.01 | 0.00 | 0.05 |
| ## PctEmplProfServ | -0.04 | 0.02 | 0.09 |
| ## PctOccupManu | -0.28 | 0.30 | 0.24 |
| ## PctOccupMgmtProf | 0.31 | -0.32 | -0.18 |
| ## MalePctDivorce | -0.53 | 0.36 | -0.04 |
| ## MalePctNevMarr | -0.62 | 0.22 | -0.13 |
| ## FemalePctDiv | -0.59 | 0.33 | -0.16 |
| ## TotalPctDiv | -0.57 | 0.35 | -0.10 |
| ## PersPerFam | 0.09 | 0.26 | 0.02 |
| ## PctFam2Par | 0.71 | -0.52 | -0.10 |
| ## PctKids2Par | 0.66 | -0.55 | -0.11 |
| ## PctYoungKids2Par | 0.59 | -0.54 | -0.16 |
| ## PctTeen2Par | 0.66 | -0.46 | -0.04 |
| ## PctWorkMomYoungKids | -0.04 | -0.16 | -0.11 |
| ## PctWorkMom | 0.04 | -0.25 | -0.12 |
| ## NumIlleg | -0.34 | 0.46 | 0.02 |
| ## PctIlleg | -0.60 | 0.57 | 0.08 |
| ## NumImmig | -0.28 | 0.18 | -0.15 |
| ## PctImmigRecent | -0.35 | 0.02 | -0.20 |
| ## PctImmigRec5 | -0.41 | 0.02 | -0.23 |
| ## PctImmigRec8 | -0.43 | 0.04 | -0.25 |
| ## PctImmigRec10 | -0.46 | 0.06 | -0.26 |
| ## PctRecentImmig | -0.39 | -0.01 | -0.32 |
| ## PctRecImmig5 | -0.39 | 0.00 | -0.33 |
| ## PctRecImmig8 | -0.38 | 0.00 | -0.33 |
| ## PctRecImmig10 | -0.38 | 0.01 | -0.32 |
| ## PctSpeakEnglOnly | 0.33 | -0.15 | 0.16 |
| ## PctNotSpeakEnglWell | -0.39 | 0.18 | -0.17 |
| ## PctLargHouseFam | -0.21 | 0.36 | -0.03 |
| ## PctLargHouseOccup | -0.09 | 0.30 | -0.03 |
| ## PersPerOccupHous | 0.34 | 0.07 | -0.04 |
| ## PersPerOwnOccHous | 0.25 | 0.05 | -0.08 |
| ## PersPerRentOccHous | 0.03 | 0.19 | -0.04 |
| ## PctPersOwnOccup | 0.98 | -0.28 | 0.15 |
| ## PctPersDenseHous | -0.41 | 0.27 | -0.17 |
| ## PctHousLess3BR | -0.79 | 0.21 | -0.09 |
| ## MedNumBR | 0.63 | -0.22 | 0.09 |
| ## HousVacant | -0.28 | 0.35 | 0.01 |
| ## PctHousOccup | 0.16 | -0.19 | -0.31 |
| ## PctHousOwnOcc | 1.00 | -0.25 | 0.17 |
| ## PctVacantBoarded | -0.25 | 1.00 | 0.37 |
| ## PctVacMore6Mos | 0.17 | 0.37 | 1.00 |
| ## MedYrHousBuilt | 0.27 | -0.32 | -0.33 |
| ## PctHousNoPhone | -0.43 | 0.44 | 0.28 |
| ## PctWOFullPlumb | -0.34 | 0.37 | 0.26 |
| ## OwnOccLowQuart | 0.18 | -0.30 | -0.29 |
| ## OwnOccMedVal | 0.17 | -0.29 | -0.27 |
| ## OwnOccHiQuart | 0.16 | -0.28 | -0.26 |
| ## RentLowQ | 0.25 | -0.36 | -0.40 |
| ## RentMedian | 0.28 | -0.34 | -0.34 |
| ## RentHighQ | 0.28 | -0.32 | -0.31 |
| ## MedRent | 0.34 | -0.33 | -0.30 |
| ## MedRentPctHousInc | -0.19 | 0.19 | -0.05 |

| | | | |
|--------------------------|----------------|----------------|----------------|
| ## MedOwnCostPctInc | -0.02 | -0.13 | -0.22 |
| ## MedOwnCostPctIncNoMtg | -0.02 | 0.19 | 0.38 |
| ## NumInShelters | -0.32 | 0.32 | -0.05 |
| ## NumStreet | -0.26 | 0.22 | -0.09 |
| ## PctForeignBorn | -0.28 | -0.02 | -0.30 |
| ## PctBornSameState | 0.12 | 0.19 | 0.40 |
| ## PctSameHouse85 | 0.46 | 0.14 | 0.44 |
| ## PctSameCity85 | 0.21 | 0.28 | 0.35 |
| ## PctSameState85 | 0.24 | 0.21 | 0.34 |
| ## LandArea | -0.05 | 0.22 | 0.02 |
| ## PopDens | -0.52 | 0.16 | -0.19 |
| ## PctUsePubTrans | -0.26 | 0.19 | 0.00 |
| ## LemasPctOfficDrugUn | -0.33 | 0.25 | -0.07 |
| ## ViolentCrimesPerPop | -0.48 | 0.51 | 0.02 |
| ## | MedYrHousBuilt | PctHousNoPhone | PctWOFullPlumb |
| ## population | -0.06 | 0.09 | 0.16 |
| ## householdsize | 0.24 | -0.06 | 0.10 |
| ## racepctblack | -0.14 | 0.48 | 0.31 |
| ## racePctWhite | 0.08 | -0.45 | -0.41 |
| ## racePctAsian | 0.05 | -0.29 | -0.07 |
| ## racePctHisp | 0.05 | 0.27 | 0.39 |
| ## agePct12t21 | 0.05 | 0.24 | 0.16 |
| ## agePct12t29 | 0.03 | 0.19 | 0.14 |
| ## agePct16t24 | -0.04 | 0.18 | 0.12 |
| ## agePct65up | -0.39 | 0.19 | 0.06 |
| ## numbUrban | -0.07 | 0.05 | 0.14 |
| ## pctUrban | -0.04 | -0.35 | -0.16 |
| ## medIncome | 0.19 | -0.73 | -0.44 |
| ## pctWWage | 0.42 | -0.51 | -0.32 |
| ## pctWFarmSelf | 0.27 | 0.11 | 0.00 |
| ## pctWInvInc | 0.03 | -0.75 | -0.52 |
| ## pctWSocSec | -0.44 | 0.32 | 0.16 |
| ## pctWPubAsst | -0.32 | 0.68 | 0.57 |
| ## pctWRetire | -0.24 | -0.11 | -0.13 |
| ## medFamInc | 0.12 | -0.73 | -0.46 |
| ## perCapInc | 0.05 | -0.65 | -0.42 |
| ## whitePerCap | 0.02 | -0.57 | -0.36 |
| ## blackPerCap | 0.09 | -0.50 | -0.26 |
| ## indianPerCap | 0.04 | -0.23 | -0.12 |
| ## AsianPerCap | 0.00 | -0.28 | -0.20 |
| ## OtherPerCap | 0.09 | -0.29 | -0.20 |
| ## HispPerCap | 0.05 | -0.48 | -0.29 |
| ## NumUnderPov | -0.11 | 0.23 | 0.28 |
| ## PctPopUnderPov | -0.21 | 0.83 | 0.57 |
| ## PctLess9thGrade | -0.25 | 0.73 | 0.58 |
| ## PctNotHSGrad | -0.29 | 0.77 | 0.59 |
| ## PctBSorMore | 0.10 | -0.56 | -0.37 |
| ## PctUnemployed | -0.32 | 0.67 | 0.56 |
| ## PctEmploy | 0.35 | -0.56 | -0.38 |
| ## PctEmplManu | -0.19 | 0.17 | 0.09 |
| ## PctEmplProfServ | -0.22 | -0.14 | -0.08 |
| ## PctOccupManu | -0.26 | 0.62 | 0.42 |
| ## PctOccupMgmtProf | 0.09 | -0.59 | -0.39 |
| ## MalePctDivorce | -0.10 | 0.52 | 0.28 |

| | | | |
|--------------------------|-------|-------|-------|
| ## MalePctNevMarr | -0.33 | 0.07 | 0.18 |
| ## FemalePctDiv | -0.04 | 0.50 | 0.28 |
| ## TotalPctDiv | -0.08 | 0.53 | 0.29 |
| ## PersPerFam | 0.11 | 0.08 | 0.24 |
| ## PctFam2Par | 0.34 | -0.68 | -0.45 |
| ## PctKids2Par | 0.31 | -0.71 | -0.49 |
| ## PctYoungKids2Par | 0.32 | -0.72 | -0.45 |
| ## PctTeen2Par | 0.27 | -0.57 | -0.40 |
| ## PctWorkMomYoungKids | 0.14 | -0.02 | -0.12 |
| ## PctWorkMom | 0.16 | -0.15 | -0.23 |
| ## NumIlleg | -0.16 | 0.23 | 0.28 |
| ## PctIlleg | -0.27 | 0.56 | 0.44 |
| ## NumImmig | -0.06 | 0.05 | 0.23 |
| ## PctImmigRecent | 0.01 | 0.14 | 0.08 |
| ## PctImmigRec5 | 0.03 | 0.18 | 0.12 |
| ## PctImmigRec8 | 0.06 | 0.18 | 0.13 |
| ## PctImmigRec10 | 0.10 | 0.24 | 0.18 |
| ## PctRecentImmig | -0.09 | -0.05 | 0.19 |
| ## PctRecImmig5 | -0.08 | -0.04 | 0.20 |
| ## PctRecImmig8 | -0.07 | -0.05 | 0.20 |
| ## PctRecImmig10 | -0.06 | -0.03 | 0.21 |
| ## PctSpeakEnglOnly | 0.10 | -0.11 | -0.35 |
| ## PctNotSpeakEnglWell | -0.08 | 0.21 | 0.42 |
| ## PctLargHouseFam | -0.02 | 0.28 | 0.38 |
| ## PctLargHouseOccup | 0.05 | 0.22 | 0.33 |
| ## PersPerOccupHous | 0.28 | -0.09 | 0.09 |
| ## PersPerOwnOccHous | 0.20 | -0.21 | 0.03 |
| ## PersPerRentOccHous | 0.26 | 0.26 | 0.29 |
| ## PctPersOwnOccup | 0.23 | -0.50 | -0.39 |
| ## PctPersDenseHous | 0.07 | 0.36 | 0.45 |
| ## PctHousLess3BR | -0.21 | 0.43 | 0.36 |
| ## MedNumBR | 0.20 | -0.34 | -0.29 |
| ## HousVacant | -0.04 | 0.17 | 0.16 |
| ## PctHousOccup | -0.10 | -0.42 | -0.26 |
| ## PctHousOwnOcc | 0.27 | -0.43 | -0.34 |
| ## PctVacantBoarded | -0.32 | 0.44 | 0.37 |
| ## PctVacMore6Mos | -0.33 | 0.28 | 0.26 |
| ## MedYrHousBuilt | 1.00 | -0.15 | -0.22 |
| ## PctHousNoPhone | -0.15 | 1.00 | 0.57 |
| ## PctWOFullPlumb | -0.22 | 0.57 | 1.00 |
| ## OwnOccLowQuart | 0.01 | -0.59 | -0.27 |
| ## OwnOccMedVal | 0.00 | -0.57 | -0.25 |
| ## OwnOccHiQuart | 0.00 | -0.55 | -0.24 |
| ## RentLowQ | 0.18 | -0.68 | -0.35 |
| ## RentMedian | 0.12 | -0.67 | -0.33 |
| ## RentHighQ | 0.11 | -0.66 | -0.31 |
| ## MedRent | 0.15 | -0.67 | -0.33 |
| ## MedRentPctHousInc | -0.04 | 0.16 | 0.18 |
| ## MedOwnCostPctInc | 0.22 | -0.29 | -0.03 |
| ## MedOwnCostPctIncNoMtg | -0.34 | 0.09 | 0.16 |
| ## NumInShelters | -0.14 | 0.13 | 0.22 |
| ## NumStreet | -0.03 | 0.10 | 0.20 |
| ## PctForeignBorn | -0.08 | -0.11 | 0.18 |
| ## PctBornSameState | -0.33 | 0.21 | 0.13 |

