```
*FACHS MEASURES FOR CRIMINOLOGY ARTICLE.
*VARIABLE CREATION.

*CREATES prisonviolenceDv
generate prisonviolenceDV = PRVQ1 + PRVQ2 + PRVQ3 + PRVQ4

*CREATES STREETCODE.
generate streetcodeIV = SCBv1 + SCBv2 + SCBv3 + SCBv4 + SCBv5 + SCBv6 + SCBv7

*CREATES CONCENTRATED DISADVANTAGE. A CONSTANT OF 10 WAS ADDED TO REMOVE Negative values.
 generate ndisavantaged = CDISADVANTw1 + 10

*CREATES THE Family Structure.
recode FamStruG4E5 (1=1) (2=0), gen (Fam_Structure)

*The missing values were replaced with their mean from the column.*
*The mdesc command shows the number & percent of missing data for a variable*
. mdesc Fam_Structure
    Variable    |     Missing          Total     Percent Missing
----------------+-----------------------------------------------
   Fam_Struct~e |           6            219           2.74
----------------+-----------------------------------------------
*There were 2.74% of cases missing on the Family Structure variable.*
. tabstat Fam_Structure, statistics(mean sd min max count) columns(statistics)
    variable |      mean        sd       min       max         N
-------------+--------------------------------------------------
Fam_Struct~e |  .4225352  .4951264         0         1       213
------------------------------------------------------------------
*TO MEAN SUBSTITUTE THE FOLLOWING WAS DONE.
replace Fam_Structure = .4225352 if missing(Fam_Structure)

*CREATES Family SocioEconomic Status.
generate FamSES = FamSESQ14

*CREATES THE MALES MEASURE.
recode GENDQ9 (1=1) (2=0), gen(MALES)

*The missing values were replaced with their mean from the column.*
*The mdesc command shows the number & percent of missing data for a variable*
. mdesc MALES
    Variable    |     Missing          Total     Percent Missing
----------------+-----------------------------------------------
          MALES |          11            219           5.02
----------------+-----------------------------------------------
*There were 5% of cases missing on the Males variable.*
. tabstat MALES, statistics(mean sd min max count) columns(statistics)
    variable |      mean        sd       min       max         N
-------------+--------------------------------------------------
       MALES |  .5336538  .5000697         0         1       208
------------------------------------------------------------------
*TO MEAN SUBSTITUTE THE FOLLOWING WAS DONE.
replace MALES = .5336538 if missing(MALES)

*CREATES PRIOR VIOLENT OFFENDING.
recode OFFENDQ1 (1=0) (2/5 = 1), gen (pviolentoffend)

*CREATES URBAN MEASURE.
recode URBANL10a (1=0) (2=1), gen (urbanL)
```

```
*CREATES SOUTHERN MEASURE.
recode SOUTHERNL10b (1=0) (2=1), gen(southL)

*CREATES VIOLENT CONVICTIONS.
recode VIOCONVICTQ52a (0=0) (1=1), gen(violentconvi)

*CREATES PROPERTY CONVICTIONS.
recode PROPCONVICTQ52b (0=0) (2=1), gen(propconvict)

*CREATES DRUGS CONVICTIONS.
recode DRUGSCONVICTQ52c  (0=0) (4=1), gen(Drugs)

*CREATES SUPERVISION VIOLATIONS MEASURE.
recode PRPVCONVICTQ52d (0=0) (7=1), gen (Super_convicti)

*The missing values were replaced with their mean from the column.*
*The mdesc command shows the number & percent of missing data for a variable*
. mdesc Super_convicti
    Variable    |     Missing          Total     Percent Missing
----------------+-----------------------------------------------
   Super_conv~i |           6            219           2.74
----------------+-----------------------------------------------
*There were 2.74% of cases missing on the Supervision Violations variable.*
. tabstat Super_convicti, statistics(mean sd min max count) columns(statistics)
    variable |      mean        sd       min       max         N
-------------+--------------------------------------------------
Super_conv~i |  .2394366  .4277449         0         1       213
----------------------------------------------------------------
*TO MEAN SUBSTITUTE THE FOLLOWING WAS DONE.
replace Super_convicti = .2394366 if missing(Super_convicti)

*CREATES THE OTHER CONVICTION MEASURE.
recode OTHERCONVICT52e (0=0) (6=1), gen(other_convict)

*CREATES MONTHS INCARCERATED MEASURE.
generate months_incar1 = MTHSJLPRQ89
*The missing values were replaced with their mean from the column.*
*The mdesc command shows the number & percent of missing data for a variable*
 mdesc months_incar1
    Variable    |     Missing          Total     Percent Missing
----------------+-----------------------------------------------
   months_inc~1 |           7            219           3.20
----------------+-----------------------------------------------
*There were 3.2% of cases missing on the Months Incarcerated variable.*
. tabstat months_incar1, statistics(mean sd min max count) columns(statistics)
    variable |      mean        sd       min       max         N
-------------+--------------------------------------------------
months_inc~1 |  7.688679  5.350047         1        18       212
----------------------------------------------------------------
*TO MEAN SUBSTITUTE THE FOLLOWING WAS DONE.
replace months_incar1 = 7.688679 if missing(months_incar1)

*CREATES PRIOR INCARCERTAION MEASURE.
recode JDETENTIONQ40c (1=0) (2=1), gen(pincarcerations)

*CREATES LACK OF EDUCATION TRAINING.
generate Lackeducatpart = EDUADVQ1a + EDUVOCQ1b
```

```
*CREATES LACK OF RELIGION.
