

# Lab 3: Regression Competition

In the hot New Jersey night

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## 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$PctVacantBoarded, data$PctBlack, data$PctHispanic))
  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)
```

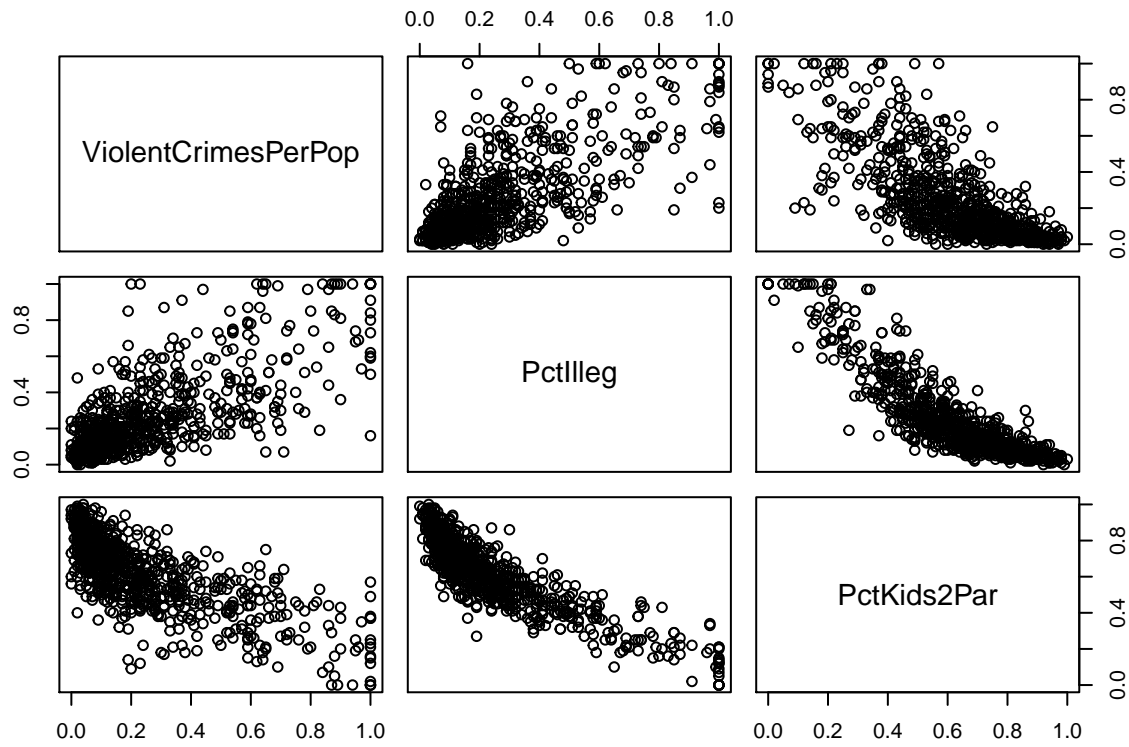
```
against_crim <- corr_matrix[nrow(corr_matrix),]
```

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

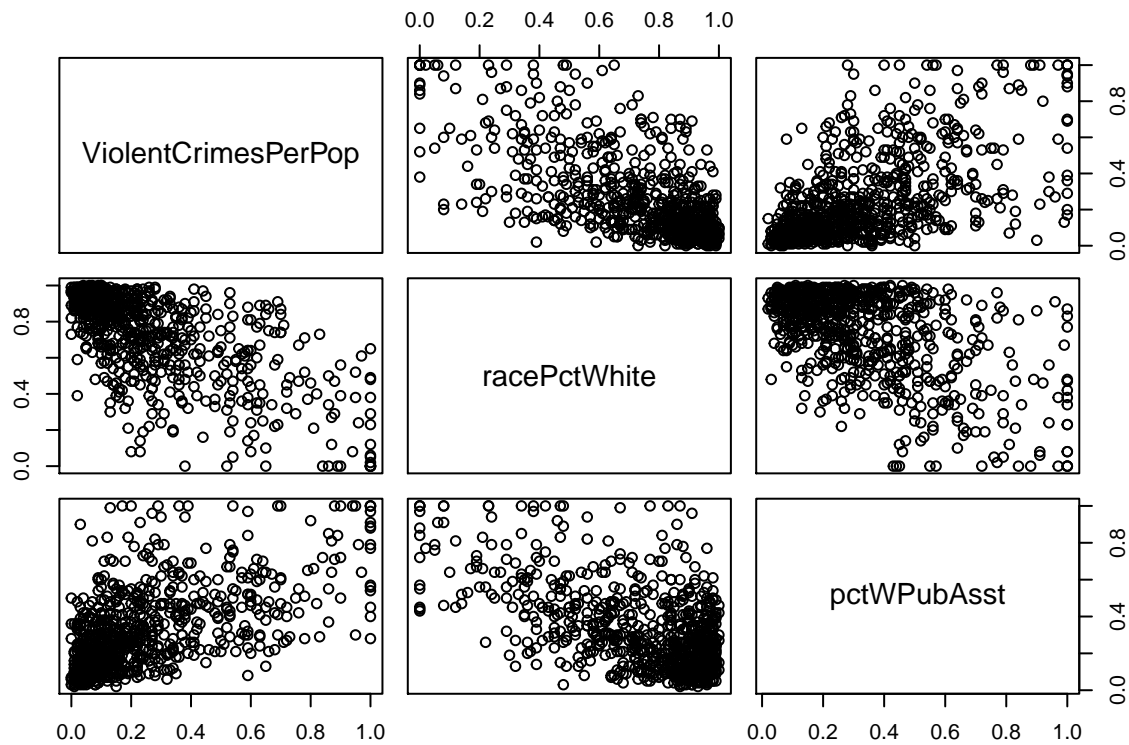