| | | | | |
|------------------------|----------------|--------------|---------------|----------|
| ## PctSameHouse85 | -0.48 | -0.10 | 0.04 | |
| ## PctSameCity85 | -0.46 | 0.11 | 0.15 | |
| ## PctSameState85 | -0.33 | 0.09 | 0.12 | |
| ## LandArea | 0.10 | 0.06 | 0.07 | |
| ## PopDens | -0.39 | 0.00 | 0.21 | |
| ## PctUsePubTrans | -0.42 | -0.13 | 0.12 | |
| ## LemasPctOfficDrugUn | -0.13 | 0.13 | 0.17 | |
| ## ViolentCrimesPerPop | -0.18 | 0.48 | 0.39 | |
| ## | OwnOccLowQuart | OwnOccMedVal | OwnOccHiQuart | RentLowQ |
| ## population | 0.00 | 0.01 | 0.02 | -0.01 |
| ## householdsize | 0.19 | 0.19 | 0.16 | 0.20 |
| ## racepctblack | -0.26 | -0.24 | -0.21 | -0.30 |
| ## racePctWhite | 0.04 | 0.02 | 0.01 | 0.09 |
| ## racePctAsian | 0.59 | 0.59 | 0.57 | 0.55 |
| ## racePctHisp | 0.10 | 0.11 | 0.09 | 0.10 |
| ## agePct12t21 | -0.19 | -0.18 | -0.17 | -0.24 |
| ## agePct12t29 | -0.12 | -0.12 | -0.13 | -0.11 |
| ## agePct16t24 | -0.11 | -0.10 | -0.09 | -0.15 |
| ## agePct65up | -0.20 | -0.18 | -0.16 | -0.30 |
| ## numbUrban | 0.03 | 0.04 | 0.05 | 0.02 |
| ## pctUrban | 0.30 | 0.29 | 0.28 | 0.38 |
| ## medIncome | 0.80 | 0.80 | 0.79 | 0.82 |
| ## pctWWage | 0.41 | 0.38 | 0.35 | 0.55 |
| ## pctWFarmSelf | -0.09 | -0.08 | -0.06 | -0.16 |
| ## pctWInvInc | 0.57 | 0.57 | 0.58 | 0.57 |
| ## pctWSocSec | -0.33 | -0.32 | -0.29 | -0.44 |
| ## pctWPubAsst | -0.39 | -0.38 | -0.38 | -0.51 |
| ## pctWRetire | -0.08 | -0.09 | -0.09 | -0.10 |
| ## medFamInc | 0.81 | 0.82 | 0.81 | 0.80 |
| ## perCapInc | 0.79 | 0.81 | 0.82 | 0.74 |
| ## whitePerCap | 0.78 | 0.80 | 0.83 | 0.71 |
| ## blackPerCap | 0.62 | 0.61 | 0.59 | 0.63 |
| ## indianPerCap | 0.28 | 0.28 | 0.27 | 0.27 |
| ## AsianPerCap | 0.38 | 0.39 | 0.40 | 0.34 |
| ## OtherPerCap | 0.37 | 0.36 | 0.35 | 0.41 |
| ## HispPerCap | 0.52 | 0.52 | 0.51 | 0.53 |
| ## NumUnderPov | -0.12 | -0.10 | -0.09 | -0.14 |
| ## PctPopUnderPov | -0.55 | -0.53 | -0.50 | -0.66 |
| ## PctLess9thGrade | -0.40 | -0.39 | -0.39 | -0.52 |
| ## PctNotHSGrad | -0.50 | -0.49 | -0.50 | -0.59 |
| ## PctBSorMore | 0.62 | 0.64 | 0.67 | 0.57 |
| ## PctUnemployed | -0.43 | -0.43 | -0.43 | -0.53 |
| ## PctEmploy | 0.43 | 0.40 | 0.37 | 0.57 |
| ## PctEmplManu | -0.11 | -0.12 | -0.15 | -0.17 |
| ## PctEmplProfServ | 0.10 | 0.13 | 0.17 | -0.01 |
| ## PctOccupManu | -0.54 | -0.54 | -0.55 | -0.59 |
| ## PctOccupMgmtProf | 0.64 | 0.66 | 0.68 | 0.58 |
| ## MalePctDivorce | -0.40 | -0.39 | -0.38 | -0.36 |
| ## MalePctNevMarr | 0.16 | 0.17 | 0.17 | 0.08 |
| ## FemalePctDiv | -0.33 | -0.32 | -0.31 | -0.30 |
| ## TotalPctDiv | -0.37 | -0.37 | -0.36 | -0.34 |
| ## PersPerFam | 0.09 | 0.08 | 0.05 | 0.11 |
| ## PctFam2Par | 0.44 | 0.42 | 0.40 | 0.50 |
| ## PctKids2Par | 0.43 | 0.41 | 0.39 | 0.49 |

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|--------------------------|-------|-------|-------|-------|
| ## PctYoungKids2Par | 0.48 | 0.46 | 0.45 | 0.56 |
| ## PctTeen2Par | 0.34 | 0.32 | 0.30 | 0.39 |
| ## PctWorkMomYoungKids | -0.21 | -0.22 | -0.22 | -0.14 |
| ## PctWorkMom | -0.14 | -0.16 | -0.17 | -0.04 |
| ## NumIlleg | -0.08 | -0.06 | -0.05 | -0.11 |
| ## PctIlleg | -0.24 | -0.23 | -0.21 | -0.29 |
| ## NumImmig | 0.16 | 0.17 | 0.18 | 0.12 |
| ## PctImmigRecent | 0.02 | 0.03 | 0.04 | -0.01 |
| ## PctImmigRec5 | 0.03 | 0.04 | 0.05 | 0.01 |
| ## PctImmigRec8 | 0.05 | 0.07 | 0.08 | 0.05 |
| ## PctImmigRec10 | 0.03 | 0.05 | 0.06 | 0.04 |
| ## PctRecentImmig | 0.47 | 0.47 | 0.47 | 0.42 |
| ## PctRecImmig5 | 0.47 | 0.47 | 0.46 | 0.42 |
| ## PctRecImmig8 | 0.48 | 0.49 | 0.48 | 0.43 |
| ## PctRecImmig10 | 0.46 | 0.47 | 0.46 | 0.42 |
| ## PctSpeakEnglOnly | -0.32 | -0.32 | -0.30 | -0.26 |
| ## PctNotSpeakEnglWell | 0.21 | 0.22 | 0.20 | 0.16 |
| ## PctLargHouseFam | 0.03 | 0.03 | 0.01 | 0.02 |
| ## PctLargHouseOccup | 0.05 | 0.05 | 0.03 | 0.06 |
| ## PersPerOccupHous | 0.20 | 0.19 | 0.15 | 0.26 |
| ## PersPerOwnOccHous | 0.24 | 0.22 | 0.18 | 0.28 |
| ## PersPerRentOccHous | 0.03 | 0.02 | -0.01 | 0.07 |
| ## PctPersOwnOccup | 0.19 | 0.18 | 0.18 | 0.26 |
| ## PctPersDenseHous | 0.04 | 0.05 | 0.03 | 0.03 |
| ## PctHousLess3BR | -0.21 | -0.20 | -0.19 | -0.24 |
| ## MedNumBR | 0.12 | 0.12 | 0.11 | 0.13 |
| ## HousVacant | -0.09 | -0.07 | -0.05 | -0.08 |
| ## PctHousOccup | 0.29 | 0.27 | 0.24 | 0.26 |
| ## PctHousOwnOcc | 0.18 | 0.17 | 0.16 | 0.25 |
| ## PctVacantBoarded | -0.30 | -0.29 | -0.28 | -0.36 |
| ## PctVacMore6Mos | -0.29 | -0.27 | -0.26 | -0.40 |
| ## MedYrHousBuilt | 0.01 | 0.00 | 0.00 | 0.18 |
| ## PctHousNoPhone | -0.59 | -0.57 | -0.55 | -0.68 |
| ## PctWOFullPlumb | -0.27 | -0.25 | -0.24 | -0.35 |
| ## OwnOccLowQuart | 1.00 | 0.99 | 0.97 | 0.86 |
| ## OwnOccMedVal | 0.99 | 1.00 | 0.99 | 0.84 |
| ## OwnOccHiQuart | 0.97 | 0.99 | 1.00 | 0.82 |
| ## RentLowQ | 0.86 | 0.84 | 0.82 | 1.00 |
| ## RentMedian | 0.91 | 0.90 | 0.88 | 0.97 |
| ## RentHighQ | 0.92 | 0.91 | 0.90 | 0.94 |
| ## MedRent | 0.89 | 0.88 | 0.85 | 0.96 |
| ## MedRentPctHousInc | 0.13 | 0.14 | 0.14 | 0.13 |
| ## MedOwnCostPctInc | 0.60 | 0.59 | 0.57 | 0.62 |
| ## MedOwnCostPctIncNoMtg | -0.02 | -0.02 | -0.02 | -0.04 |
| ## NumInShelters | 0.00 | 0.01 | 0.03 | -0.05 |
| ## NumStreet | 0.05 | 0.07 | 0.09 | 0.02 |
| ## PctForeignBorn | 0.55 | 0.55 | 0.53 | 0.49 |
| ## PctBornSameState | -0.39 | -0.40 | -0.41 | -0.47 |
| ## PctSameHouse85 | 0.06 | 0.05 | 0.04 | -0.05 |
| ## PctSameCity85 | -0.09 | -0.11 | -0.12 | -0.19 |
| ## PctSameState85 | -0.14 | -0.16 | -0.18 | -0.21 |
| ## LandArea | -0.07 | -0.06 | -0.04 | -0.06 |
| ## PopDens | 0.27 | 0.27 | 0.26 | 0.24 |
| ## PctUsePubTrans | 0.35 | 0.36 | 0.37 | 0.27 |

| | | | | |
|------------------------|------------|-----------|---------|-------------------|
| ## LemasPctOfficDrugUn | -0.02 | 0.00 | 0.00 | -0.03 |
| ## ViolentCrimesPerPop | -0.19 | -0.17 | -0.16 | -0.24 |
| ## | RentMedian | RentHighQ | MedRent | MedRentPctHousInc |
| ## population | -0.01 | 0.00 | -0.03 | 0.15 |
| ## householdsSize | 0.22 | 0.24 | 0.23 | 0.16 |
| ## racePctBlack | -0.28 | -0.26 | -0.26 | 0.20 |
| ## racePctWhite | 0.08 | 0.07 | 0.09 | -0.35 |
| ## racePctAsian | 0.54 | 0.54 | 0.51 | 0.21 |
| ## racePctHisp | 0.09 | 0.09 | 0.06 | 0.32 |
| ## agePct12t21 | -0.24 | -0.22 | -0.25 | 0.18 |
| ## agePct12t29 | -0.14 | -0.14 | -0.18 | 0.16 |
| ## agePct16t24 | -0.16 | -0.14 | -0.19 | 0.23 |
| ## agePct65up | -0.26 | -0.26 | -0.26 | 0.09 |
| ## numbUrban | 0.02 | 0.03 | 0.00 | 0.14 |
| ## pctUrban | 0.36 | 0.34 | 0.34 | 0.06 |
| ## medIncome | 0.86 | 0.87 | 0.87 | -0.15 |
| ## pctWWage | 0.51 | 0.50 | 0.52 | -0.26 |
| ## pctWFarmSelf | -0.14 | -0.12 | -0.14 | -0.12 |
| ## pctWInvInc | 0.60 | 0.61 | 0.60 | -0.21 |
| ## pctWSocSec | -0.40 | -0.40 | -0.40 | 0.13 |
| ## pctWPubAsst | -0.49 | -0.47 | -0.50 | 0.37 |
| ## pctWRetire | -0.09 | -0.09 | -0.08 | 0.05 |
| ## medFamInc | 0.85 | 0.85 | 0.85 | -0.14 |
| ## perCapInc | 0.79 | 0.79 | 0.78 | -0.14 |
| ## whitePerCap | 0.77 | 0.77 | 0.76 | -0.09 |
| ## blackPerCap | 0.65 | 0.65 | 0.65 | -0.08 |
| ## indianPerCap | 0.28 | 0.29 | 0.28 | 0.02 |
| ## AsianPerCap | 0.38 | 0.37 | 0.38 | -0.09 |
| ## OtherPerCap | 0.41 | 0.39 | 0.42 | -0.01 |
| ## HispPerCap | 0.55 | 0.53 | 0.55 | -0.14 |
| ## NumUnderPov | -0.14 | -0.12 | -0.16 | 0.19 |
| ## PctPopUnderPov | -0.65 | -0.63 | -0.66 | 0.38 |
| ## PctLess9thGrade | -0.50 | -0.49 | -0.51 | 0.18 |
| ## PctNotHSGrad | -0.57 | -0.57 | -0.57 | 0.20 |
| ## PctBSorMore | 0.61 | 0.63 | 0.60 | -0.07 |
| ## PctUnemployed | -0.50 | -0.48 | -0.50 | 0.38 |
| ## PctEmploy | 0.53 | 0.51 | 0.53 | -0.36 |
| ## PctEmplManu | -0.16 | -0.17 | -0.15 | -0.26 |
| ## PctEmplProfServ | 0.04 | 0.07 | 0.02 | 0.10 |
| ## PctOccupManu | -0.60 | -0.60 | -0.59 | -0.01 |
| ## PctOccupMgmtProf | 0.62 | 0.64 | 0.61 | -0.12 |
| ## MalePctDivorce | -0.41 | -0.43 | -0.43 | 0.09 |
| ## MalePctNevMarr | 0.10 | 0.11 | 0.05 | 0.34 |
| ## FemalePctDiv | -0.35 | -0.37 | -0.38 | 0.15 |
| ## TotalPctDiv | -0.39 | -0.41 | -0.42 | 0.12 |
| ## PersPerFam | 0.12 | 0.13 | 0.13 | 0.12 |
| ## PctFam2Par | 0.50 | 0.50 | 0.52 | -0.32 |
| ## PctKids2Par | 0.49 | 0.48 | 0.50 | -0.34 |
| ## PctYoungKids2Par | 0.55 | 0.54 | 0.56 | -0.30 |
| ## PctTeen2Par | 0.39 | 0.38 | 0.41 | -0.31 |
| ## PctWorkMomYoungKids | -0.18 | -0.18 | -0.17 | -0.28 |
| ## PctWorkMom | -0.08 | -0.09 | -0.07 | -0.29 |
| ## NumIlleg | -0.09 | -0.08 | -0.10 | 0.18 |
| ## PctIlleg | -0.28 | -0.26 | -0.28 | 0.35 |