generate Lackreligion = RELIGIONQ1

*CREATES LACK OF FAMILY SUPPORT MEASURE.
generate LackFamSup = FAMVISTQ1a + FAMPHONQ1b + FAMLETTRQ1c

*CREATES DISCIPLINARY MEASURE.
recode DISCIPLIQ16 (2=0) (1=1), gen (Disciplinary)

*CREATES GANG MEASURE.
recode GANGQ18 (1=1) (2=0), gen(Gang)

*RUNNING DESCRIPTIVE STATISTICS IN TABLE 1*
tabstat prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL violentconvi propconvict Drugs Super_convicti other_convict
months_incar1 pincarcerations Lackeducatpart Lackreligion LackFamSup Disciplinary Gang,
statistics(mean sd min max count) columns(statistics) format(%9.3f)
```

variable	mean	sd	min	max	N
prisonviol~V	2.132	3.466	0.000	12.000	219.000
streetcodeIV	18.562	3.789	7.000	28.000	219.000
ndisavanta~d	17.919	4.482	1.011	25.624	219.000
FamSES	13.753	3.934	0.000	24.000	219.000
Fam_Struct~e	0.423	0.488	0.000	1.000	219.000
MALES	0.534	0.487	0.000	1.000	219.000
pviolentof~d	0.338	0.474	0.000	1.000	219.000
urbanL	0.603	0.490	0.000	1.000	219.000
southL	0.443	0.498	0.000	1.000	219.000
violentconvi	0.068	0.253	0.000	1.000	219.000
propconvict	0.301	0.460	0.000	1.000	219.000
Drugs	0.251	0.435	0.000	1.000	219.000
Super_conv~i	0.239	0.422	0.000	1.000	219.000
other_conv~t	0.137	0.345	0.000	1.000	219.000
months_inc~1	7.689	5.263	1.000	18.000	219.000
pincarcera~s	0.283	0.452	0.000	1.000	219.000
Lackeducat~t	5.521	1.551	2.000	8.000	219.000
Lackreligion	4.708	1.537	1.000	6.000	219.000
LackFamSup	6.854	2.654	3.000	12.000	219.000
Disciplinary	0.192	0.395	0.000	1.000	219.000
Gang	0.187	0.391	0.000	1.000	219.000

```
*MULTIVARIATE ANALYSES - NEGATIVE BINOMIAL REGRESSIONS.

*In Models 1-4 of Table 2, there are two models estimated. The first model produces the
b`s. The second model produces the incident rate ratio (irr) which is equivalent to the
Exp(B) in the for negative binominal models.*

*TABLE 2 - MODEL 1 - BASELINE MODEL.
nbreg prisonviolenceDV streetcodeIV, dispersion(mean) cformat(%9.3f)

Fitting Poisson model:
Iteration 0:   log likelihood = -569.20753
Iteration 1:   log likelihood = -569.20753
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -376.07548
Iteration 1:   log likelihood = -373.64248
Iteration 2:   log likelihood = -373.31253
Iteration 3:   log likelihood = -373.31157
Iteration 4:   log likelihood = -373.31157

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(1)        =      27.09
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -373.31157                     Pseudo R2         =     0.0350
------------------------------------------------------------------------------
prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |       0.189      0.036     5.22   0.000         0.118       0.260
           _cons |      -2.995      0.700    -4.28   0.000        -4.368      -1.623
-----------------+------------------------------------------------------------
        /lnalpha |       1.077      0.159                          0.765       1.389
-----------------+------------------------------------------------------------
           alpha |       2.936      0.467                          2.150       4.009
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 391.79                Prob >= chibar2 = 0.000
```

```
*TABLE 2 - MODEL 1 - BASELINE MODEL  (IRR).
nbreg prisonviolenceDV streetcodeIV, dispersion(mean) irr cformat(%9.3f)

Fitting Poisson model:
Iteration 0:   log likelihood = -569.20753
Iteration 1:   log likelihood = -569.20753
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -376.07548
Iteration 1:   log likelihood = -373.64248
Iteration 2:   log likelihood = -373.31253
Iteration 3:   log likelihood = -373.31157
Iteration 4:   log likelihood = -373.31157

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(1)        =      27.09
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -373.31157                     Pseudo R2         =     0.0350
------------------------------------------------------------------------------
prisonviolenceDV |        IRR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |      1.208      0.044     5.22   0.000        1.125       1.297
           _cons |      0.050      0.035    -4.28   0.000        0.013       0.197
-----------------+------------------------------------------------------------
        /lnalpha |      1.077      0.159                         0.765       1.389
-----------------+------------------------------------------------------------
           alpha |      2.936      0.467                         2.150       4.009
------------------------------------------------------------------------------
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline incidence rate.
