> mirtbrasil2 <- mirt(brasil2,1)

Iteration: 39, Log-Lik: -38972.194, Max-Change: 0.00010

> summary(mirtbrasil2, rotate="varimax", suppress=.31)

F1 h2

C001 0.03951

C002 0.00842

E018 0.494 0.24408

E034 -0.373 0.13927

E035 0.00429

E036 0.05384

E039 0.00528

F028 0.363 0.13149

F034 0.435 0.18939

F063 -0.384 0.14744

F116 0.04699

F118 0.380 0.14472

F120 0.444 0.19730

F121 0.390 0.15178

G006 0.461 0.21225

E069\_07 0.652 0.42519

E069\_06 0.699 0.48879

E069\_17 0.696 0.48456

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtbrasil3 <- mirt(brasil3,1)

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

"F063" re-mapped to ensure all categories have a distance of 1

Iteration: 53, Log-Lik: -26961.034, Max-Change: 0.00010

> summary(mirtbrasil3, rotate="varimax", suppress=.31)

F1 h2

B008 7.80e-04

C001 1.83e-02

C002 1.45e-04

E018 8.90e-02

E034 3.08e-03

E035 1.94e-03

E036 5.58e-03

E039 3.96e-05

F028 3.54e-02

F034 3.27e-02

F063 6.05e-03

F116 3.06e-03

F118 4.64e-03

F120 3.12e-02

F121 3.04e-02

G006 3.90e-02

E069\_07 0.897 8.05e-01

E069\_06 0.721 5.20e-01

E069\_12 0.867 7.51e-01

E069\_17 0.657 4.32e-01

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtbrasil5 <- mirt(brasil5,1)

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

Iteration: 100, Log-Lik: -36949.057, Max-Change: 0.00010

> summary(mirtbrasil5, rotate="varimax", suppress=.31)

F1 h2

B008 5.49e-06

C001 7.51e-03

C002 7.68e-03

E018 5.46e-02

E035 2.45e-03

E036 7.64e-03

E039 3.08e-04

F028 4.14e-03

F034 5.34e-03

F063 3.17e-03

F116 2.82e-04

F118 2.89e-03

F120 3.69e-04

F121 8.34e-03

G006 2.33e-02

E069\_07 0.870 7.56e-01

E069\_06 0.612 3.75e-01

E069\_12 0.881 7.77e-01

E069\_17 0.656 4.30e-01

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtbrasil6 <- mirt(brasil6,1)

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

Iteration: 32, Log-Lik: -33889.003, Max-Change: 0.00008

> summary(mirtbrasil6, rotate="varimax", suppress=.31)

F1 h2

B008 2.83e-03

C001 1.34e-03

C002 1.10e-02

E018 3.08e-02

E035 1.47e-03

E036 2.08e-05

E039 2.42e-03

F028 2.08e-02

F034 3.82e-02

F063 7.14e-04

F116 2.59e-03

F118 4.36e-06

F120 2.58e-03

F121 5.09e-03

G006 3.51e-02

E069\_07 0.872 7.61e-01

E069\_06 0.636 4.05e-01

E069\_12 0.857 7.35e-01

E069\_17 0.661 4.37e-01

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1

> mirtbrasil7 <- mirt(brasil7,1)

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

Iteration: 30, Log-Lik: -41512.393, Max-Change: 0.00010

> summary(mirtbrasil7, rotate="varimax", suppress=.31)

F1 h2

B008 0.002000

C001 0.068216

C002 0.329 0.108331

E018 0.383 0.146946

E034 0.028558

E035 0.015072

E036 0.000378

E039 0.005827

F028 0.465 0.216592

F034 0.645 0.416245

F063 -0.747 0.557816

F116 0.339 0.115069

F118 0.370 0.136599

F120 0.646 0.417725

F121 0.321 0.102855

G006 0.375 0.140371

E069\_07 0.005934

E069\_06 0.081979

E069\_12 0.000296

E069\_17 0.094647

SS loadings: NA

Proportion Var: NA

Factor correlations:

F1

F1 1