| | | | | |
|--------------------------|------------------|-----------------------|---------------|-------|
| ## NumImmig | 0.12 | 0.14 | 0.09 | 0.18 |
| ## PctImmigRecent | -0.02 | -0.01 | -0.04 | 0.18 |
| ## PctImmigRec5 | 0.00 | 0.00 | -0.03 | 0.19 |
| ## PctImmigRec8 | 0.03 | 0.03 | 0.01 | 0.18 |
| ## PctImmigRec10 | 0.01 | 0.02 | -0.01 | 0.19 |
| ## PctRecentImmig | 0.41 | 0.42 | 0.37 | 0.33 |
| ## PctRecImmig5 | 0.41 | 0.42 | 0.38 | 0.33 |
| ## PctRecImmig8 | 0.43 | 0.43 | 0.39 | 0.32 |
| ## PctRecImmig10 | 0.42 | 0.42 | 0.38 | 0.32 |
| ## PctSpeakEnglOnly | -0.27 | -0.28 | -0.24 | -0.32 |
| ## PctNotSpeakEnglWell | 0.16 | 0.17 | 0.13 | 0.32 |
| ## PctLargHouseFam | 0.02 | 0.03 | 0.01 | 0.32 |
| ## PctLargHouseOccup | 0.06 | 0.07 | 0.05 | 0.28 |
| ## PersPerOccupHous | 0.26 | 0.27 | 0.29 | 0.07 |
| ## PersPerOwnOccHous | 0.29 | 0.29 | 0.30 | -0.04 |
| ## PersPerRentOccHous | 0.06 | 0.07 | 0.09 | 0.26 |
| ## PctPersOwnOccup | 0.29 | 0.29 | 0.34 | -0.25 |
| ## PctPersDenseHous | 0.01 | 0.02 | -0.02 | 0.38 |
| ## PctHousLess3BR | -0.27 | -0.28 | -0.32 | 0.28 |
| ## MedNumBR | 0.16 | 0.17 | 0.19 | -0.25 |
| ## HousVacant | -0.08 | -0.07 | -0.09 | 0.16 |
| ## PctHousOccup | 0.26 | 0.26 | 0.24 | -0.22 |
| ## PctHousOwnOcc | 0.28 | 0.28 | 0.34 | -0.19 |
| ## PctVacantBoarded | -0.34 | -0.32 | -0.33 | 0.19 |
| ## PctVacMore6Mos | -0.34 | -0.31 | -0.30 | -0.05 |
| ## MedYrHousBuilt | 0.12 | 0.11 | 0.15 | -0.04 |
| ## PctHousNoPhone | -0.67 | -0.66 | -0.67 | 0.16 |
| ## PctWOFullPlumb | -0.33 | -0.31 | -0.33 | 0.18 |
| ## OwnOccLowQuart | 0.91 | 0.92 | 0.89 | 0.13 |
| ## OwnOccMedVal | 0.90 | 0.91 | 0.88 | 0.14 |
| ## OwnOccHiQuart | 0.88 | 0.90 | 0.85 | 0.14 |
| ## RentLowQ | 0.97 | 0.94 | 0.96 | 0.13 |
| ## RentMedian | 1.00 | 0.98 | 0.99 | 0.15 |
| ## RentHighQ | 0.98 | 1.00 | 0.98 | 0.17 |
| ## MedRent | 0.99 | 0.98 | 1.00 | 0.14 |
| ## MedRentPctHousInc | 0.15 | 0.17 | 0.14 | 1.00 |
| ## MedOwnCostPctInc | 0.64 | 0.66 | 0.64 | 0.44 |
| ## MedOwnCostPctIncNoMtg | 0.02 | 0.04 | 0.05 | 0.14 |
| ## NumInShelters | -0.03 | -0.01 | -0.05 | 0.13 |
| ## NumStreet | 0.02 | 0.03 | 0.00 | 0.14 |
| ## PctForeignBorn | 0.50 | 0.51 | 0.46 | 0.32 |
| ## PctBornSameState | -0.44 | -0.45 | -0.42 | -0.23 |
| ## PctSameHouse85 | 0.02 | 0.03 | 0.05 | -0.20 |
| ## PctSameCity85 | -0.15 | -0.16 | -0.14 | -0.14 |
| ## PctSameState85 | -0.18 | -0.19 | -0.17 | -0.08 |
| ## LandArea | -0.05 | -0.03 | -0.05 | 0.03 |
| ## PopDens | 0.22 | 0.22 | 0.18 | 0.23 |
| ## PctUsePubTrans | 0.32 | 0.34 | 0.29 | 0.14 |
| ## LemasPctOfficDrugUn | -0.03 | -0.02 | -0.04 | 0.16 |
| ## ViolentCrimesPerPop | -0.22 | -0.21 | -0.23 | 0.33 |
| ## | MedOwnCostPctInc | MedOwnCostPctIncNoMtg | NumInShelters | |
| ## population | 0.11 | -0.05 | 0.83 | |
| ## householdsize | 0.29 | -0.06 | -0.09 | |
| ## racepctblack | -0.05 | 0.23 | 0.24 | |

| | | | |
|------------------------|-------|-------|-------|
| ## racePctWhite | -0.18 | -0.06 | -0.32 |
| ## racePctAsian | 0.38 | -0.25 | 0.18 |
| ## racePctHisp | 0.36 | -0.08 | 0.17 |
| ## agePct12t21 | -0.12 | -0.10 | -0.01 |
| ## agePct12t29 | 0.02 | -0.09 | 0.11 |
| ## agePct16t24 | -0.05 | -0.07 | 0.07 |
| ## agePct65up | -0.22 | 0.19 | -0.03 |
| ## numbUrban | 0.12 | -0.05 | 0.82 |
| ## pctUrban | 0.22 | -0.02 | 0.17 |
| ## medIncome | 0.39 | -0.02 | -0.14 |
| ## pctWWage | 0.27 | -0.15 | -0.09 |
| ## pctWFarmSelf | -0.13 | -0.16 | -0.11 |
| ## pctWInvInc | 0.09 | -0.06 | -0.14 |
| ## pctWSocSec | -0.29 | 0.24 | -0.05 |
| ## pctWPubAsst | -0.08 | 0.09 | 0.26 |
| ## pctWRetire | -0.17 | 0.02 | -0.08 |
| ## medFamInc | 0.34 | -0.01 | -0.13 |
| ## perCapInc | 0.29 | -0.01 | -0.06 |
| ## whitePerCap | 0.31 | 0.01 | 0.02 |
| ## blackPerCap | 0.33 | 0.01 | -0.09 |
| ## indianPerCap | 0.17 | 0.02 | -0.03 |
| ## AsianPerCap | 0.09 | 0.00 | -0.08 |
| ## OtherPerCap | 0.21 | 0.01 | -0.05 |
| ## HispPerCap | 0.18 | 0.01 | -0.10 |
| ## NumUnderPov | 0.04 | 0.00 | 0.82 |
| ## PctPopUnderPov | -0.23 | 0.06 | 0.23 |
| ## PctLess9thGrade | -0.10 | 0.18 | 0.11 |
| ## PctNotHSGrad | -0.15 | 0.21 | 0.12 |
| ## PctBSorMore | 0.18 | -0.08 | 0.00 |
| ## PctUnemployed | -0.08 | 0.19 | 0.21 |
| ## PctEmploy | 0.27 | -0.11 | -0.08 |
| ## PctEmplManu | -0.20 | 0.01 | -0.10 |
| ## PctEmplProfServ | -0.12 | 0.08 | 0.07 |
| ## PctOccupManu | -0.27 | 0.10 | 0.01 |
| ## PctOccupMgmtProf | 0.17 | -0.08 | -0.03 |
| ## MalePctDivorce | -0.16 | -0.08 | 0.25 |
| ## MalePctNevMarr | 0.17 | 0.12 | 0.30 |
| ## FemalePctDiv | -0.07 | -0.14 | 0.26 |
| ## TotalPctDiv | -0.12 | -0.11 | 0.26 |
| ## PersPerFam | 0.27 | 0.04 | 0.06 |
| ## PctFam2Par | 0.14 | -0.13 | -0.33 |
| ## PctKids2Par | 0.10 | -0.13 | -0.34 |
| ## PctYoungKids2Par | 0.18 | -0.12 | -0.29 |
| ## PctTeen2Par | 0.05 | -0.13 | -0.32 |
| ## PctWorkMomYoungKids | -0.16 | -0.11 | -0.08 |
| ## PctWorkMom | -0.11 | -0.04 | -0.13 |
| ## NumIlleg | 0.07 | 0.07 | 0.81 |
| ## PctIlleg | 0.06 | 0.22 | 0.37 |
| ## NumImmig | 0.24 | -0.06 | 0.73 |
| ## PctImmigRecent | 0.01 | -0.08 | 0.12 |
| ## PctImmigRec5 | 0.05 | -0.07 | 0.14 |
| ## PctImmigRec8 | 0.08 | -0.10 | 0.16 |
| ## PctImmigRec10 | 0.11 | -0.11 | 0.19 |
| ## PctRecentImmig | 0.46 | -0.06 | 0.23 |

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|--------------------------|-----------|----------------|------------------|
| ## PctRecImmig5 | 0.48 | -0.04 | 0.23 |
| ## PctRecImmig8 | 0.49 | -0.05 | 0.23 |
| ## PctRecImmig10 | 0.49 | -0.05 | 0.24 |
| ## PctSpeakEnglOnly | -0.46 | -0.02 | -0.21 |
| ## PctNotSpeakEnglWell | 0.41 | 0.00 | 0.24 |
| ## PctLargHouseFam | 0.31 | 0.01 | 0.20 |
| ## PctLargHouseOccup | 0.31 | -0.02 | 0.12 |
| ## PersPerOccupHous | 0.32 | -0.05 | -0.09 |
| ## PersPerOwnOccHous | 0.29 | 0.01 | -0.05 |
| ## PersPerRentOccHous | 0.30 | -0.11 | -0.01 |
| ## PctPersOwnOccup | -0.04 | 0.00 | -0.31 |
| ## PctPersDenseHous | 0.34 | -0.12 | 0.22 |
| ## PctHousLess3BR | 0.10 | 0.05 | 0.28 |
| ## MedNumBR | -0.09 | -0.02 | -0.25 |
| ## HousVacant | 0.09 | 0.02 | 0.76 |
| ## PctHousOccup | -0.06 | -0.14 | -0.09 |
| ## PctHousOwnOcc | -0.02 | -0.02 | -0.32 |
| ## PctVacantBoarded | -0.13 | 0.19 | 0.32 |
| ## PctVacMore6Mos | -0.22 | 0.38 | -0.05 |
| ## MedYrHousBuilt | 0.22 | -0.34 | -0.14 |
| ## PctHousNoPhone | -0.29 | 0.09 | 0.13 |
| ## PctWOFullPlumb | -0.03 | 0.16 | 0.22 |
| ## OwnOccLowQuart | 0.60 | -0.02 | 0.00 |
| ## OwnOccMedVal | 0.59 | -0.02 | 0.01 |
| ## OwnOccHiQuart | 0.57 | -0.02 | 0.03 |
| ## RentLowQ | 0.62 | -0.04 | -0.05 |
| ## RentMedian | 0.64 | 0.02 | -0.03 |
| ## RentHighQ | 0.66 | 0.04 | -0.01 |
| ## MedRent | 0.64 | 0.05 | -0.05 |
| ## MedRentPctHousInc | 0.44 | 0.14 | 0.13 |
| ## MedOwnCostPctInc | 1.00 | 0.19 | 0.08 |
| ## MedOwnCostPctIncNoMtg | 0.19 | 1.00 | 0.01 |
| ## NumInShelters | 0.08 | 0.01 | 1.00 |
| ## NumStreet | 0.16 | -0.06 | 0.72 |
| ## PctForeignBorn | 0.56 | -0.01 | 0.20 |
| ## PctBornSameState | -0.45 | 0.19 | -0.10 |
| ## PctSameHouse85 | -0.22 | 0.34 | -0.09 |
| ## PctSameCity85 | -0.22 | 0.20 | 0.02 |
| ## PctSameState85 | -0.22 | 0.18 | -0.05 |
| ## LandArea | 0.04 | -0.02 | 0.60 |
| ## PopDens | 0.30 | 0.12 | 0.26 |
| ## PctUsePubTrans | 0.26 | 0.33 | 0.34 |
| ## LemasPctOfficDrugUn | 0.14 | 0.09 | 0.36 |
| ## ViolentCrimesPerPop | 0.06 | 0.05 | 0.40 |
| ## | NumStreet | PctForeignBorn | PctBornSameState |
| ## population | 0.63 | 0.24 | -0.11 |
| ## householdsize | -0.06 | 0.31 | -0.07 |
| ## racepctblack | 0.18 | -0.01 | 0.04 |
| ## racePctWhite | -0.27 | -0.43 | 0.14 |
| ## racePctAsian | 0.20 | 0.67 | -0.40 |
| ## racePctHisp | 0.19 | 0.69 | -0.24 |
| ## agePct12t21 | -0.04 | -0.05 | 0.05 |
| ## agePct12t29 | 0.06 | 0.10 | -0.06 |
| ## agePct16t24 | 0.03 | 0.03 | -0.04 |

