> mirtchile2 <- mirt(chile2,1)

Iteration: 97, Log-Lik: -35256.767, Max-Change: 0.00010

> summary(mirtchile2, rotate="varimax", suppress=.31)

F1 h2

C001 0.01445

C002 0.02153

E018 0.492 0.24160

E034 0.05273

E035 0.00121

E036 0.00149

E039 0.01122

F028 0.362 0.13108

F034 0.436 0.18984

F063 -0.503 0.25350

F116 0.02700

F118 0.468 0.21925

F120 0.527 0.27791

F121 0.467 0.21775

G006 0.405 0.16394

E069\_07 0.364 0.13228

E069\_06 0.547 0.29965

E069\_12 0.05253

E069\_17 0.538 0.28921

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtchile3 <- mirt(chile3,1)

"F028" re-mapped to ensure all categories have a distance of 1

Iteration: 21, Log-Lik: -26222.251, Max-Change: 0.00009

> summary(mirtchile3, rotate="varimax", suppress=.31)

F1 h2

B008 0.04427

C001 0.03681

C002 0.04039

E018 0.345 0.11883

E034 0.02161

E035 0.00163

E036 0.00285

E039 0.01878

F028 0.477 0.22721

F034 0.611 0.37335

F063 -0.573 0.32794

F116 0.386 0.14914

F118 0.469 0.21953

F120 0.633 0.40099

F121 0.572 0.32663

G006 0.445 0.19846

E069\_07 0.00505

E069\_06 0.336 0.11265

E069\_12 0.01409

E069\_17 0.05558

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtchile4 <- mirt(chile4,1)

"F028" re-mapped to ensure all categories have a distance of 1

Iteration: 24, Log-Lik: -29297.345, Max-Change: 0.00008

> summary(mirtchile4, rotate="varimax", suppress=.31)

F1 h2

B008 0.01788

C001 0.00212

C002 0.04605

E018 0.375 0.14096

E034 0.01875

E035 0.00192

E036 0.02686

E039 0.01947

F028 0.544 0.29566

F034 0.615 0.37770

F063 -0.536 0.28769

F116 0.05582

F118 0.478 0.22806

F120 0.592 0.35013

F121 0.513 0.26325

G006 0.472 0.22284

E069\_07 0.04262

E069\_06 0.312 0.09747

E069\_12 0.02020

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtchile5 <- mirt(chile5,1)

"F028" re-mapped to ensure all categories have a distance of 1

Iteration: 28, Log-Lik: -24925.505, Max-Change: 0.00007

> summary(mirtchile5, rotate="varimax", suppress=.31)

F1 h2

B008 4.37e-03

C001 1.15e-03

C002 1.40e-02

E018 2.05e-03

E035 8.70e-03

E036 2.44e-04

E039 3.19e-05

F028 2.74e-02

F034 3.57e-02

F063 2.42e-05

F116 1.22e-02

F118 3.56e-03

F120 7.43e-04

F121 8.77e-05

G006 2.98e-02

E069\_07 0.887 7.86e-01

E069\_06 0.457 2.08e-01

E069\_12 0.882 7.77e-01

E069\_17 0.723 5.23e-01

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtchile6 <- mirt(chile6,1)

"F028" re-mapped to ensure all categories have a distance of 1

Iteration: 28, Log-Lik: -24860.072, Max-Change: 0.00009

> summary(mirtchile6, rotate="varimax", suppress=.31)

F1 h2

B008 0.015392

C001 0.000653

C002 0.020767

E018 0.027848

E035 -0.317 0.100383

E036 0.055416

E039 0.004261

F028 0.349 0.121980

F034 0.413 0.170371

F063 0.056524

F116 0.005224

F118 0.059617

F120 0.091608

F121 0.051651

G006 0.058074

E069\_07 0.872 0.761141

E069\_06 0.488 0.238370

E069\_12 0.834 0.696223

E069\_17 0.789 0.622663

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtchile7 <- mirt(chile7,1)

"F028" re-mapped to ensure all categories have a distance of 1

Iteration: 52, Log-Lik: -27694.641, Max-Change: 0.00008

> summary(mirtchile7, rotate="varimax", suppress=.31)

F1 h2

B008 3.45e-03

C001 3.09e-02

C002 8.80e-03

E018 8.87e-04

E034 6.31e-03

E035 8.27e-03

E036 4.82e-03

E039 4.88e-03

F028 6.62e-02

F034 2.77e-02

F063 4.13e-04

F116 3.99e-04

F118 4.05e-02

F120 4.18e-03

F121 5.55e-02

G006 6.14e-05

E069\_07 0.881 7.75e-01

E069\_06 0.522 2.72e-01

E069\_12 0.874 7.64e-01

E069\_17 0.712 5.07e-01

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1