LR test of alpha=0: chibar2(01) = 391.79               Prob >= chibar2 = 0.000
```

```
*TABLE 2 - MODEL 2
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL, dispersion(mean) cformat(%9.3f)

Fitting Poisson model:
Iteration 0:   log likelihood = -425.71654
Iteration 1:   log likelihood = -425.54894
Iteration 2:   log likelihood = -425.54887
Iteration 3:   log likelihood = -425.54887
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -365.09704
Iteration 1:   log likelihood = -346.07913
Iteration 2:   log likelihood = -344.19335
Iteration 3:   log likelihood = -344.18191
Iteration 4:   log likelihood =  -344.1819

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(8)        =      85.35
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood =  -344.1819                     Pseudo R2         =     0.1103
------------------------------------------------------------------------------
prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |       0.150      0.031     4.83   0.000        0.089       0.211
   ndisavantaged |       0.163      0.029     5.65   0.000        0.106       0.220
          FamSES |      -0.008      0.032    -0.26   0.793       -0.072       0.055
   Fam_Structure |       0.330      0.237     1.39   0.163       -0.134       0.795
           MALES |       0.743      0.264     2.82   0.005        0.226       1.259
  pviolentoffend |       0.648      0.225     2.88   0.004        0.207       1.088
          urbanL |      -0.325      0.227    -1.43   0.152       -0.769       0.120
          southL |       0.100      0.227     0.44   0.660       -0.345       0.545
           _cons |      -6.129      0.974    -6.29   0.000       -8.037      -4.220
-----------------+------------------------------------------------------------
        /lnalpha |       0.434      0.198                         0.047       0.822
-----------------+------------------------------------------------------------
           alpha |       1.544      0.305                         1.048       2.275
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 162.73              Prob >= chibar2 = 0.000
```

```
*TABLE 2 - MODEL 2 (IRR)
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL, dispersion(mean) irr cformat(%9.3f)

Fitting Poisson model:
Iteration 0:   log likelihood = -425.71654
Iteration 1:   log likelihood = -425.54894
Iteration 2:   log likelihood = -425.54887
Iteration 3:   log likelihood = -425.54887
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -365.09704
Iteration 1:   log likelihood = -346.07913
Iteration 2:   log likelihood = -344.19335
Iteration 3:   log likelihood = -344.18191
Iteration 4:   log likelihood =  -344.1819

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(8)        =      85.35
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood =  -344.1819                     Pseudo R2         =     0.1103
------------------------------------------------------------------------------
prisonviolenceDV |        IRR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |      1.162      0.036     4.83   0.000        1.093       1.236
   ndisavantaged |      1.177      0.034     5.65   0.000        1.112       1.246
          FamSES |      0.992      0.032    -0.26   0.793        0.931       1.056
   Fam_Structure |      1.392      0.330     1.39   0.163        0.874       2.215
           MALES |      2.102      0.554     2.82   0.005        1.254       3.523
  pviolentoffend |      1.911      0.430     2.88   0.004        1.230       2.969
          urbanL |      0.723      0.164    -1.43   0.152        0.463       1.128
          southL |      1.105      0.251     0.44   0.660        0.708       1.724
           _cons |      0.002      0.002    -6.29   0.000        0.000       0.015
-----------------+------------------------------------------------------------
        /lnalpha |      0.434      0.198                      0.047       0.822
-----------------+------------------------------------------------------------
           alpha |      1.544      0.305                      1.048       2.275
------------------------------------------------------------------------------
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline incidence rate.
LR test of alpha=0: chibar2(01) = 162.73              Prob >= chibar2 = 0.000
```

```
*TABLE 2 - MODEL 3.
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL violentconvi Drugs Super_convicti other_convict
months_incar1 pincarcerations, dispersion(mean) cformat(%9.3f)

Fitting Poisson model:
Iteration 0:   log likelihood = -399.30547
Iteration 1:   log likelihood = -383.86801
Iteration 2:   log likelihood = -383.83168
Iteration 3:   log likelihood = -383.83167
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -361.59092
Iteration 1:   log likelihood = -352.30273
Iteration 2:   log likelihood = -339.75483
Iteration 3:   log likelihood = -332.33728
Iteration 4:   log likelihood = -331.31292
Iteration 5:   log likelihood = -331.28556
Iteration 6:   log likelihood = -331.28555

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(14)       =     111.14
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -331.28555                     Pseudo R2         =     0.1436
------------------------------------------------------------------------------
prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |      0.132      0.030     4.36   0.000        0.073       0.191
   ndisavantaged |      0.133      0.029     4.57   0.000        0.076       0.190
          FamSES |     -0.014      0.030    -0.49   0.625       -0.072       0.043
   Fam_Structure |      0.281      0.231     1.22   0.222       -0.171       0.734
           MALES |      0.638      0.248     2.58   0.010        0.153       1.124
  pviolentoffend |      0.524      0.212     2.47   0.013        0.108       0.939
          urbanL |     -0.211      0.215    -0.98   0.327       -0.632       0.211
          southL |      0.116      0.224     0.52   0.605       -0.324       0.556
    violentconvi |      0.764      0.341     2.24   0.025        0.095       1.432
           Drugs |      0.295      0.276     1.07   0.284       -0.245       0.835
  Super_convicti |     -0.150      0.254    -0.59   0.555       -0.648       0.348
   other_convict |     -0.568      0.347    -1.64   0.102       -1.249       0.113
   months_incar1 |      0.067      0.023     2.85   0.004        0.021       0.113
 pincarcerations |      0.608      0.232     2.62   0.009        0.152       1.063
           _cons |     -5.926      0.919    -6.45   0.000       -7.728      -4.124