##	ViolentCrimesPerPop	PctIlleg	PctKids2Par
##	1.00000000	0.74352441	0.73929315
##	PctFam2Par	racePctWhite	PctYoungKids2Par
##	0.70528060	0.68885560	0.66897706
##	PctTeen2Par	racepctblack	pctWPubAsst
##	0.65329249	0.61396953	0.59227263
##	pctWInvInc	TotalPctDiv	FemalePctDiv
##	0.57620572	0.56515609	0.56419032
##	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	

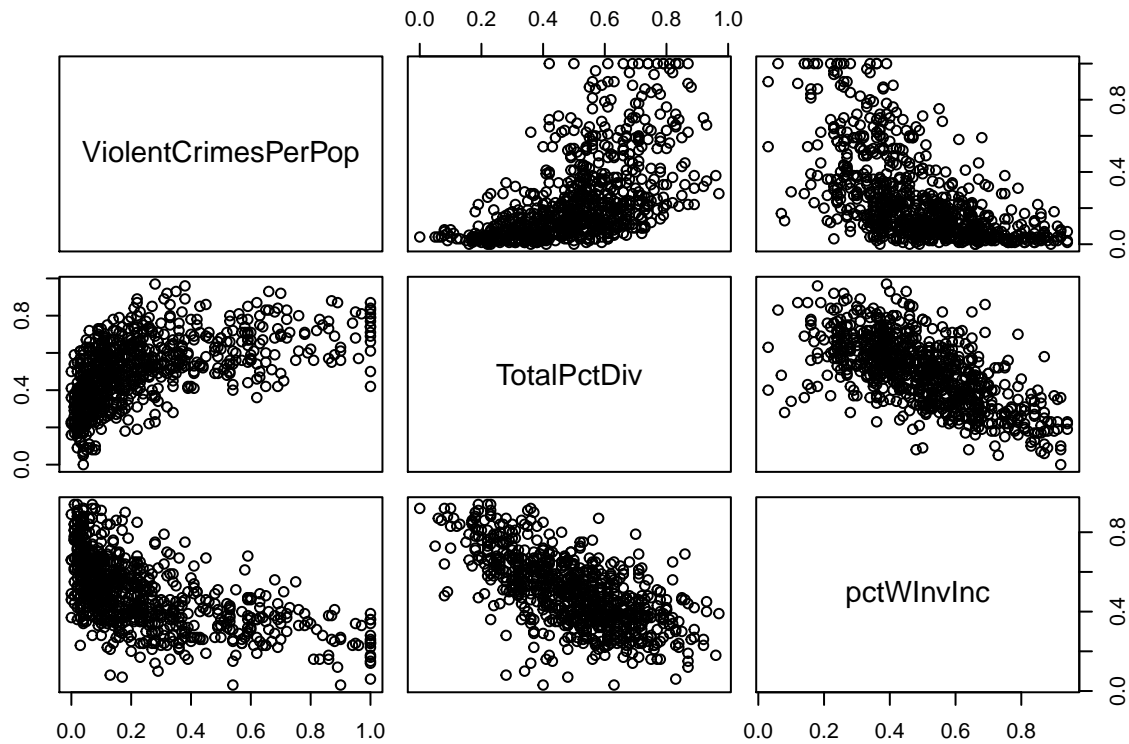
```
pairs(~ViolentCrimesPerPop + PctIlleg + PctKids2Par, d_cleaned)
```



