



```

name: <unnamed>
log: /hdir/0/jhaber/Projects/charter_data/stats_team/logs/nesting_MI_linear_042219.smcs1
log type: smc1
opened on: 24 Apr 2019, 13:44:03

```

```

1 . ** -----
2 . ** CHECK NESTING IN EACH MODEL
3 . ** -----
4 .
5 . * Best way--Check against NBREG without crossed random effects (doesn't work):
6 . *mi xeq 1: menbreg inquirycount primary middle high age students urban pctpdfs, exposure(numwords)
7 . *mi xeq 1: menbreg povertyschoolcount primary middle high age students urban pctpdfs, offset(lnstu
8 . *mi xeq 1: menbreg pocschoolcount primary middle high age students urban pctpdfs, offset(lnstudent
9 .
10 . * Next best thing--Compare rho from each of five imputations, using mixed linear models:
11 . mi xeq 1 2 3 4 5: quietly xtmixed inquiryprop primary middle high lnage lnstudents urban pctpdfs |

```

m=1 data:

```

-> quietly xtmixed inquiryprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmoname
-> xtmrho

```

Levels: _all state geodistrict

level 1

Intraclass correlation (ICC): rho1 = 0.30779

level 2

Intraclass correlation (ICC): rho2 = 0.00727

level 3

Intraclass correlation (ICC): rho3 = 0.08079

m=2 data:

```

-> quietly xtmixed inquiryprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmoname
-> xtmrho

```

Levels: _all state geodistrict

level 1

Intraclass correlation (ICC): rho1 = 0.30779

level 2

Intraclass correlation (ICC): rho2 = 0.00727

level 3

Intraclass correlation (ICC): rho3 = 0.08079

m=3 data:

```

-> quietly xtmixed inquiryprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmoname
-> xtmrho

```

Levels: _all state geodistrict

level 1

Intraclass correlation (ICC): rho1 = 0.30779

level 2

Intraclass correlation (ICC): rho2 = 0.00727

```
level 3
Intraclass correlation (ICC): rho3 = 0.08079
```

```
m=4 data:
```

```
-> quietly xtmixed inquiryprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmoname
-> xtmrho
```

```
Levels: _all state geodistrict
```

```
level 1
Intraclass correlation (ICC): rho1 = 0.30779
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.00727
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.08079
```

```
m=5 data:
```

```
-> quietly xtmixed inquiryprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmoname
-> xtmrho
```

```
Levels: _all state geodistrict
```

```
level 1
Intraclass correlation (ICC): rho1 = 0.30779
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.00727
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.08079
```

```
12. mi xeq 1 2 3 4 5: quietly xtmixed povertyschool primary middle high lnage lnstudents urban pctpdfs
```

```
m=1 data:
```

```
-> quietly xtmixed povertyschool primary middle high lnage lnstudents urban pctpdfs || _all: R.cmoname
-> xtmrho
```

```
Levels: _all state geodistrict
```

```
level 1
Intraclass correlation (ICC): rho1 = 0.14729
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.10752
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.24741
```

```
m=2 data:
```

```
-> quietly xtmixed povertyschool primary middle high lnage lnstudents urban pctpdfs || _all: R.cmoname
-> xtmrho
```

```
Levels: _all state geodistrict
```

```
level 1
Intraclass correlation (ICC): rho1 = 0.14365
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.11603
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.23740
```

m=3 data:

```
-> quietly xtmixed povertyschool primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
```

Levels: _all state geodistrict

```
level 1
Intraclass correlation (ICC): rho1 = 0.14639
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.11186
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.24410
```

m=4 data:

```
-> quietly xtmixed povertyschool primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
```

Levels: _all state geodistrict

```
level 1
Intraclass correlation (ICC): rho1 = 0.14411
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.12344
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.23587
```

m=5 data:

```
-> quietly xtmixed povertyschool primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
```

Levels: _all state geodistrict

```
level 1
Intraclass correlation (ICC): rho1 = 0.14471
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.10909
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.23711
```

13. mi xeq 1 2 3 4 5: quietly xtmixed pocschoolprop primary middle high lnage lnstudents urban pctpdfs

m=1 data:

```
-> quietly xtmixed pocschoolprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
```

Levels: _all state geodistrict

level 1

Intraclass correlation (ICC): rho1 = 0.09701

level 2

Intraclass correlation (ICC): rho2 = 0.28162

level 3

Intraclass correlation (ICC): rho3 = 0.35515

m=2 data:

```
-> quietly xtmixed pocschoolprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
```

Levels: _all state geodistrict

level 1

Intraclass correlation (ICC): rho1 = 0.09701

level 2

Intraclass correlation (ICC): rho2 = 0.28162

level 3

Intraclass correlation (ICC): rho3 = 0.35515

m=3 data:

```
-> quietly xtmixed pocschoolprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
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Levels: _all state geodistrict

level 1

Intraclass correlation (ICC): rho1 = 0.09701

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Intraclass correlation (ICC): rho2 = 0.28162

level 3

Intraclass correlation (ICC): rho3 = 0.35515

m=4 data:

```
-> quietly xtmixed pocschoolprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
```

Levels: _all state geodistrict

level 1

Intraclass correlation (ICC): rho1 = 0.09701

level 2

Intraclass correlation (ICC): rho2 = 0.28162

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level 3
Intraclass correlation (ICC): rho3 = 0.35515
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```
m=5 data:
```

```
-> quietly xtmixed pocschoolprop primary middle high lnage lnstudents urban pctpdfs || _all: R.cmona
-> xtmrho
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Levels: _all state geodistrict
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```
level 1
Intraclass correlation (ICC): rho1 = 0.09701
```

```
level 2
Intraclass correlation (ICC): rho2 = 0.28162
```

```
level 3
Intraclass correlation (ICC): rho3 = 0.35515
```

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14.
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```
15. log close
    name: <unnamed>
    log: /hdir/0/jhaber/Projects/charter_data/stats_team/logs/nesting_MI_linear_042219.smcs1
    log type: smc1
    closed on: 24 Apr 2019, 15:14:49
```