-----------------+------------------------------------------------------------
         /lnalpha |      0.107      0.225                      -0.335       0.549
-----------------+------------------------------------------------------------
           alpha |      1.113      0.251                       0.716       1.731
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 105.09              Prob >= chibar2 = 0.000
```

```
*TABLE 2 - MODEL 3 (IRR)
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL violentconvi Drugs Super_convicti other_convict
months_incar1 pincarcerations, dispersion(mean) irr cformat(%9.3f)

Fitting Poisson model:
Iteration 0:   log likelihood = -399.30547
Iteration 1:   log likelihood = -383.86801
Iteration 2:   log likelihood = -383.83168
Iteration 3:   log likelihood = -383.83167
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -361.59092
Iteration 1:   log likelihood = -352.30273
Iteration 2:   log likelihood = -339.75483
Iteration 3:   log likelihood = -332.33728
Iteration 4:   log likelihood = -331.31292
Iteration 5:   log likelihood = -331.28556
Iteration 6:   log likelihood = -331.28555

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(14)       =     111.14
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -331.28555                     Pseudo R2         =     0.1436
------------------------------------------------------------------------------
prisonviolenceDV |        IRR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |      1.141      0.034     4.36   0.000        1.075       1.210
   ndisavantaged |      1.143      0.033     4.57   0.000        1.079       1.210
          FamSES |      0.986      0.029    -0.49   0.625        0.930       1.044
   Fam_Structure |      1.325      0.306     1.22   0.222        0.843       2.083
           MALES |      1.893      0.469     2.58   0.010        1.165       3.076
  pviolentoffend |      1.688      0.358     2.47   0.013        1.114       2.558
          urbanL |      0.810      0.174    -0.98   0.327        0.531       1.234
          southL |      1.123      0.252     0.52   0.605        0.723       1.744
    violentconvi |      2.146      0.731     2.24   0.025        1.100       4.185
           Drugs |      1.343      0.370     1.07   0.284        0.783       2.305
  Super_convicti |      0.861      0.219    -0.59   0.555        0.523       1.416
   other_convict |      0.566      0.197    -1.64   0.102        0.287       1.119
   months_incar1 |      1.069      0.025     2.85   0.004        1.021       1.119
 pincarcerations |      1.836      0.426     2.62   0.009        1.165       2.894
           _cons |      0.003      0.002    -6.45   0.000        0.000       0.016
-----------------+------------------------------------------------------------
        /lnalpha |      0.107      0.225                      -0.335       0.549
-----------------+------------------------------------------------------------
           alpha |      1.113      0.251                       0.716       1.731
------------------------------------------------------------------------------
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline incidence rate.
LR test of alpha=0: chibar2(01) = 105.09              Prob >= chibar2 = 0.000
```

```
*TABLE 2 - MODEL 4.
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL violentconvi Drugs Super_convicti other_convict
months_incar1 pincarcerations Lackeducatpart Lackreligion LackFamSup Disciplinary Gang,
dispersion(mean) cformat(%9.3f)
Fitting Poisson model:
Iteration 0:   log likelihood = -378.40402
Iteration 1:   log likelihood = -354.30958
Iteration 2:   log likelihood = -354.02289
Iteration 3:   log likelihood = -354.02246
Iteration 4:   log likelihood = -354.02246
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -358.18601  (not concave)
Iteration 1:   log likelihood =  -331.3611
Iteration 2:   log likelihood = -310.69875
Iteration 3:   log likelihood = -310.20179
Iteration 4:   log likelihood = -310.19813
Iteration 5:   log likelihood = -310.19813

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(19)       =     153.32
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -310.19813                     Pseudo R2         =     0.1982
------------------------------------------------------------------------------
prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |       0.127      0.029     4.37   0.000         0.070       0.184
   ndisavantaged |       0.107      0.028     3.82   0.000         0.052       0.163
          FamSES |       0.022      0.029     0.75   0.454        -0.035       0.079
   Fam_Structure |       0.303      0.226     1.34   0.180        -0.140       0.747
           MALES |       0.580      0.233     2.49   0.013         0.124       1.036
  pviolentoffend |       0.711      0.211     3.36   0.001         0.297       1.125
          urbanL |      -0.348      0.208    -1.67   0.095        -0.757       0.060
          southL |      -0.082      0.217    -0.38   0.705        -0.508       0.344
    violentconvi |       0.655      0.316     2.07   0.038         0.036       1.274
           Drugs |       0.142      0.258     0.55   0.582        -0.364       0.648
  Super_convicti |      -0.264      0.257    -1.03   0.303        -0.768       0.239
   other_convict |      -0.283      0.347    -0.81   0.415        -0.962       0.397
   months_incar1 |       0.070      0.025     2.81   0.005         0.021       0.119
 pincarcerations |       0.530      0.224     2.37   0.018         0.091       0.968
  Lackeducatpart |      -0.089      0.058    -1.53   0.126        -0.202       0.025
    Lackreligion |       0.086      0.077     1.12   0.264        -0.064       0.236
      LackFamSup |       0.089      0.044     2.04   0.041         0.004       0.174
    Disciplinary |       0.613      0.253     2.43   0.015         0.118       1.109
            Gang |       1.434      0.254     5.65   0.000         0.937       1.932
           _cons |      -6.801      1.115    -6.10   0.000        -8.986      -4.617
-----------------+------------------------------------------------------------
       /lnalpha |      -0.217      0.236                        -0.680       0.246
-----------------+------------------------------------------------------------
          alpha |       0.805      0.190                         0.507       1.279
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 87.65                Prob >= chibar2 = 0.000
```

```
*TABLE 2 - MODEL 4 (IRR).