| | | | |
|------------------------|-------|-------|-------|
| ## agePct65up | -0.03 | -0.16 | 0.15 |
| ## numbUrban | 0.63 | 0.26 | -0.12 |
| ## pctUrban | 0.13 | 0.34 | -0.24 |
| ## medIncome | -0.09 | 0.23 | -0.28 |
| ## pctWWage | -0.07 | 0.15 | -0.21 |
| ## pctWFarmSelf | -0.07 | -0.16 | 0.09 |
| ## pctWInvInc | -0.13 | -0.05 | -0.18 |
| ## pctWSocSec | -0.05 | -0.21 | 0.28 |
| ## pctWPubAsst | 0.20 | 0.15 | 0.22 |
| ## pctWRetire | -0.07 | -0.21 | 0.05 |
| ## medFamInc | -0.09 | 0.20 | -0.28 |
| ## perCapInc | -0.02 | 0.20 | -0.33 |
| ## whitePerCap | 0.05 | 0.25 | -0.35 |
| ## blackPerCap | -0.04 | 0.25 | -0.21 |
| ## indianPerCap | 0.01 | 0.13 | -0.16 |
| ## AsianPerCap | -0.03 | 0.10 | -0.10 |
| ## OtherPerCap | -0.04 | 0.13 | -0.18 |
| ## HispPerCap | -0.08 | 0.09 | -0.17 |
| ## NumUnderPov | 0.61 | 0.21 | -0.04 |
| ## PctPopUnderPov | 0.16 | -0.01 | 0.18 |
| ## PctLess9thGrade | 0.09 | 0.20 | 0.29 |
| ## PctNotHSGrad | 0.08 | 0.11 | 0.32 |
| ## PctBSorMore | -0.01 | 0.11 | -0.33 |
| ## PctUnemployed | 0.16 | 0.12 | 0.18 |
| ## PctEmploy | -0.06 | 0.07 | -0.19 |
| ## PctEmplManu | -0.10 | -0.06 | 0.36 |
| ## PctEmplProfServ | -0.01 | -0.09 | -0.01 |
| ## PctOccupManu | 0.00 | -0.08 | 0.41 |
| ## PctOccupMgmtProf | -0.03 | 0.09 | -0.30 |
| ## MalePctDivorce | 0.24 | -0.08 | -0.04 |
| ## MalePctNevMarr | 0.22 | 0.32 | -0.10 |
| ## FemalePctDiv | 0.26 | 0.05 | -0.11 |
| ## TotalPctDiv | 0.25 | -0.02 | -0.07 |
| ## PersPerFam | 0.05 | 0.40 | 0.05 |
| ## PctFam2Par | -0.24 | -0.03 | -0.08 |
| ## PctKids2Par | -0.25 | -0.07 | -0.07 |
| ## PctYoungKids2Par | -0.19 | 0.04 | -0.14 |
| ## PctTeen2Par | -0.23 | -0.06 | -0.01 |
| ## PctWorkMomYoungKids | -0.07 | -0.25 | 0.10 |
| ## PctWorkMom | -0.12 | -0.32 | 0.08 |
| ## NumIlleg | 0.61 | 0.20 | -0.05 |
| ## PctIlleg | 0.28 | 0.21 | 0.01 |
| ## NumImmig | 0.66 | 0.50 | -0.21 |
| ## PctImmigRecent | 0.10 | 0.16 | -0.19 |
| ## PctImmigRec5 | 0.12 | 0.22 | -0.21 |
| ## PctImmigRec8 | 0.15 | 0.28 | -0.24 |
| ## PctImmigRec10 | 0.19 | 0.33 | -0.25 |
| ## PctRecentImmig | 0.25 | 0.92 | -0.47 |
| ## PctRecImmig5 | 0.26 | 0.94 | -0.47 |
| ## PctRecImmig8 | 0.27 | 0.95 | -0.47 |
| ## PctRecImmig10 | 0.27 | 0.96 | -0.47 |
| ## PctSpeakEnglOnly | -0.22 | -0.88 | 0.31 |
| ## PctNotSpeakEnglWell | 0.26 | 0.85 | -0.27 |
| ## PctLargHouseFam | 0.20 | 0.56 | -0.07 |

| | | | | |
|--------------------------|----------------|---------------|----------------|----------|
| ## PctLargHouseOccup | 0.13 | 0.54 | -0.07 | |
| ## PersPerOccupHous | -0.06 | 0.34 | -0.04 | |
| ## PersPerOwnOccHous | -0.04 | 0.34 | 0.02 | |
| ## PersPerRentOccHous | 0.04 | 0.40 | -0.14 | |
| ## PctPersOwnOccup | -0.27 | -0.30 | 0.15 | |
| ## PctPersDenseHous | 0.26 | 0.70 | -0.24 | |
| ## PctHousLess3BR | 0.27 | 0.31 | -0.17 | |
| ## MedNumBR | -0.22 | -0.27 | 0.16 | |
| ## HousVacant | 0.60 | 0.13 | -0.14 | |
| ## PctHousOccup | -0.10 | 0.12 | 0.17 | |
| ## PctHousOwnOcc | -0.26 | -0.28 | 0.12 | |
| ## PctVacantBoarded | 0.22 | -0.02 | 0.19 | |
| ## PctVacMore6Mos | -0.09 | -0.30 | 0.40 | |
| ## MedYrHousBuilt | -0.03 | -0.08 | -0.33 | |
| ## PctHousNoPhone | 0.10 | -0.11 | 0.21 | |
| ## PctWOFullPlumb | 0.20 | 0.18 | 0.13 | |
| ## OwnOccLowQuart | 0.05 | 0.55 | -0.39 | |
| ## OwnOccMedVal | 0.07 | 0.55 | -0.40 | |
| ## OwnOccHiQuart | 0.09 | 0.53 | -0.41 | |
| ## RentLowQ | 0.02 | 0.49 | -0.47 | |
| ## RentMedian | 0.02 | 0.50 | -0.44 | |
| ## RentHighQ | 0.03 | 0.51 | -0.45 | |
| ## MedRent | 0.00 | 0.46 | -0.42 | |
| ## MedRentPctHousInc | 0.14 | 0.32 | -0.23 | |
| ## MedOwnCostPctInc | 0.16 | 0.56 | -0.45 | |
| ## MedOwnCostPctIncNoMtg | -0.06 | -0.01 | 0.19 | |
| ## NumInShelters | 0.72 | 0.20 | -0.10 | |
| ## NumStreet | 1.00 | 0.25 | -0.16 | |
| ## PctForeignBorn | 0.25 | 1.00 | -0.48 | |
| ## PctBornSameState | -0.16 | -0.48 | 1.00 | |
| ## PctSameHouse85 | -0.13 | -0.08 | 0.49 | |
| ## PctSameCity85 | -0.03 | -0.02 | 0.56 | |
| ## PctSameState85 | -0.07 | -0.14 | 0.78 | |
| ## LandArea | 0.47 | 0.01 | -0.04 | |
| ## PopDens | 0.24 | 0.63 | -0.23 | |
| ## PctUsePubTrans | 0.24 | 0.44 | -0.18 | |
| ## LemasPctOfficDrugUn | 0.30 | 0.26 | -0.15 | |
| ## ViolentCrimesPerPop | 0.36 | 0.25 | -0.07 | |
| ## | PctSameHouse85 | PctSameCity85 | PctSameState85 | LandArea |
| ## population | -0.12 | 0.03 | -0.03 | 0.79 |
| ## householdsize | -0.06 | -0.09 | -0.02 | -0.01 |
| ## racepctblack | -0.03 | 0.08 | 0.00 | 0.12 |
| ## racePctWhite | 0.13 | -0.05 | 0.01 | -0.14 |
| ## racePctAsian | -0.18 | -0.18 | -0.17 | 0.03 |
| ## racePctHisp | -0.14 | 0.04 | 0.01 | 0.09 |
| ## agePct12t21 | -0.32 | -0.32 | -0.16 | 0.01 |
| ## agePct12t29 | -0.55 | -0.46 | -0.31 | 0.05 |
| ## agePct16t24 | -0.45 | -0.45 | -0.29 | 0.02 |
| ## agePct65up | 0.36 | 0.32 | 0.22 | -0.10 |
| ## numbUrban | -0.10 | 0.04 | -0.03 | 0.77 |
| ## pctUrban | 0.05 | 0.07 | -0.05 | 0.07 |
| ## medIncome | 0.18 | -0.07 | -0.10 | -0.05 |
| ## pctWWage | -0.21 | -0.29 | -0.22 | 0.04 |
| ## pctWFarmSelf | -0.12 | -0.15 | 0.00 | -0.01 |

| | | | | |
|------------------------|-------|-------|-------|-------|
| ## pctWInvInc | 0.19 | -0.14 | -0.15 | -0.07 |
| ## pctWSocSec | 0.41 | 0.39 | 0.32 | -0.11 |
| ## pctWPubAsst | -0.01 | 0.26 | 0.24 | 0.05 |
| ## pctWRetire | 0.32 | 0.16 | 0.09 | -0.05 |
| ## medFamInc | 0.17 | -0.10 | -0.12 | -0.06 |
| ## perCapInc | 0.16 | -0.09 | -0.16 | -0.03 |
| ## whitePerCap | 0.14 | -0.08 | -0.18 | 0.02 |
| ## blackPerCap | 0.15 | -0.03 | -0.05 | -0.03 |
| ## indianPerCap | 0.06 | -0.01 | -0.04 | -0.01 |
| ## AsianPerCap | 0.21 | 0.07 | 0.04 | -0.05 |
| ## OtherPerCap | 0.05 | -0.06 | -0.07 | -0.01 |
| ## HispPerCap | 0.22 | 0.02 | -0.05 | -0.06 |
| ## NumUnderPov | -0.09 | 0.07 | 0.01 | 0.73 |
| ## PctPopUnderPov | -0.18 | 0.04 | 0.07 | 0.10 |
| ## PctLess9thGrade | 0.12 | 0.33 | 0.30 | -0.01 |
| ## PctNotHSGrad | 0.16 | 0.38 | 0.35 | -0.01 |
| ## PctBSorMore | -0.10 | -0.35 | -0.36 | 0.02 |
| ## PctUnemployed | 0.04 | 0.24 | 0.20 | 0.08 |
| ## PctEmploy | -0.14 | -0.21 | -0.19 | 0.01 |
| ## PctEmplManu | 0.28 | 0.40 | 0.35 | -0.09 |
| ## PctEmplProfServ | -0.04 | -0.20 | -0.16 | 0.00 |
| ## PctOccupManu | 0.15 | 0.39 | 0.38 | -0.06 |
| ## PctOccupMgmtProf | 0.00 | -0.26 | -0.29 | 0.02 |
| ## MalePctDivorce | -0.26 | 0.07 | 0.00 | 0.14 |
| ## MalePctNevMarr | -0.27 | -0.23 | -0.18 | 0.05 |
| ## FemalePctDiv | -0.35 | 0.02 | -0.05 | 0.14 |
| ## TotalPctDiv | -0.30 | 0.05 | -0.01 | 0.14 |
| ## PersPerFam | 0.10 | 0.20 | 0.19 | 0.06 |
| ## PctFam2Par | 0.17 | -0.12 | -0.05 | -0.08 |
| ## PctKids2Par | 0.14 | -0.14 | -0.06 | -0.10 |
| ## PctYoungKids2Par | 0.11 | -0.15 | -0.09 | -0.08 |
| ## PctTeen2Par | 0.19 | -0.05 | 0.02 | -0.07 |
| ## PctWorkMomYoungKids | -0.12 | -0.07 | -0.02 | -0.04 |
| ## PctWorkMom | -0.11 | -0.13 | -0.05 | -0.07 |
| ## NumIlleg | -0.04 | 0.11 | 0.02 | 0.62 |
| ## PctIlleg | -0.11 | 0.12 | 0.02 | 0.12 |
| ## NumImmig | -0.09 | 0.02 | -0.06 | 0.56 |
| ## PctImmigRecent | -0.38 | -0.32 | -0.31 | 0.02 |
| ## PctImmigRec5 | -0.43 | -0.35 | -0.32 | 0.03 |
| ## PctImmigRec8 | -0.45 | -0.35 | -0.32 | 0.05 |
| ## PctImmigRec10 | -0.48 | -0.34 | -0.30 | 0.08 |
| ## PctRecentImmig | -0.21 | -0.13 | -0.23 | 0.00 |
| ## PctRecImmig5 | -0.22 | -0.12 | -0.22 | 0.01 |
| ## PctRecImmig8 | -0.20 | -0.11 | -0.20 | 0.01 |
| ## PctRecImmig10 | -0.20 | -0.09 | -0.19 | 0.02 |
| ## PctSpeakEnglOnly | 0.04 | -0.07 | 0.02 | -0.06 |
| ## PctNotSpeakEnglWell | -0.08 | 0.08 | -0.01 | 0.05 |
| ## PctLargHouseFam | -0.02 | 0.18 | 0.13 | 0.08 |
| ## PctLargHouseOccup | 0.01 | 0.18 | 0.14 | 0.05 |
| ## PersPerOccupHous | 0.12 | 0.12 | 0.13 | 0.00 |
| ## PersPerOwnOccHous | 0.15 | 0.14 | 0.15 | 0.01 |
| ## PersPerRentOccHous | -0.14 | -0.01 | 0.01 | 0.01 |
| ## PctPersOwnOccup | 0.49 | 0.22 | 0.25 | -0.05 |
| ## PctPersDenseHous | -0.22 | 0.03 | -0.01 | 0.08 |