```
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

## 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	

## 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

## 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

## 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

## 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



## 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

## 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
##				
## population	PctOccupManu	PctOccupMgmtProf	MalePctDivorce	
## householdsize	-0.02	-0.03	0.24	
## racepctblack	0.01	-0.01	-0.47	
## racePctWhite	0.24	-0.19	0.38	
## racePctAsian	-0.25	0.23	-0.34	
## racePctHisp	-0.27	0.28	-0.10	
## agePct12t21	0.21	-0.28	0.11	
## agePct12t29	0.09	-0.08	-0.22	
## agePct16t24	0.06	-0.12	0.01	
## agePct65up	0.00	-0.02	-0.10	
## numbUrban	0.17	-0.15	0.18	
## pctUrban	-0.04	-0.02	0.23	
## medIncome	-0.27	0.19	0.00	
## pctWWage	-0.63	0.75	-0.58	
## pctWFarmSelf	-0.39	0.39	-0.36	
## pctWInvInc	-0.09	0.10	-0.19	
## pctWSocSec	-0.69	0.79	-0.60	
## pctWPubAsst	0.33	-0.31	0.17	
## pctWRetire	0.60	-0.59	0.47	
## medFamInc	-0.02	-0.07	0.00	
## perCapInc	-0.68	0.82	-0.57	
	-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

## 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

## 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

## 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

## 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

## 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

## 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

## 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
## PctW0FullPlumb	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
## PctWOFullPlumb	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

