MPLUS Syntax

Model 1

Title: NO2 - CRP - GHQ at wave 4 (E & W)

Data: File is BA\_Paper2\_noisecr.dat ;

Variable:

Names are

pidp no2a a\_urban\_dv b\_sex\_cr b\_dvage bmivg5 indnsub\_lw aPerc\_greenspace\_UKward\_RND marital\_status Degree tenure Composition asthma bronchitis cancer CVD alc\_12m CRPlog Fiblog strata psu acarstairs2011 GHQw4\_Likert GHQw4\_caseness

smoking\_cr noise\_w3;

Missing are all (-9999) ;

usevariables are no2a a\_urban\_dv b\_sex\_cr b\_dvage bmivg5 indnsub\_lw

aPerc\_greenspace\_UKward\_RND marital\_status Degree tenure Composition asthma

bronchitis cancer CVD alc\_12m CRPlog strata psu acarstairs2011

GHQw4\_caseness smoking\_cr noise\_w3;

idvariable is pidp;

STRATIFICATION = strata;

CLUSTER = psu;

WEIGHT = indnsub\_lw;

Analysis:

TYPE = COMPLEX;

ESTIMATOR = ML;

ITERATIONS = 100000;

REPSE=BOOTSTRAP;

BOOTSTRAP = 7000;

Model:

CRPlog ON aPerc\_greenspace\_UKward\_RND;

CRPlog ON no2a;

CRPlog ON acarstairs2011;

GHQw4\_caseness ON no2a;

GHQw4\_caseness ON aPerc\_greenspace\_UKward\_RND;

GHQw4\_caseness ON acarstairs2011;

GHQw4\_caseness ON CRPlog;

CRPlog GHQw4\_caseness ON b\_sex\_cr b\_dvage bmivg5 Degree alc\_12m

asthma bronchitis CVD smoking\_cr Composition tenure;

GHQw4\_caseness ON marital\_status noise\_w3 a\_urban\_dv;

CRPlog ON cancer;

CRPlog no2a GHQw4\_caseness aPerc\_greenspace\_UKward\_RND

acarstairs2011 b\_sex\_cr b\_dvage bmivg5 Degree alc\_12m asthma bronchitis CVD smoking\_cr Composition tenure cancer marital\_status noise\_w3 a\_urban\_dv;

MODEL INDIRECT:

GHQw4\_caseness IND no2a;

GHQw4\_caseness IND aPerc\_greenspace\_UKward\_RND;

GHQw4\_caseness IND acarstairs2011;

OUTPUT:

STAND CINT;! (bcbootstrap);

Model 2

Title: NO2 - Fibrinogen - GHQ at wave 4 (E & W)

Data: File is BA\_Paper2\_noisecr.dat ;

Variable:

Names are

pidp no2a a\_urban\_dv b\_sex\_cr b\_dvage bmivg5 indnsub\_lw aPerc\_greenspace\_UKward\_RND marital\_status Degree tenure Composition asthma bronchitis cancer CVD alc\_12m CRPlog Fiblog strata psu acarstairs2011 GHQw4\_Likert GHQw4\_caseness

smoking\_cr noise\_w3;

Missing are all (-9999) ;

usevariables are no2a a\_urban\_dv b\_sex\_cr b\_dvage bmivg5 indnsub\_lw

aPerc\_greenspace\_UKward\_RND marital\_status Degree tenure Composition asthma

bronchitis cancer CVD alc\_12m Fiblog strata psu acarstairs2011

GHQw4\_caseness smoking\_cr noise\_w3;

idvariable is pidp;

STRATIFICATION = strata;

CLUSTER = psu;

WEIGHT = indnsub\_lw;

Analysis:

TYPE = COMPLEX;

ESTIMATOR = ML;

ITERATIONS = 100000;

REPSE=BOOTSTRAP;

BOOTSTRAP = 7000;

Model:

Fiblog ON aPerc\_greenspace\_UKward\_RND;

Fiblog ON no2a;

Fiblog ON acarstairs2011;

GHQw4\_caseness ON no2a;

GHQw4\_caseness ON aPerc\_greenspace\_UKward\_RND;

GHQw4\_caseness ON acarstairs2011;

GHQw4\_caseness ON Fiblog;

Fiblog GHQw4\_caseness ON b\_sex\_cr b\_dvage bmivg5 Degree alc\_12m

asthma bronchitis CVD smoking\_cr Composition tenure;

GHQw4\_caseness ON marital\_status noise\_w3 a\_urban\_dv;

Fiblog ON cancer;

Fiblog no2a GHQw4\_caseness aPerc\_greenspace\_UKward\_RND

acarstairs2011 b\_sex\_cr b\_dvage bmivg5 Degree alc\_12m asthma bronchitis CVD smoking\_cr Composition tenure cancer marital\_status noise\_w3 a\_urban\_dv;

MODEL INDIRECT:

GHQw4\_caseness IND no2a;

GHQw4\_caseness IND aPerc\_greenspace\_UKward\_RND;

GHQw4\_caseness IND acarstairs2011;

OUTPUT:

STAND CINT;! (bcbootstrap);