| | | | | |
|--------------------------|---------|----------------|---------------------|-------|
| ## PctHousLess3BR | -0.33 | -0.08 | -0.15 | 0.06 |
| ## MedNumBR | 0.27 | 0.10 | 0.14 | -0.06 |
| ## HousVacant | -0.13 | 0.00 | -0.09 | 0.75 |
| ## PctHousOccup | 0.20 | 0.16 | 0.21 | -0.17 |
| ## PctHousOwnOcc | 0.46 | 0.21 | 0.24 | -0.05 |
| ## PctVacantBoarded | 0.14 | 0.28 | 0.21 | 0.22 |
| ## PctVacMore6Mos | 0.44 | 0.35 | 0.34 | 0.02 |
| ## MedYrHousBuilt | -0.48 | -0.46 | -0.33 | 0.10 |
| ## PctHousNoPhone | -0.10 | 0.11 | 0.09 | 0.06 |
| ## PctWOFullPlumb | 0.04 | 0.15 | 0.12 | 0.07 |
| ## OwnOccLowQuart | 0.06 | -0.09 | -0.14 | -0.07 |
| ## OwnOccMedVal | 0.05 | -0.11 | -0.16 | -0.06 |
| ## OwnOccHiQuart | 0.04 | -0.12 | -0.18 | -0.04 |
| ## RentLowQ | -0.05 | -0.19 | -0.21 | -0.06 |
| ## RentMedian | 0.02 | -0.15 | -0.18 | -0.05 |
| ## RentHighQ | 0.03 | -0.16 | -0.19 | -0.03 |
| ## MedRent | 0.05 | -0.14 | -0.17 | -0.05 |
| ## MedRentPctHousInc | -0.20 | -0.14 | -0.08 | 0.03 |
| ## MedOwnCostPctInc | -0.22 | -0.22 | -0.22 | 0.04 |
| ## MedOwnCostPctIncNoMtg | 0.34 | 0.20 | 0.18 | -0.02 |
| ## NumInShelters | -0.09 | 0.02 | -0.05 | 0.60 |
| ## NumStreet | -0.13 | -0.03 | -0.07 | 0.47 |
| ## PctForeignBorn | -0.08 | -0.02 | -0.14 | 0.01 |
| ## PctBornSameState | 0.49 | 0.56 | 0.78 | -0.04 |
| ## PctSameHouse85 | 1.00 | 0.79 | 0.67 | -0.08 |
| ## PctSameCity85 | 0.79 | 1.00 | 0.78 | -0.02 |
| ## PctSameState85 | 0.67 | 0.78 | 1.00 | -0.05 |
| ## LandArea | -0.08 | -0.02 | -0.05 | 1.00 |
| ## PopDens | -0.02 | 0.10 | -0.02 | -0.14 |
| ## PctUsePubTrans | 0.16 | 0.06 | -0.06 | 0.03 |
| ## LemasPctOfficDrugUn | -0.10 | 0.02 | -0.09 | 0.26 |
| ## ViolentCrimesPerPop | -0.11 | 0.13 | 0.03 | 0.19 |
| ## | PopDens | PctUsePubTrans | LemasPctOfficDrugUn | |
| ## population | 0.24 | 0.28 | 0.45 | |
| ## householdsize | 0.00 | -0.01 | -0.08 | |
| ## racepctblack | 0.17 | 0.23 | 0.27 | |
| ## racePctWhite | -0.39 | -0.30 | -0.32 | |
| ## racePctAsian | 0.37 | 0.28 | 0.12 | |
| ## racePctHisp | 0.42 | 0.15 | 0.21 | |
| ## agePct12t21 | -0.05 | -0.10 | 0.00 | |
| ## agePct12t29 | 0.18 | 0.04 | 0.13 | |
| ## agePct16t24 | 0.10 | 0.03 | 0.09 | |
| ## agePct65up | -0.03 | -0.01 | -0.01 | |
| ## numbUrban | 0.27 | 0.30 | 0.46 | |
| ## pctUrban | 0.36 | 0.32 | 0.27 | |
| ## medIncome | -0.05 | 0.20 | -0.15 | |
| ## pctWWage | -0.03 | 0.05 | -0.09 | |
| ## pctWFarmSelf | -0.29 | -0.25 | -0.18 | |
| ## pctWInvInc | -0.16 | 0.11 | -0.19 | |
| ## pctWSocSec | -0.06 | -0.05 | -0.01 | |
| ## pctWPubAsst | 0.24 | 0.07 | 0.24 | |
| ## pctWRetire | -0.14 | -0.06 | -0.06 | |
| ## medFamInc | -0.04 | 0.23 | -0.14 | |
| ## perCapInc | 0.01 | 0.27 | -0.08 | |

| | | | |
|------------------------|-------|-------|-------|
| ## whitePerCap | 0.06 | 0.33 | -0.01 |
| ## blackPerCap | 0.05 | 0.17 | -0.10 |
| ## indianPerCap | 0.09 | 0.12 | -0.01 |
| ## AsianPerCap | -0.03 | 0.11 | -0.07 |
| ## OtherPerCap | 0.04 | 0.12 | 0.00 |
| ## HispPerCap | -0.02 | 0.17 | -0.09 |
| ## NumUnderPov | 0.24 | 0.28 | 0.44 |
| ## PctPopUnderPov | 0.12 | -0.03 | 0.21 |
| ## PctLess9thGrade | 0.20 | -0.01 | 0.15 |
| ## PctNotHSGrad | 0.19 | -0.03 | 0.16 |
| ## PctBSorMore | -0.03 | 0.25 | -0.06 |
| ## PctUnemployed | 0.22 | 0.06 | 0.24 |
| ## PctEmploy | -0.02 | 0.04 | -0.10 |
| ## PctEmplManu | -0.01 | -0.18 | -0.05 |
| ## PctEmplProfServ | -0.03 | 0.21 | 0.00 |
| ## PctOccupManu | 0.06 | -0.16 | 0.05 |
| ## PctOccupMgmtProf | -0.07 | 0.23 | -0.08 |
| ## MalePctDivorce | 0.15 | -0.06 | 0.24 |
| ## MalePctNevMarr | 0.48 | 0.42 | 0.27 |
| ## FemalePctDiv | 0.23 | -0.03 | 0.26 |
| ## TotalPctDiv | 0.20 | -0.04 | 0.26 |
| ## PersPerFam | 0.17 | 0.11 | 0.04 |
| ## PctFam2Par | -0.34 | -0.15 | -0.34 |
| ## PctKids2Par | -0.33 | -0.14 | -0.35 |
| ## PctYoungKids2Par | -0.22 | -0.08 | -0.31 |
| ## PctTeen2Par | -0.34 | -0.19 | -0.35 |
| ## PctWorkMomYoungKids | -0.13 | -0.21 | -0.04 |
| ## PctWorkMom | -0.18 | -0.22 | -0.10 |
| ## NumIlleg | 0.31 | 0.36 | 0.40 |
| ## PctIlleg | 0.41 | 0.30 | 0.39 |
| ## NumImmig | 0.38 | 0.31 | 0.36 |
| ## PctImmigRecent | 0.17 | 0.11 | 0.15 |
| ## PctImmigRec5 | 0.21 | 0.13 | 0.17 |
| ## PctImmigRec8 | 0.25 | 0.15 | 0.20 |
| ## PctImmigRec10 | 0.27 | 0.14 | 0.21 |
| ## PctRecentImmig | 0.63 | 0.43 | 0.26 |
| ## PctRecImmig5 | 0.64 | 0.43 | 0.27 |
| ## PctRecImmig8 | 0.64 | 0.43 | 0.28 |
| ## PctRecImmig10 | 0.65 | 0.42 | 0.28 |
| ## PctSpeakEnglOnly | -0.56 | -0.32 | -0.27 |
| ## PctNotSpeakEnglWell | 0.57 | 0.30 | 0.28 |
| ## PctLargHouseFam | 0.38 | 0.19 | 0.19 |
| ## PctLargHouseOccup | 0.30 | 0.13 | 0.13 |
| ## PersPerOccupHous | 0.01 | -0.02 | -0.08 |
| ## PersPerOwnOccHous | 0.09 | 0.09 | -0.04 |
| ## PersPerRentOccHous | 0.11 | -0.08 | 0.03 |
| ## PctPersOwnOccup | -0.51 | -0.23 | -0.33 |
| ## PctPersDenseHous | 0.46 | 0.15 | 0.24 |
| ## PctHousLess3BR | 0.45 | 0.19 | 0.32 |
| ## MedNumBR | -0.35 | -0.15 | -0.29 |
| ## HousVacant | 0.18 | 0.24 | 0.45 |
| ## PctHousOccup | 0.11 | 0.11 | -0.11 |
| ## PctHousOwnOcc | -0.52 | -0.26 | -0.33 |
| ## PctVacantBoarded | 0.16 | 0.19 | 0.25 |

| | | | |
|--------------------------|---------------------|-------|-------|
| ## PctVacMore6Mos | -0.19 | 0.00 | -0.07 |
| ## MedYrHousBuilt | -0.39 | -0.42 | -0.13 |
| ## PctHousNoPhone | 0.00 | -0.13 | 0.13 |
| ## PctW0FullPlumb | 0.21 | 0.12 | 0.17 |
| ## OwnOccLowQuart | 0.27 | 0.35 | -0.02 |
| ## OwnOccMedVal | 0.27 | 0.36 | 0.00 |
| ## OwnOccHiQuart | 0.26 | 0.37 | 0.00 |
| ## RentLowQ | 0.24 | 0.27 | -0.03 |
| ## RentMedian | 0.22 | 0.32 | -0.03 |
| ## RentHighQ | 0.22 | 0.34 | -0.02 |
| ## MedRent | 0.18 | 0.29 | -0.04 |
| ## MedRentPctHousInc | 0.23 | 0.14 | 0.16 |
| ## MedOwnCostPctInc | 0.30 | 0.26 | 0.14 |
| ## MedOwnCostPctIncNoMtg | 0.12 | 0.33 | 0.09 |
| ## NumInShelters | 0.26 | 0.34 | 0.36 |
| ## NumStreet | 0.24 | 0.24 | 0.30 |
| ## PctForeignBorn | 0.63 | 0.44 | 0.26 |
| ## PctBornSameState | -0.23 | -0.18 | -0.15 |
| ## PctSameHouse85 | -0.02 | 0.16 | -0.10 |
| ## PctSameCity85 | 0.10 | 0.06 | 0.02 |
| ## PctSameState85 | -0.02 | -0.06 | -0.09 |
| ## LandArea | -0.14 | 0.03 | 0.26 |
| ## PopDens | 1.00 | 0.58 | 0.31 |
| ## PctUsePubTrans | 0.58 | 1.00 | 0.24 |
| ## LemasPctOfficDrugUn | 0.31 | 0.24 | 1.00 |
| ## ViolentCrimesPerPop | 0.34 | 0.21 | 0.37 |
| ## | ViolentCrimesPerPop | | |
| ## population | | 0.37 | |
| ## householdsize | | -0.04 | |
| ## racepctblack | | 0.61 | |
| ## racePctWhite | | -0.69 | |
| ## racePctAsian | | 0.08 | |
| ## racePctHisp | | 0.38 | |
| ## agePct12t21 | | 0.04 | |
| ## agePct12t29 | | 0.14 | |
| ## agePct16t24 | | 0.08 | |
| ## agePct65up | | 0.06 | |
| ## numbUrban | | 0.37 | |
| ## pctUrban | | 0.15 | |
| ## medIncome | | -0.41 | |
| ## pctWWage | | -0.30 | |
| ## pctWFarmSelf | | -0.19 | |
| ## pctWInvInc | | -0.58 | |
| ## pctWSocSec | | 0.12 | |
| ## pctWPubAsst | | 0.59 | |
| ## pctWRetire | | -0.09 | |
| ## medFamInc | | -0.42 | |
| ## perCapInc | | -0.35 | |
| ## whitePerCap | | -0.22 | |
| ## blackPerCap | | -0.26 | |
| ## indianPerCap | | -0.10 | |
| ## AsianPerCap | | -0.17 | |
| ## OtherPerCap | | -0.11 | |
| ## HispPerCap | | -0.26 | |

| | |
|------------------------|-------|
| ## NumUnderPov | 0.45 |
| ## PctPopUnderPov | 0.54 |
| ## PctLess9thGrade | 0.46 |
| ## PctNotHSGrad | 0.52 |
| ## PctBSorMore | -0.33 |
| ## PctUnemployed | 0.54 |
| ## PctEmploy | -0.33 |
| ## PctEmplManu | 0.02 |
| ## PctEmplProfServ | -0.10 |
| ## PctOccupManu | 0.33 |
| ## PctOccupMgmtProf | -0.36 |
| ## MalePctDivorce | 0.54 |
| ## MalePctNevMarr | 0.31 |
| ## FemalePctDiv | 0.56 |
| ## TotalPctDiv | 0.57 |
| ## PersPerFam | 0.17 |
| ## PctFam2Par | -0.71 |
| ## PctKids2Par | -0.74 |
| ## PctYoungKids2Par | -0.67 |
| ## PctTeen2Par | -0.65 |
| ## PctWorkMomYoungKids | -0.06 |
| ## PctWorkMom | -0.19 |
| ## NumIlleg | 0.50 |
| ## PctIlleg | 0.74 |
| ## NumImmig | 0.32 |
| ## PctImmigRecent | 0.17 |
| ## PctImmigRec5 | 0.21 |
| ## PctImmigRec8 | 0.27 |
| ## PctImmigRec10 | 0.31 |
| ## PctRecentImmig | 0.28 |
| ## PctRecImmig5 | 0.30 |
| ## PctRecImmig8 | 0.30 |
| ## PctRecImmig10 | 0.32 |
| ## PctSpeakEnglOnly | -0.32 |
| ## PctNotSpeakEnglWell | 0.39 |
| ## PctLargHouseFam | 0.43 |
| ## PctLargHouseOccup | 0.34 |
| ## PersPerOccupHous | -0.02 |
| ## PersPerOwnOccHous | -0.09 |
| ## PersPerRentOccHous | 0.25 |
| ## PctPersOwnOccup | -0.53 |
| ## PctPersDenseHous | 0.51 |
| ## PctHousLess3BR | 0.50 |
| ## MedNumBR | -0.40 |
| ## HousVacant | 0.40 |
| ## PctHousOccup | -0.27 |
| ## PctHousOwnOcc | -0.48 |
| ## PctVacantBoarded | 0.51 |
| ## PctVacMore6Mos | 0.02 |
| ## MedYrHousBuilt | -0.18 |
| ## PctHousNoPhone | 0.48 |
| ## PctWOfullPlumb | 0.39 |
| ## OwnOccLowQuart | -0.19 |
| ## OwnOccMedVal | -0.17 |

```
## OwnOccHiQuart -0.16
## RentLowQ -0.24
## RentMedian -0.22
## RentHighQ -0.21
## MedRent -0.23
## MedRentPctHousInc 0.33
## MedOwnCostPctInc 0.06
## MedOwnCostPctIncNoMtg 0.05
## NumInShelters 0.40
## NumStreet 0.36
## PctForeignBorn 0.25
## PctBornSameState -0.07
## PctSameHouse85 -0.11
## PctSameCity85 0.13
## PctSameState85 0.03
## LandArea 0.19
## PopDens 0.34
## PctUsePubTrans 0.21
## LemasPctOfficDrugUn 0.37
## ViolentCrimesPerPop 1.00
```