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend
urbanL southL violentconvi Drugs Super_convicti other_convict months_incar1 pincarcerations
Lackeducatpart Lackreligion LackFamSup Disciplinary Gang, dispersion(mean) irr cformat(%9.3f)
Fitting Poisson model:
Iteration 0:   log likelihood = -378.40402
Iteration 1:   log likelihood = -354.30958
Iteration 2:   log likelihood = -354.02289
Iteration 3:   log likelihood = -354.02246
Iteration 4:   log likelihood = -354.02246
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -358.18601  (not concave)
Iteration 1:   log likelihood =  -331.3611
Iteration 2:   log likelihood = -310.69875
Iteration 3:   log likelihood = -310.20179
Iteration 4:   log likelihood = -310.19813
Iteration 5:   log likelihood = -310.19813

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(19)       =     153.32
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -310.19813                     Pseudo R2         =     0.1982
------------------------------------------------------------------------------
prisonviolenceDV |        IRR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
    streetcodeIV |      1.135      0.033     4.37   0.000        1.072       1.202
   ndisavantaged |      1.113      0.031     3.82   0.000        1.054       1.176
          FamSES |      1.022      0.030     0.75   0.454        0.965       1.082
   Fam_Structure |      1.354      0.306     1.34   0.180        0.869       2.110
           MALES |      1.786      0.416     2.49   0.013        1.131       2.819
  pviolentoffend |      2.036      0.430     3.36   0.001        1.346       3.080
          urbanL |      0.706      0.147    -1.67   0.095        0.469       1.062
          southL |      0.921      0.200    -0.38   0.705        0.602       1.410
    violentconvi |      1.925      0.608     2.07   0.038        1.036       3.575
           Drugs |      1.153      0.297     0.55   0.582        0.695       1.911
  Super_convicti |      0.768      0.197    -1.03   0.303        0.464       1.270
   other_convict |      0.754      0.261    -0.81   0.415        0.382       1.488
   months_incar1 |      1.073      0.027     2.81   0.005        1.022       1.127
 pincarcerations |      1.698      0.380     2.37   0.018        1.096       2.633
  Lackeducatpart |      0.915      0.053    -1.53   0.126        0.817       1.025
    Lackreligion |      1.089      0.083     1.12   0.264        0.938       1.266
      LackFamSup |      1.093      0.048     2.04   0.041        1.004       1.191
    Disciplinary |      1.846      0.467     2.43   0.015        1.125       3.030
            Gang |      4.197      1.065     5.65   0.000        2.552       6.901
           _cons |      0.001      0.001    -6.10   0.000        0.000       0.010
-----------------+------------------------------------------------------------
       /lnalpha |     -0.217      0.236                      -0.680       0.246
-----------------+------------------------------------------------------------
          alpha |      0.805      0.190                       0.507       1.279
------------------------------------------------------------------------------
Note: Estimates are transformed only in the first equation.
Note: _cons estimates baseline incidence rate.
LR test of alpha=0: chibar2(01) = 87.65                 Prob >= chibar2 = 0.000
```

```
*ESTIMATION OF INTERACTION EFFECTS.

**/////The interaction measures were created with residuals from the main effects.
Utilizing the residuals reduces the correlation between component variables, thus
mitigating multicollinearity. Additionally, using the residuals ensures that the
interaction term reflects the true relationship between the component variables, free
from confounding that often results from shared correlations with other
predictors.////////**

*CREATING INTERACTION TERMS UTILIZING RESIDUALS.

*CREATING RESIDUAL FOR STREETCODE.
regress streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend urbanL
southL violentconvi Drugs Super_convicti other_convict months_incar1 pincarcerations
Lackeducatpart Lackreligion LackFamSup Disciplinary Gang, cformat(%9.3f)

*This formula predicts the residual measure for streetcode that will be utilized in the
interaction.
predict residualsStreetCodeO, r
******************************

*CREATING LACK OF EDUCATIONAL TRAINING RESIDUAL.
regress Lackeducatpart streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL violentconvi Drugs Super_convicti other_convict
months_incar1 pincarcerations Lackreligion LackFamSup Disciplinary Gang, cformat(%9.3f)

*This formula predicts the residual measure for Lack of Education Training that will be
utilized in the interaction.
predict residualsLackEduO, r
********************************

*CREATING LACK OF RELIGION RESIDUAL.
regress Lackreligion streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend
urbanL southL violentconvi Drugs Super_convicti other_convict months_incar1
pincarcerations Lackeducatpart LackFamSup Disciplinary Gang, cformat(%9.3f)

*This formula predicts the residual measure for Religion that will be utilized in the
interaction.
predict residualsLackreligO, r
**********************************

* CREATING LACK OF FAMILY SUPPORT RESIDUAL.
regress LackFamSup streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend
urbanL southL violentconvi Drugs Super_convicti other_convict months_incar1
pincarcerations Lackeducatpart Lackreligion Disciplinary Gang, cformat(%9.3f)

*This formula predicts the residual measure for Lack of Family Support that will be
utilized in the interaction.
predict residualsLackfamiO, r
******************************************
```

```
*CREATING DISCIPLINARY RESIDUAL.
logistic Disciplinary streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL violentconvi Drugs Super_convicti other_convict
months_incar1 pincarcerations Lackeducatpart Lackreligion LackFamSup Gang, cformat(%9.3f)

*This formula predicts the residual measure for Discipline that will be utilized in the
interaction.
predict residualsDiscipO, r
*********************************

*CREATING RESIDUAL FOR GANGS.
logistic Gang streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend urbanL
southL violentconvi Drugs Super_convicti other_convict months_incar1 pincarcerations
Lackeducatpart Lackreligion LackFamSup Disciplinary, cformat(%9.3f)

*This formula predicts the residual measure for Gangs that will be utilized in the
interaction.
 predict residualsGangO, r
*********************************

*CREATION OF INTERACTION TERMS.