## 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

## 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_cleaned)
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*pctWPubAsst, d_cleaned)
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
```

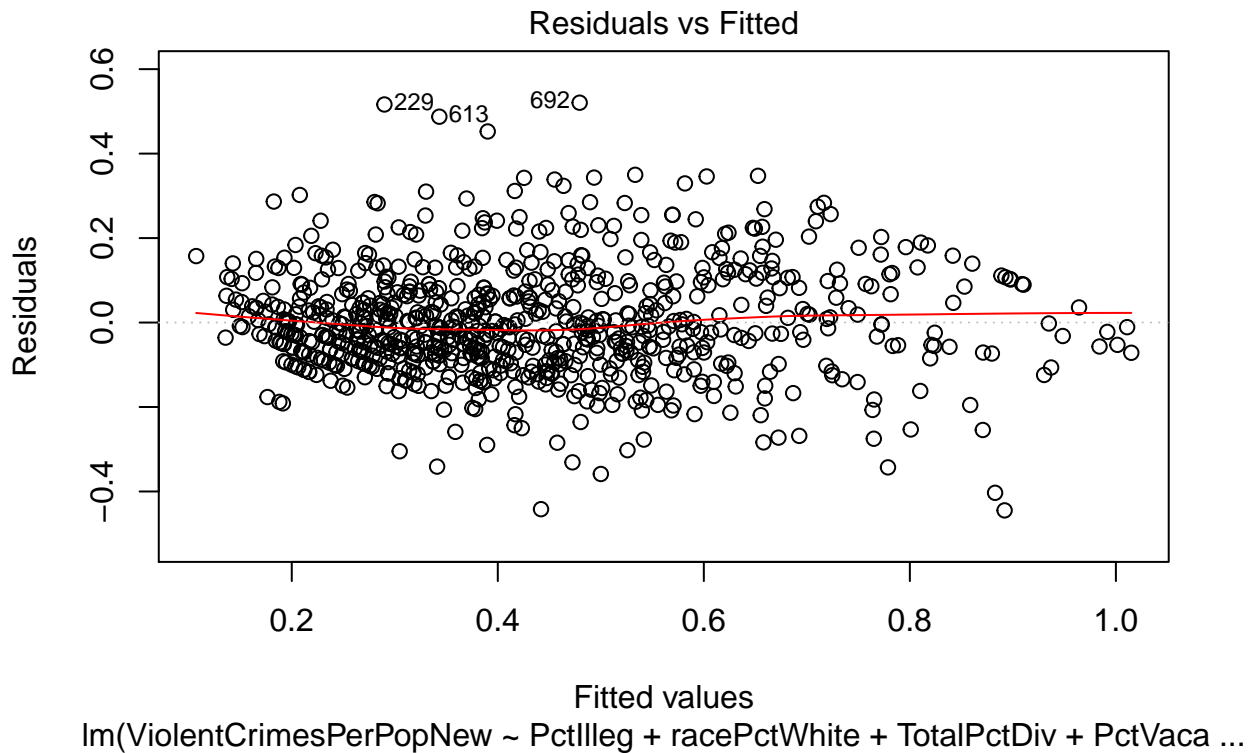
## Final Model Diagnostics

```
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 ***
```

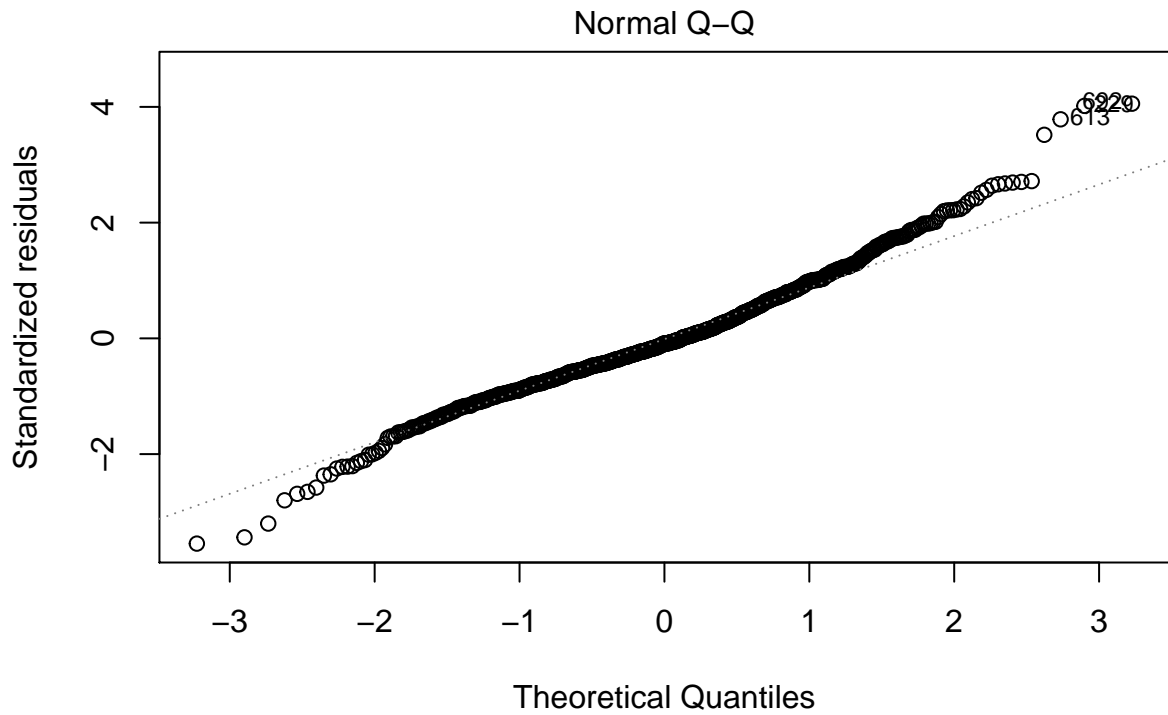
```
## PctNotHSGrad          0.11257    0.02925    3.848 0.000129 ***
## racePctWhite:PctVacantBoarded 0.13668    0.07222    1.893 0.058780 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1291 on 791 degrees of freedom
## Multiple R-squared: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