There is seems to be strong multicollinearity (-0.7) between the percentage of illegitimate children in the population (PctIlleg) and the percentage of families that are two-parent households (PctKids2Par), suggesting that we should choose one of the predictors to incorporate. ##### MODEL BUILDING ##### Models 1-12

```
fit1 <- lm(ViolentCrimesPerPop ~ PctIlleg + racePctWhite + pctWPubAsst + TotalPctDiv + pctWInvInc, d_c
```

```
summary(fit1)
```

```
##
## Call:
## lm(formula = ViolentCrimesPerPop ~ PctIlleg + racePctWhite +
##     pctWPubAsst + TotalPctDiv + pctWInvInc, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.61296 -0.07827 -0.01928  0.05082  0.77086
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.155474   0.050981   3.050  0.00237 **
## PctIlleg      0.387451   0.042434   9.131 < 2e-16 ***
## racePctWhite -0.254406   0.035638  -7.139 2.13e-12 ***
## pctWPubAsst   0.087315   0.037582   2.323  0.02041 *
## TotalPctDiv   0.301806   0.037801   7.984 4.96e-15 ***
## pctWInvInc    0.004335   0.049680   0.087  0.93049
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1438 on 794 degrees of freedom
## Multiple R-squared:  0.6278, Adjusted R-squared:  0.6255
## F-statistic: 267.9 on 5 and 794 DF, p-value: < 2.2e-16
```

```
fit2 <- lm(ViolentCrimesPerPop ~ PctIlleg + pctWPubAsst + TotalPctDiv + racePctWhite + pctWInvInc + racePctWhite:pctWPubAsst, data = d_cleaned)
summary(fit2)
```

```
##
## Call:
## lm(formula = ViolentCrimesPerPop ~ PctIlleg + pctWPubAsst + TotalPctDiv +
##     racePctWhite + pctWInvInc + racePctWhite * pctWPubAsst, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.65945 -0.07802 -0.02236  0.05215  0.77655
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    0.095169   0.058923   1.615  0.10668
## PctIlleg        0.374122   0.042857   8.730 < 2e-16 ***
## pctWPubAsst     0.206812   0.069816   2.962  0.00315 **
## TotalPctDiv     0.318675   0.038632   8.249 6.62e-16 ***
## racePctWhite   -0.172405   0.053832  -3.203  0.00142 **
## pctWInvInc     -0.007703   0.049937  -0.154  0.87744
## pctWPubAsst:racePctWhite -0.185460  0.091389  -2.029  0.04276 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1435 on 793 degrees of freedom
## Multiple R-squared:  0.6297, Adjusted R-squared:  0.6269
## F-statistic: 224.8 on 6 and 793 DF,  p-value: < 2.2e-16
```

```
fit3 <- lm(ViolentCrimesPerPop ~ PctIlleg + racePctWhite + pctWPubAsst + racePctWhite:PctHousOwnOcc + racePctWhite:pctWPubAsst, data = d_cleaned)
summary(fit3)
```

```
##
## Call:
## lm(formula = ViolentCrimesPerPop ~ PctIlleg + racePctWhite +
##     pctWPubAsst + racePctWhite * PctHousOwnOcc + racePctWhite *
##     pctWPubAsst, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.63857 -0.07518 -0.02718  0.04960  0.78346
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    0.42778   0.08588   4.981 7.76e-07 ***
## PctIlleg        0.41544   0.04890   8.495 < 2e-16 ***
## racePctWhite   -0.40665   0.10570  -3.847 0.000129 ***
## pctWPubAsst     0.10217   0.07712   1.325 0.185642
## PctHousOwnOcc   -0.24283   0.11242  -2.160 0.031067 *
## racePctWhite:PctHousOwnOcc  0.23040   0.13740   1.677 0.093966 .
## racePctWhite:pctWPubAsst   0.08112   0.10513   0.772 0.440560
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1501 on 793 degrees of freedom
```

```

## Multiple R-squared:  0.5949, Adjusted R-squared:  0.5918
## F-statistic: 194.1 on 6 and 793 DF,  p-value: < 2.2e-16

fit4 <- lm(ViolentCrimesPerPop ~ PctIlleg + TotalPctDiv + racePctWhite + racePctWhite*pctWPubAsst, d_cl
summary(fit4)

##
## Call:
## lm(formula = ViolentCrimesPerPop ~ PctIlleg + TotalPctDiv + racePctWhite +
##     racePctWhite * pctWPubAsst, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.65978 -0.07826 -0.02284  0.05154  0.77731
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.09042    0.05019   1.801  0.07202 .
## PctIlleg          0.37423    0.04282   8.739 < 2e-16 ***
## TotalPctDiv       0.32096    0.03564   9.005 < 2e-16 ***
## racePctWhite     -0.17396    0.05285  -3.291  0.00104 **
## pctWPubAsst       0.20870    0.06869   3.038  0.00246 **
## racePctWhite:pctWPubAsst -0.18378    0.09069  -2.027  0.04304 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1434 on 794 degrees of freedom
## Multiple R-squared:  0.6297, Adjusted R-squared:  0.6274
## F-statistic: 270.1 on 5 and 794 DF,  p-value: < 2.2e-16

fit5 <- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + racePctWhite*pctWPu
summary(fit5)

##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##     racePctWhite * TotalPctDiv + racePctWhite * pctWPubAsst,
##     data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.62449 -0.07318 -0.02101  0.04960  0.77785
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    -0.09938    0.07518  -1.322  0.18663
## racePctWhite     0.05545    0.08635   0.642  0.52093
## PctIlleg         0.17520    0.08336   2.102  0.03590 *
## TotalPctDiv      0.74856    0.13552   5.524  4.5e-08 ***
## pctWPubAsst      0.26736    0.09151   2.922  0.00358 **
## racePctWhite:PctIlleg 0.32002    0.13321   2.402  0.01652 *
## racePctWhite:TotalPctDiv -0.54485    0.16626  -3.277  0.00109 **
## racePctWhite:pctWPubAsst -0.26313    0.13120  -2.005  0.04525 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```
##
## Residual standard error: 0.1425 on 792 degrees of freedom
## Multiple R-squared:  0.6354, Adjusted R-squared:  0.6322
## F-statistic: 197.2 on 7 and 792 DF,  p-value: < 2.2e-16

fit6 <- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + racePctWhite*pctWPu
summary(fit6)

##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##     racePctWhite * TotalPctDiv + racePctWhite * pctWPuAsst +
##     racePctWhite * PctPopUnderPov, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.57338 -0.07643 -0.01909  0.05015  0.78577
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -0.09448    0.07523  -1.256 0.209542
## racePctWhite    0.04859    0.08634   0.563 0.573774
## PctIlleg       0.22697    0.08547   2.655 0.008080 **
## TotalPctDiv    0.75854    0.13525   5.608 2.83e-08 ***
## pctWPuAsst     0.44860    0.11595   3.869 0.000118 ***
## PctPopUnderPov -0.30312    0.11983  -2.530 0.011613 *
## racePctWhite:PctIlleg  0.26227    0.13506   1.942 0.052500 .
## racePctWhite:TotalPctDiv -0.56470    0.16606  -3.400 0.000706 ***
## racePctWhite:pctWPuAsst -0.51994    0.16365  -3.177 0.001545 **
## racePctWhite:PctPopUnderPov 0.42734    0.16324   2.618 0.009020 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.142 on 790 degrees of freedom
## Multiple R-squared:  0.6386, Adjusted R-squared:  0.6345
## F-statistic: 155.1 on 9 and 790 DF,  p-value: < 2.2e-16

fit7 <- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + racePctWhite*pctWPu
summary(fit7)

##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##     racePctWhite * TotalPctDiv + racePctWhite * pctWPuAsst +
##     racePctWhite * NumInShelters, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.58263 -0.07131 -0.02125  0.04850  0.78193
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -0.06622    0.07466  -0.887 0.37543
## racePctWhite    0.02390    0.08570   0.279 0.78037
## PctIlleg       0.16119    0.08393   1.921 0.05515 .
```

```
## TotalPctDiv          0.68378    0.13503    5.064 5.12e-07 ***
## pctWPubAsst          0.24844    0.09100    2.730 0.00647 **
## NumInShelters        0.23825    0.10308    2.311 0.02107 *
## racePctWhite:PctIlleg 0.29711    0.13519    2.198 0.02826 *
## racePctWhite:TotalPctDiv -0.48223    0.16508   -2.921 0.00359 **
## racePctWhite:pctWPubAsst -0.23448    0.13030   -1.800 0.07230 .
## racePctWhite:NumInShelters -0.05114    0.22412   -0.228 0.81957
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1408 on 790 degrees of freedom
## Multiple R-squared:  0.645, Adjusted R-squared:  0.641
## F-statistic: 159.5 on 9 and 790 DF,  p-value: < 2.2e-16
```

```
fit8 <- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + racePctWhite*pctWPubAsst +
summary(fit8)
```

```
##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##      racePctWhite * TotalPctDiv + racePctWhite * pctWPubAsst +
##      PctHousNoPhone, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.62336 -0.07312 -0.02113  0.05025  0.78039
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -0.098018   0.075560  -1.297  0.19493
## racePctWhite    0.053223   0.087167   0.611  0.54164
## PctIlleg        0.176700   0.083777   2.109  0.03524 *
## TotalPctDiv     0.747227   0.135774   5.503 5.03e-08 ***
## pctWPubAsst     0.269447   0.092203   2.922  0.00357 **
## PctHousNoPhone -0.005941   0.030803  -0.193  0.84711
## racePctWhite:PctIlleg  0.319536   0.133314   2.397  0.01677 *
## racePctWhite:TotalPctDiv -0.541276   0.167390  -3.234  0.00127 **
## racePctWhite:pctWPubAsst -0.261705   0.131489  -1.990  0.04690 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1426 on 791 degrees of freedom
## Multiple R-squared:  0.6355, Adjusted R-squared:  0.6318
## F-statistic: 172.4 on 8 and 791 DF,  p-value: < 2.2e-16
```

```
fit9 <- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + racePctWhite*pctWPubAsst +
summary(fit9)
```

```
##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##      racePctWhite * TotalPctDiv + racePctWhite * pctWPubAsst +
##      PctHousNoPhone, data = d_cleaned)
##
## Residuals:
```



```

##      Min      1Q   Median      3Q      Max
## -0.62336 -0.07312 -0.02113  0.05025  0.78039
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    -0.098018   0.075560  -1.297  0.19493
## racePctWhite     0.053223   0.087167   0.611  0.54164
## PctIlleg        0.176700   0.083777   2.109  0.03524 *
## TotalPctDiv     0.747227   0.135774   5.503 5.03e-08 ***
## pctWPubAsst     0.269447   0.092203   2.922  0.00357 **
## PctHousNoPhone  -0.005941   0.030803  -0.193  0.84711
## racePctWhite:PctIlleg  0.319536   0.133314   2.397  0.01677 *
## racePctWhite:TotalPctDiv -0.541276   0.167390  -3.234  0.00127 **
## racePctWhite:pctWPubAsst -0.261705   0.131489  -1.990  0.04690 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1426 on 791 degrees of freedom
## Multiple R-squared:  0.6355, Adjusted R-squared:  0.6318
## F-statistic: 172.4 on 8 and 791 DF,  p-value: < 2.2e-16

fit10 <- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + racePctWhite*pctWPubAsst +
summary(fit10)

##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##      racePctWhite * TotalPctDiv + racePctWhite * pctWPubAsst +
##      NumInShelters, data = d_cleaned)
##
## Residuals:
##      Min      1Q   Median      3Q      Max
## -0.58583 -0.07122 -0.02159  0.04835  0.78232
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    -0.06679   0.07458  -0.896  0.37077
## racePctWhite     0.02497   0.08552   0.292  0.77041
## PctIlleg        0.16484   0.08235   2.002  0.04566 *
## TotalPctDiv     0.68157   0.13460   5.064 5.12e-07 ***
## pctWPubAsst     0.25064   0.09043   2.771  0.00571 **
## NumInShelters   0.21733   0.04714   4.610 4.69e-06 ***
## racePctWhite:PctIlleg  0.29022   0.13170   2.204  0.02783 *
## racePctWhite:TotalPctDiv -0.48033   0.16477  -2.915  0.00365 **
## racePctWhite:pctWPubAsst -0.23719   0.12968  -1.829  0.06777 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1407 on 791 degrees of freedom
## Multiple R-squared:  0.645, Adjusted R-squared:  0.6414
## F-statistic: 179.6 on 8 and 791 DF,  p-value: < 2.2e-16

fit11 <- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + NumInShelters + r
summary(fit9)