*****INTERACTION TERMS*****

. gen streetcode_LEducation = ( residualsStreetCodeO * residualsLackEduO )

. gen streetcode_LReligion = (residualsStreetCodeO * residualsLackreligO)

. gen streetcode_LFamily = (residualsStreetCodeO  * residualsLackfamiO)

. gen streetcode_Discipline = (residualsStreetCodeO  * residualsDiscipO)

. gen streetcode_Ganginvol = (residualsStreetCodeO  * residualsGangO)

*************************************************************************
```

```
***TABLE 3 - MODEL 1.
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES
pviolentoffend urbanL southL violentconvi Drugs  Super_convicti other_convict
months_incar1 pincarcerations Lackeducatpart Lackreligion LackFamSup Disciplinary Gang
streetcode_LEducation, dispersion(mean) cformat(%9.3f)
Fitting Poisson model:
Iteration 0:   log likelihood = -378.16204
Iteration 1:   log likelihood = -354.23017
Iteration 2:   log likelihood = -353.94537
Iteration 3:   log likelihood = -353.94494
Iteration 4:   log likelihood = -353.94494
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -358.26703  (not concave)
Iteration 1:   log likelihood = -331.10568
Iteration 2:   log likelihood = -309.16643
Iteration 3:   log likelihood =   -308.657
Iteration 4:   log likelihood = -308.65257
Iteration 5:   log likelihood = -308.65257

Negative binomial regression                    Number of obs     =        219
                                                LR chi2(20)       =     156.41
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -308.65257                     Pseudo R2         =     0.2022
------------------------------------------------------------------------------
     prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------------+-------------------------------------------------------
         streetcodeIV |       0.131      0.030     4.41   0.000        0.073       0.189
        ndisavantaged |       0.097      0.029     3.33   0.001        0.040       0.154
               FamSES |       0.022      0.030     0.74   0.460       -0.036       0.080
        Fam_Structure |       0.249      0.233     1.07   0.286       -0.208       0.706
                MALES |       0.558      0.236     2.36   0.018        0.095       1.022
       pviolentoffend |       0.801      0.224     3.58   0.000        0.362       1.239
               urbanL |      -0.330      0.213    -1.55   0.120       -0.747       0.086
               southL |      -0.082      0.223    -0.37   0.714       -0.518       0.355
         violentconvi |       0.611      0.322     1.90   0.058       -0.020       1.241
                Drugs |       0.139      0.264     0.53   0.599       -0.379       0.657
       Super_convicti |      -0.289      0.263    -1.10   0.271       -0.804       0.226
        other_convict |      -0.286      0.354    -0.81   0.420       -0.981       0.408
        months_incar1 |       0.079      0.026     3.02   0.003        0.028       0.130
      pincarcerations |       0.593      0.232     2.55   0.011        0.138       1.048
       Lackeducatpart |      -0.121      0.063    -1.94   0.053       -0.244       0.001
         Lackreligion |       0.106      0.080     1.33   0.182       -0.050       0.262
           LackFamSup |       0.103      0.045     2.27   0.023        0.014       0.192
         Disciplinary |       0.615      0.257     2.40   0.017        0.112       1.119
                 Gang |       1.570      0.277     5.66   0.000        1.027       2.113
streetcode_LEducation |       0.034      0.020     1.71   0.086       -0.005       0.072
                _cons |      -6.829      1.136    -6.01   0.000       -9.055      -4.604
----------------------+-------------------------------------------------------
            /lnalpha |      -0.173      0.229                        -0.622       0.275
----------------------+-------------------------------------------------------
               alpha |       0.841      0.192                         0.537       1.317
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 90.58                Prob >= chibar2 = 0.000
```

```
***TABLE 3 - MODEL 2.
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend
urbanL southL violentconvi Drugs  Super_convicti other_convict months_incar1 pincarcerations
Lackeducatpart Lackreligion LackFamSup Disciplinary Gang streetcode_LReligion,
dispersion(mean) cformat(%9.3f)
Fitting Poisson model:
Iteration 0:   log likelihood = -376.32705
Iteration 1:   log likelihood = -351.05525
Iteration 2:   log likelihood = -350.76458
Iteration 3:   log likelihood = -350.76421
Iteration 4:   log likelihood = -350.76421
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -358.12431  (not concave)
Iteration 1:   log likelihood = -330.55928
Iteration 2:   log likelihood = -310.29544
Iteration 3:   log likelihood = -309.79986
Iteration 4:   log likelihood = -309.79661
Iteration 5:   log likelihood = -309.79661
Negative binomial regression                    Number of obs     =        219
                                                LR chi2(20)       =     154.12
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -309.79661                     Pseudo R2         =     0.1992
------------------------------------------------------------------------------
    prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------------+--------------------------------------------------------
        streetcodeIV |       0.124      0.029     4.28   0.000         0.067       0.181
       ndisavantaged |       0.104      0.028     3.71   0.000         0.049       0.159
              FamSES |       0.024      0.029     0.82   0.411        -0.033       0.081
       Fam_Structure |       0.298      0.225     1.32   0.186        -0.143       0.739
              MALES |       0.614      0.235     2.61   0.009         0.154       1.075
      pviolentoffend |       0.721      0.211     3.42   0.001         0.308       1.134
              urbanL |      -0.320      0.209    -1.53   0.126        -0.729       0.090
              southL |      -0.086      0.216    -0.40   0.689        -0.510       0.337
        violentconvi |       0.667      0.314     2.12   0.034         0.051       1.283
               Drugs |       0.150      0.256     0.59   0.558        -0.352       0.652
      Super_convicti |      -0.285      0.257    -1.11   0.268        -0.788       0.219
       other_convict |      -0.278      0.345    -0.80   0.421        -0.954       0.399
       months_incar1 |       0.066      0.025     2.63   0.008         0.017       0.116
     pincarcerations |       0.499      0.224     2.23   0.026         0.060       0.939
      Lackeducatpart |      -0.084      0.058    -1.45   0.147        -0.197       0.029
        Lackreligion |       0.099      0.078     1.27   0.205        -0.054       0.252
          LackFamSup |       0.076      0.046     1.66   0.096        -0.014       0.166
        Disciplinary |       0.620      0.252     2.46   0.014         0.125       1.114
                Gang |       1.422      0.252     5.64   0.000         0.928       1.916
streetcode_LReligion |      -0.022      0.025    -0.89   0.373        -0.071       0.027
               _cons |      -6.723      1.111    -6.05   0.000        -8.900      -4.546
---------------------+--------------------------------------------------------
           /lnalpha |      -0.240      0.240                        -0.710       0.230
---------------------+--------------------------------------------------------
              alpha |       0.787      0.189                         0.492       1.258
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 81.94                Prob >= chibar2 = 0.000
```