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



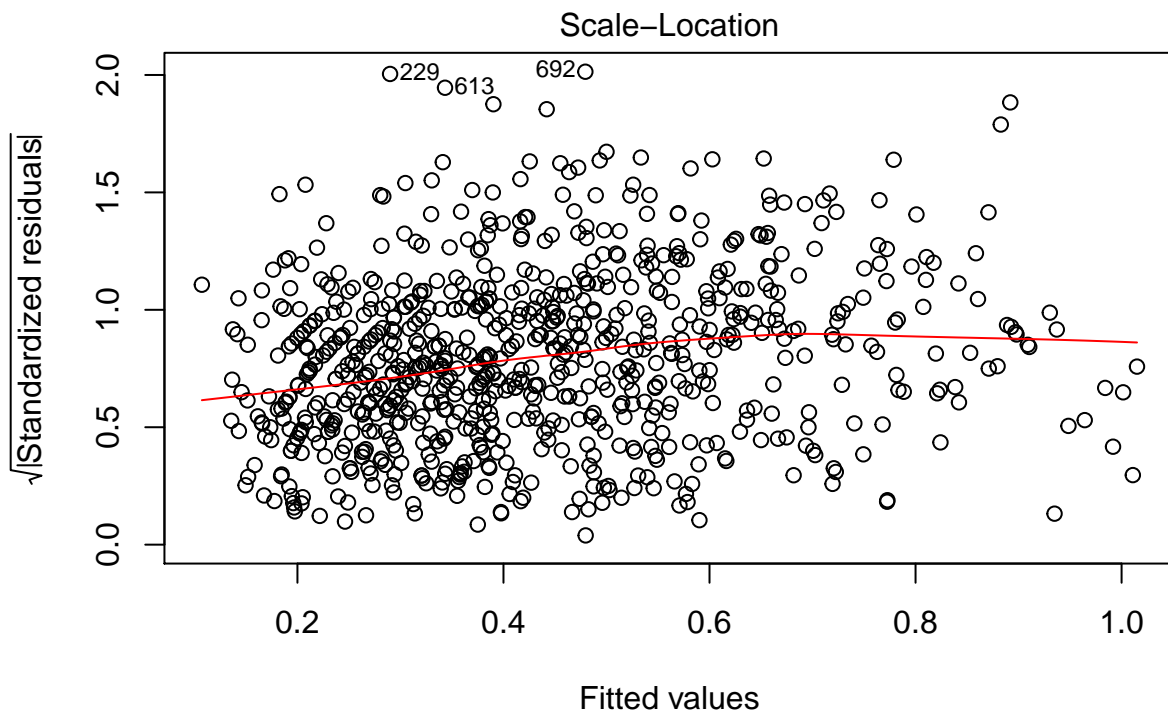
```
plot(m, 2)
```





lm(ViolentCrimesPerPopNew ~ PctIlleg + racePctWhite + TotalPctDiv + PctVaca ...

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



lm(ViolentCrimesPerPopNew ~ PctIlleg + racePctWhite + TotalPctDiv + PctVaca ...

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