```

```
##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##      racePctWhite * TotalPctDiv + racePctWhite * pctWPubAsst +
##      PctHousNoPhone, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.62336 -0.07312 -0.02113  0.05025  0.78039
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -0.098018   0.075560  -1.297  0.19493
## racePctWhite    0.053223   0.087167   0.611  0.54164
## PctIlleg       0.176700   0.083777   2.109  0.03524 *
## TotalPctDiv    0.747227   0.135774   5.503 5.03e-08 ***
## pctWPubAsst    0.269447   0.092203   2.922  0.00357 **
## PctHousNoPhone -0.005941   0.030803  -0.193  0.84711
## racePctWhite:PctIlleg  0.319536   0.133314   2.397  0.01677 *
## racePctWhite:TotalPctDiv -0.541276   0.167390  -3.234  0.00127 **
## racePctWhite:pctWPubAsst -0.261705   0.131489  -1.990  0.04690 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1426 on 791 degrees of freedom
## Multiple R-squared:  0.6355, Adjusted R-squared:  0.6318
## F-statistic: 172.4 on 8 and 791 DF, p-value: < 2.2e-16

fit12<- lm(ViolentCrimesPerPop ~ racePctWhite*PctIlleg + racePctWhite*TotalPctDiv + NumInShelters + pctWInvInc, data = d_cleaned)
summary(fit12)

##
## Call:
## lm(formula = ViolentCrimesPerPop ~ racePctWhite * PctIlleg +
##      racePctWhite * TotalPctDiv + NumInShelters + pctWPubAsst +
##      pctWInvInc, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.55307 -0.07372 -0.01940  0.04725  0.77243
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    0.007771   0.077102   0.101  0.919746
## racePctWhite    0.001908   0.083725   0.023  0.981826
## PctIlleg       0.246323   0.069262   3.556  0.000398 ***
## TotalPctDiv    0.685590   0.134715   5.089 4.50e-07 ***
## NumInShelters  0.234066   0.048177   4.858 1.43e-06 ***
## pctWPubAsst    0.070498   0.037027   1.904  0.057279 .
## pctWInvInc     -0.065976   0.050311  -1.311  0.190112
## racePctWhite:PctIlleg  0.130084   0.102014   1.275  0.202626
## racePctWhite:TotalPctDiv -0.526715   0.164653  -3.199  0.001434 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
```

```
## Residual standard error: 0.1408 on 791 degrees of freedom
## Multiple R-squared:  0.6443, Adjusted R-squared:  0.6407
## F-statistic: 179.1 on 8 and 791 DF,  p-value: < 2.2e-16
```

Models 13-20

Apply square root transformation of ViolentCrimesPerPopNew

```
##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ racePctWhite * PctIlleg +
##      racePctWhite * TotalPctDiv + NumInShelters + racePctWhite *
##      pctWPubAsst + racePctWhite * pctWInvInc + racePctWhite *
##      PctUnemployed, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.44412 -0.08218 -0.01336  0.07155  0.55206
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.3519253   0.1417213    2.483 0.013227 *
## racePctWhite     -0.2090005   0.1807956   -1.156 0.248030
## PctIlleg         -0.0129911   0.0811679   -0.160 0.872881
## TotalPctDiv       0.4744823   0.1271587    3.731 0.000204 ***
## NumInShelters     0.1856299   0.0460725    4.029 6.14e-05 ***
## pctWPubAsst      -0.0004303   0.1151051   -0.004 0.997018
## pctWInvInc       -0.0545391   0.1820779   -0.300 0.764609
## PctUnemployed     0.2255403   0.1305423    1.728 0.084431 .
## racePctWhite:PctIlleg  0.5009192   0.1287598    3.890 0.000109 ***
## racePctWhite:TotalPctDiv -0.1689008   0.1579360   -1.069 0.285206
## racePctWhite:pctWPubAsst -0.0118736   0.1619861   -0.073 0.941586
## racePctWhite:pctWInvInc -0.0264325   0.2268451   -0.117 0.907268
## racePctWhite:PctUnemployed -0.2082743   0.1734751   -1.201 0.230267
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1301 on 787 degrees of freedom
## Multiple R-squared:  0.6655, Adjusted R-squared:  0.6604
## F-statistic: 130.5 on 12 and 787 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ racePctWhite * PctIlleg +
##      racePctWhite * TotalPctDiv + NumInShelters + racePctWhite *
##      pctWPubAsst + racePctWhite * pctWInvInc + racePctWhite *
##      PctUnemployed + PctVacantBoarded, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.45250 -0.08326 -0.01288  0.07193  0.54125
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.390795   0.143978    2.714 0.006788 **
```

```

## racePctWhite          -0.258703    0.183688   -1.408 0.159413
## PctIlleg              -0.020685    0.081267   -0.255 0.799151
## TotalPctDiv           0.444866    0.128594    3.459 0.000570 ***
## NumInShelters         0.177568    0.046351    3.831 0.000138 ***
## pctWPubAsst           0.002074    0.115027    0.018 0.985622
## pctWInvInc            -0.088665    0.183362   -0.484 0.628837
## PctUnemployed         0.185017    0.133227    1.389 0.165305
## PctVacantBoarded      0.040604    0.027162    1.495 0.135341
## racePctWhite:PctIlleg  0.497592    0.128678    3.867 0.000119 ***
## racePctWhite:TotalPctDiv -0.132046    0.159726   -0.827 0.408656
## racePctWhite:pctWPubAsst -0.018193    0.161914   -0.112 0.910565
## racePctWhite:pctWInvInc  0.018111    0.228617    0.079 0.936879
## racePctWhite:PctUnemployed -0.173622    0.174882   -0.993 0.321116
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.13 on 786 degrees of freedom
## Multiple R-squared:  0.6664, Adjusted R-squared:  0.6609
## F-statistic: 120.8 on 13 and 786 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ PctIlleg + racePctWhite +
##     TotalPctDiv + NumIlleg + PctVacantBoarded + LemasPctOfficDrugUn +
##     MedRentPctHousInc + PctNotHSGrad, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.46663 -0.08282 -0.01357  0.07102  0.52339
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    0.27198    0.03768   7.218 1.24e-12 ***
## PctIlleg        0.16492    0.04156   3.968 7.89e-05 ***
## racePctWhite   -0.26047    0.03181  -8.189 1.06e-15 ***
## TotalPctDiv     0.39073    0.03049  12.816 < 2e-16 ***
## NumIlleg        0.09408    0.04982   1.888 0.059360 .
## PctVacantBoarded 0.04199    0.02566   1.636 0.102159
## LemasPctOfficDrugUn 0.07219    0.02018   3.577 0.000368 ***
## MedRentPctHousInc 0.11053    0.02922   3.782 0.000167 ***
## PctNotHSGrad    0.12933    0.02903   4.455 9.60e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1291 on 791 degrees of freedom
## Multiple R-squared:  0.6691, Adjusted R-squared:  0.6658
## F-statistic: 199.9 on 8 and 791 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ racePctWhite * PctIlleg +
##     racePctWhite * TotalPctDiv + racePctWhite * PctVacantBoarded +
##     racePctWhite * LemasPctOfficDrugUn + racePctWhite * MedRentPctHousInc +
##     racePctWhite * PctNotHSGrad, data = d_cleaned)
##

```

```
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.43852 -0.07885 -0.01255  0.07548  0.52714
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.164221    0.092989   1.766 0.077779 .
## racePctWhite     -0.124270    0.109132  -1.139 0.255170
## PctIlleg         -0.053933    0.083983  -0.642 0.520941
## TotalPctDiv       0.574363    0.128389   4.474 8.83e-06 ***
## PctVacantBoarded  0.042470    0.063821   0.665 0.505954
## LemasPctOfficDrugUn 0.071523    0.049566   1.443 0.149425
## MedRentPctHousInc  0.149968    0.105756   1.418 0.156573
## PctNotHSGrad      0.293135    0.092145   3.181 0.001524 **
## racePctWhite:PctIlleg 0.445779    0.128927   3.458 0.000574 ***
## racePctWhite:TotalPctDiv -0.242624    0.155607  -1.559 0.119349
## racePctWhite:PctVacantBoarded 0.024808    0.091902   0.270 0.787273
## racePctWhite:LemasPctOfficDrugUn 0.006709    0.074758   0.090 0.928509
## racePctWhite:MedRentPctHousInc -0.065237    0.131539  -0.496 0.620069
## racePctWhite:PctNotHSGrad -0.255985    0.121980  -2.099 0.036171 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1284 on 786 degrees of freedom
## Multiple R-squared:  0.6746, Adjusted R-squared:  0.6692
## F-statistic: 125.4 on 13 and 786 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ PctIlleg + racePctWhite +
##      TotalPctDiv + PctVacantBoarded + racePctWhite * LemasPctOfficDrugUn +
##      MedRentPctHousInc + racePctWhite * PctNotHSGrad, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.49562 -0.08113 -0.01346  0.07195  0.52119
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.281477    0.053059   5.305 1.46e-07 ***
## PctIlleg         0.188070    0.041833   4.496 7.97e-06 ***
## racePctWhite     -0.272420    0.055291  -4.927 1.02e-06 ***
## TotalPctDiv       0.389221    0.031709  12.275 < 2e-16 ***
## PctVacantBoarded  0.053648    0.025047   2.142 0.032506 *
## LemasPctOfficDrugUn 0.028383    0.047072   0.603 0.546700
## MedRentPctHousInc  0.108480    0.029307   3.702 0.000229 ***
## PctNotHSGrad      0.121347    0.078849   1.539 0.124212
## racePctWhite:LemasPctOfficDrugUn 0.085418    0.069866   1.223 0.221846
## racePctWhite:PctNotHSGrad -0.002313    0.100190  -0.023 0.981585
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1293 on 790 degrees of freedom
## Multiple R-squared:  0.6682, Adjusted R-squared:  0.6645
```

```
## F-statistic: 176.8 on 9 and 790 DF,  p-value: < 2.2e-16

##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ PctIlleg + TotalPctDiv +
##      racePctWhite * PctVacantBoarded + LemasPctOfficDrugUn + MedRentPctHousInc +
##      PctNotHSGrad, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.44475 -0.07886 -0.01162  0.07560  0.52052
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.30067    0.04039   7.444 2.56e-13 ***
## PctIlleg          0.19965    0.04157   4.802 1.88e-06 ***
## TotalPctDiv       0.38733    0.03058  12.667 < 2e-16 ***
## racePctWhite     -0.29851    0.03673  -8.128 1.68e-15 ***
## PctVacantBoarded -0.03051    0.05072  -0.602 0.547655
## LemasPctOfficDrugUn  0.07780    0.01972   3.945 8.70e-05 ***
## MedRentPctHousInc  0.10991    0.02922   3.761 0.000181 ***
## PctNotHSGrad      0.11257    0.02925   3.848 0.000129 ***
## racePctWhite:PctVacantBoarded 0.13668    0.07222   1.893 0.058780 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1291 on 791 degrees of freedom
## Multiple R-squared:  0.6691, Adjusted R-squared:  0.6658
## F-statistic: 199.9 on 8 and 791 DF,  p-value: < 2.2e-16

##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ PctIlleg + TotalPctDiv +
##      PctVacantBoarded + LemasPctOfficDrugUn + MedRentPctHousInc +
##      racePctWhite * PctNotHSGrad, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.48431 -0.08256 -0.01374  0.07068  0.52146
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.276548    0.052922   5.226 2.22e-07 ***
## PctIlleg          0.183041    0.041643   4.395 1.26e-05 ***
## TotalPctDiv       0.391204    0.031678  12.350 < 2e-16 ***
## PctVacantBoarded  0.053070    0.025050   2.119 0.034437 *
## LemasPctOfficDrugUn  0.080591    0.019814   4.067 5.23e-05 ***
## MedRentPctHousInc  0.109733    0.029298   3.745 0.000193 ***
## racePctWhite     -0.267790    0.055179  -4.853 1.46e-06 ***
## PctNotHSGrad      0.115566    0.078732   1.468 0.142544
## racePctWhite:PctNotHSGrad 0.009233    0.099775   0.093 0.926293
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1293 on 791 degrees of freedom
```

```
## Multiple R-squared:  0.6676, Adjusted R-squared:  0.6643
## F-statistic: 198.6 on 8 and 791 DF,  p-value: < 2.2e-16

##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ PctIlleg + TotalPctDiv +
##      PctVacantBoarded + LemasPctOfficDrugUn + racePctWhite * MedRentPctHousInc +
##      PctNotHSGrad, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.46952 -0.08147 -0.01375  0.06988  0.51830
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.31399    0.06309   4.977 7.93e-07 ***
## PctIlleg          0.18560    0.04083   4.546 6.33e-06 ***
## TotalPctDiv       0.38941    0.03070  12.684 < 2e-16 ***
## PctVacantBoarded  0.05430    0.02508   2.165  0.0307 *
## LemasPctOfficDrugUn 0.08041    0.01970   4.082 4.93e-05 ***
## racePctWhite     -0.31489    0.07095  -4.438 1.04e-05 ***
## MedRentPctHousInc  0.03599    0.09570   0.376  0.7069
## PctNotHSGrad      0.12341    0.02888   4.274 2.16e-05 ***
## racePctWhite:MedRentPctHousInc 0.09483    0.11729   0.809  0.4190
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1293 on 791 degrees of freedom
## Multiple R-squared:  0.6679, Adjusted R-squared:  0.6645
## F-statistic: 198.8 on 8 and 791 DF,  p-value: < 2.2e-16
```