```
***TABLE 3 - MODEL 3.
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend urbanL
southL violentconvi Drugs Super_convicti other_convict months_incar1 pincarcerations Lackeducatpart
Lackreligion LackFamSup Disciplinary Gang streetcode_LFamily, dispersion(mean) cformat(%9.3f)
Fitting Poisson model:
Iteration 0:   log likelihood = -381.06212
Iteration 1:   log likelihood =  -353.8877
Iteration 2:   log likelihood = -353.52145
Iteration 3:   log likelihood = -353.52124
Iteration 4:   log likelihood = -353.52124
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -358.35233  (not concave)
Iteration 1:   log likelihood = -329.97078
Iteration 2:   log likelihood = -329.46697  (not concave)
Iteration 3:   log likelihood = -314.43548
Iteration 4:   log likelihood =  -310.2399
Iteration 5:   log likelihood = -310.08962
Iteration 6:   log likelihood = -310.08825
Iteration 7:   log likelihood = -310.08825
Negative binomial regression                    Number of obs     =        219
                                                LR chi2(20)       =     153.54
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -310.08825                     Pseudo R2         =     0.1984
------------------------------------------------------------------------------
  prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------------+----------------------------------------------------------------
       streetcodeIV |      0.125      0.029     4.27   0.000        0.068       0.183
     ndisavantaged |      0.104      0.029     3.60   0.000        0.048       0.161
            FamSES |      0.021      0.029     0.71   0.477       -0.037       0.078
     Fam_Structure |      0.295      0.227     1.30   0.194       -0.150       0.740
             MALES |      0.593      0.235     2.52   0.012        0.133       1.053
    pviolentoffend |      0.712      0.212     3.36   0.001        0.297       1.127
            urbanL |     -0.343      0.209    -1.64   0.100       -0.752       0.066
            southL |     -0.086      0.218    -0.39   0.694       -0.513       0.341
      violentconvi |      0.655      0.316     2.07   0.038        0.036       1.274
             Drugs |      0.158      0.260     0.61   0.545       -0.353       0.668
    Super_convicti |     -0.262      0.258    -1.02   0.309       -0.767       0.243
     other_convict |     -0.281      0.348    -0.81   0.420       -0.963       0.401
     months_incar1 |      0.070      0.025     2.80   0.005        0.021       0.119
   pincarcerations |      0.550      0.229     2.40   0.016        0.102       0.999
    Lackeducatpart |     -0.084      0.059    -1.42   0.154       -0.199       0.031
      Lackreligion |      0.097      0.081     1.20   0.228       -0.061       0.255
        LackFamSup |      0.084      0.045     1.85   0.064       -0.005       0.172
      Disciplinary |      0.628      0.255     2.46   0.014        0.127       1.128
              Gang |      1.415      0.256     5.52   0.000        0.913       1.917
streetcode_LFamily |      0.006      0.014     0.47   0.640       -0.020       0.033
             _cons |     -6.760      1.119    -6.04   0.000       -8.954      -4.566
-------------------+----------------------------------------------------------------
          /lnalpha |     -0.216      0.236                       -0.678       0.246
-------------------+----------------------------------------------------------------
             alpha |      0.806      0.190                        0.508       1.278
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 86.87                Prob >= chibar2 = 0.000
```

```
***TABLE 3 - MODEL 4.
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend
urbanL southL violentconvi Drugs Super_convicti other_convict months_incar1 pincarcerations
Lackeducatpart Lackreligion LackFamSup Disciplinary Gang streetcode_Discipline,
dispersion(mean) cformat(%9.3f)
Fitting Poisson model:
Iteration 0:   log likelihood = -378.64357
Iteration 1:   log likelihood = -353.51026
Iteration 2:   log likelihood = -353.19149
Iteration 3:   log likelihood = -353.19095
Iteration 4:   log likelihood = -353.19095
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -358.08305  (not concave)
Iteration 1:   log likelihood = -330.34957
Iteration 2:   log likelihood = -309.68232
Iteration 3:   log likelihood =  -309.2161
Iteration 4:   log likelihood = -309.21319
Iteration 5:   log likelihood = -309.21319
Negative binomial regression                    Number of obs     =        219
                                                LR chi2(20)       =     155.29
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -309.21319                     Pseudo R2         =     0.2007
------------------------------------------------------------------------------
     prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------------+-------------------------------------------------------
          streetcodeIV |      0.119      0.029     4.08   0.000        0.062       0.177
        ndisavantaged |      0.107      0.028     3.85   0.000        0.053       0.162
               FamSES |      0.008      0.031     0.27   0.787       -0.052       0.068
         Fam_Structure |      0.379      0.232     1.63   0.103       -0.076       0.834
                MALES |      0.541      0.233     2.32   0.020        0.084       0.998
       pviolentoffend |      0.772      0.215     3.58   0.000        0.349       1.194
               urbanL |     -0.384      0.209    -1.84   0.065       -0.793       0.025
               southL |     -0.113      0.218    -0.52   0.603       -0.540       0.314
         violentconvi |      0.637      0.312     2.04   0.042        0.025       1.249
                Drugs |      0.202      0.261     0.77   0.439       -0.310       0.714
       Super_convicti |     -0.165      0.263    -0.63   0.532       -0.681       0.351
        other_convict |     -0.237      0.347    -0.68   0.495       -0.916       0.443
        months_incar1 |      0.072      0.025     2.89   0.004        0.023       0.121
      pincarcerations |      0.477      0.224     2.13   0.033        0.038       0.915
       Lackeducatpart |     -0.100      0.058    -1.72   0.085       -0.215       0.014
         Lackreligion |      0.082      0.076     1.08   0.282       -0.067       0.231
           LackFamSup |      0.105      0.045     2.33   0.020        0.017       0.192
         Disciplinary |      0.478      0.269     1.77   0.076       -0.050       1.005
                 Gang |      1.435      0.252     5.70   0.000        0.941       1.929
streetcode_Discipline |      0.049      0.036     1.38   0.166       -0.021       0.119
                _cons |     -6.514      1.114    -5.85   0.000       -8.698      -4.330
----------------------+-------------------------------------------------------
            /lnalpha |     -0.243      0.237                        -0.707       0.222
----------------------+-------------------------------------------------------
               alpha |      0.785      0.186                         0.493       1.248
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 87.96                Prob >= chibar2 = 0.000
```

```
***TABLE 3 - MODEL 5.
nbreg prisonviolenceDV streetcodeIV ndisavantaged FamSES Fam_Structure MALES pviolentoffend
urbanL southL violentconvi Drugs Super_convicti other_convict months_incar1 pincarcerations
Lackeducatpart Lackreligion LackFamSup Disciplinary Gang streetcode_Ganginvol,
dispersion(mean) cformat(%9.3f)
Fitting Poisson model:
Iteration 0:   log likelihood =  -372.1921
Iteration 1:   log likelihood =  -348.3949
Iteration 2:   log likelihood = -348.15242
Iteration 3:   log likelihood = -348.15216
Iteration 4:   log likelihood = -348.15216
Fitting constant-only model:
Iteration 0:   log likelihood = -429.63958
Iteration 1:   log likelihood = -389.17167
Iteration 2:   log likelihood = -386.86183
Iteration 3:   log likelihood = -386.85755
Iteration 4:   log likelihood = -386.85755
Fitting full model:
Iteration 0:   log likelihood = -357.38738  (not concave)
Iteration 1:   log likelihood = -327.37818
Iteration 2:   log likelihood = -305.33739
Iteration 3:   log likelihood = -304.97141
Iteration 4:   log likelihood = -304.97007
Iteration 5:   log likelihood = -304.97007
Negative binomial regression                    Number of obs     =        219
                                                LR chi2(20)       =     163.77
Dispersion     = mean                           Prob > chi2       =     0.0000
Log likelihood = -304.97007                     Pseudo R2         =     0.2117
------------------------------------------------------------------------------
    prisonviolenceDV |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------------+--------------------------------------------------------
        streetcodeIV |       0.157      0.031     5.12   0.000        0.097       0.217
      ndisavantaged |       0.102      0.028     3.67   0.000        0.047       0.156
             FamSES |       0.007      0.029     0.24   0.807       -0.050       0.064
       Fam_Structure |       0.372      0.224     1.66   0.098       -0.068       0.812
              MALES |       0.541      0.228     2.37   0.018        0.094       0.987
     pviolentoffend |       0.784      0.206     3.81   0.000        0.381       1.188
             urbanL |      -0.383      0.203    -1.89   0.059       -0.781       0.015
             southL |      -0.137      0.213    -0.64   0.520       -0.554       0.280
       violentconvi |       0.675      0.302     2.24   0.025        0.084       1.266
              Drugs |       0.045      0.260     0.17   0.864       -0.464       0.553
     Super_convicti |      -0.163      0.252    -0.64   0.519       -0.658       0.332
      other_convict |      -0.130      0.335    -0.39   0.699       -0.787       0.527
      months_incar1 |       0.077      0.025     3.07   0.002        0.028       0.126
    pincarcerations |       0.612      0.221     2.77   0.006        0.179       1.045
     Lackeducatpart |      -0.067      0.056    -1.19   0.236       -0.177       0.044
       Lackreligion |       0.080      0.075     1.06   0.287       -0.067       0.227
         LackFamSup |       0.060      0.044     1.37   0.170       -0.026       0.146
       Disciplinary |       0.568      0.246     2.31   0.021        0.086       1.051
               Gang |       1.327      0.245     5.42   0.000        0.847       1.807
streetcode_Ganginvol |       0.127      0.040     3.17   0.001        0.049       0.205
              _cons |      -7.032      1.128    -6.23   0.000       -9.243      -4.821
---------------------+--------------------------------------------------------
           /lnalpha |      -0.321      0.236                        -0.784       0.142
---------------------+--------------------------------------------------------
              alpha |       0.725      0.171                         0.456       1.152
------------------------------------------------------------------------------
LR test of alpha=0: chibar2(01) = 86.36                Prob >= chibar2 = 0.000
             Prob >= chibar2 = 0.000
```