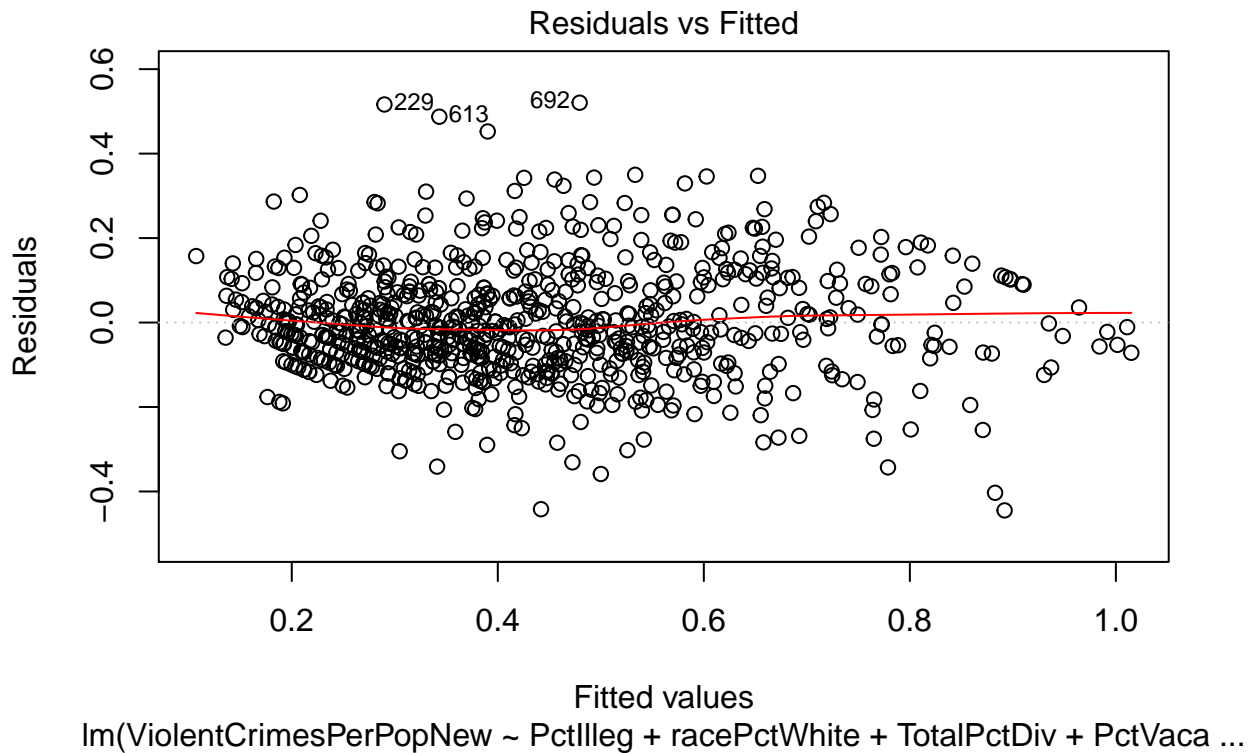
Final Model Diagnostics

```
m <- lm(ViolentCrimesPerPopNew ~ PctIlleg + racePctWhite + TotalPctDiv + PctVacantBoarded*racePctWhite +
summary(m)
```

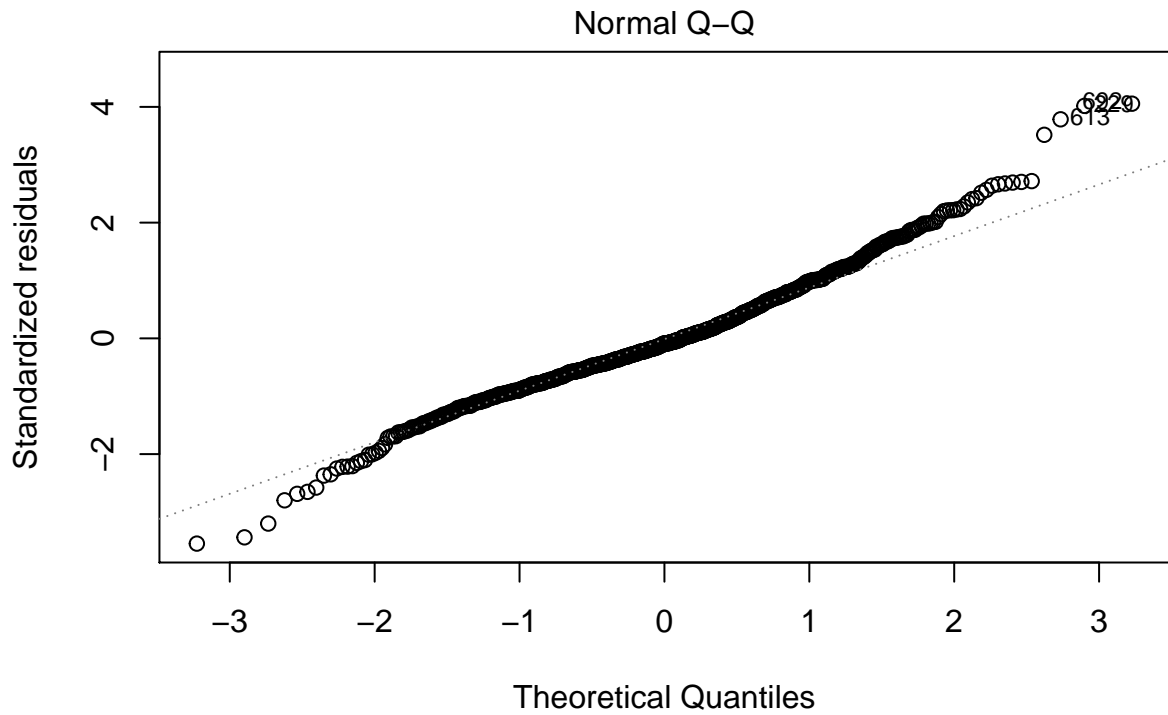
```
##
## Call:
## lm(formula = ViolentCrimesPerPopNew ~ PctIlleg + racePctWhite +
##      TotalPctDiv + PctVacantBoarded * racePctWhite + LemasPctOfficDrugUn +
##      MedRentPctHousInc + PctNotHSGrad, data = d_cleaned)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.44475 -0.07886 -0.01162  0.07560  0.52052
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.30067    0.04039   7.444 2.56e-13 ***
## PctIlleg          0.19965    0.04157   4.802 1.88e-06 ***
## racePctWhite     -0.29851    0.03673  -8.128 1.68e-15 ***
## TotalPctDiv       0.38733    0.03058  12.667 < 2e-16 ***
## PctVacantBoarded -0.03051    0.05072  -0.602 0.547655
## LemasPctOfficDrugUn 0.07780    0.01972   3.945 8.70e-05 ***
## MedRentPctHousInc  0.10991    0.02922   3.761 0.000181 ***
```

```
## PctNotHSGrad          0.11257    0.02925    3.848 0.000129 ***
## racePctWhite:PctVacantBoarded 0.13668    0.07222    1.893 0.058780 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1291 on 791 degrees of freedom
## Multiple R-squared:  0.6691, Adjusted R-squared:  0.6658
## F-statistic: 199.9 on 8 and 791 DF,  p-value: < 2.2e-16
```

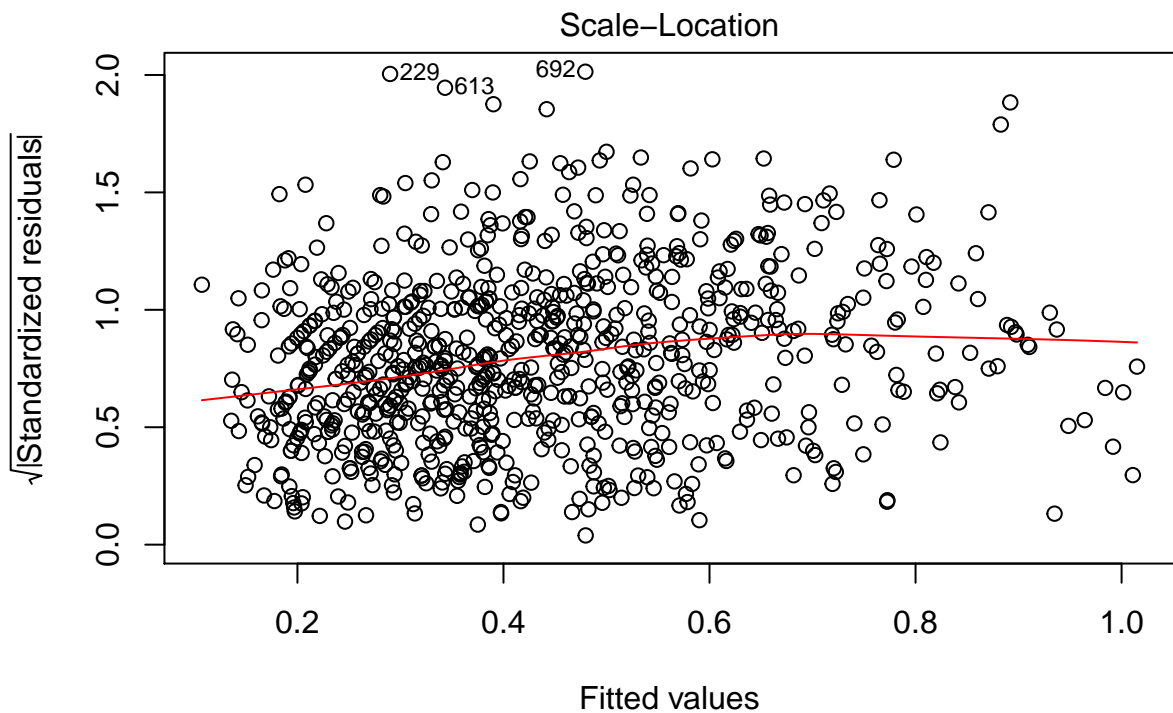
```
plot(m, 1)
```



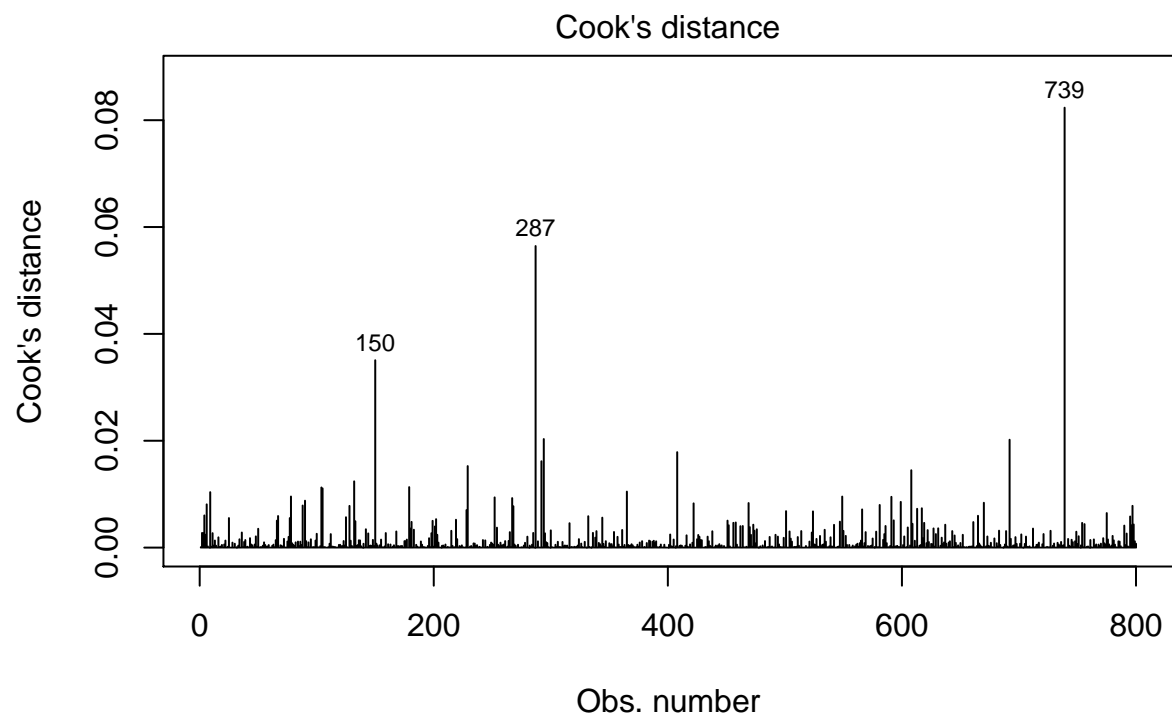
```
plot(m, 2)
```

```
plot(m, 3)
```



```
plot(m, 4)
```



RSE = 0.1291 Adjusted R-squared: 0.6658