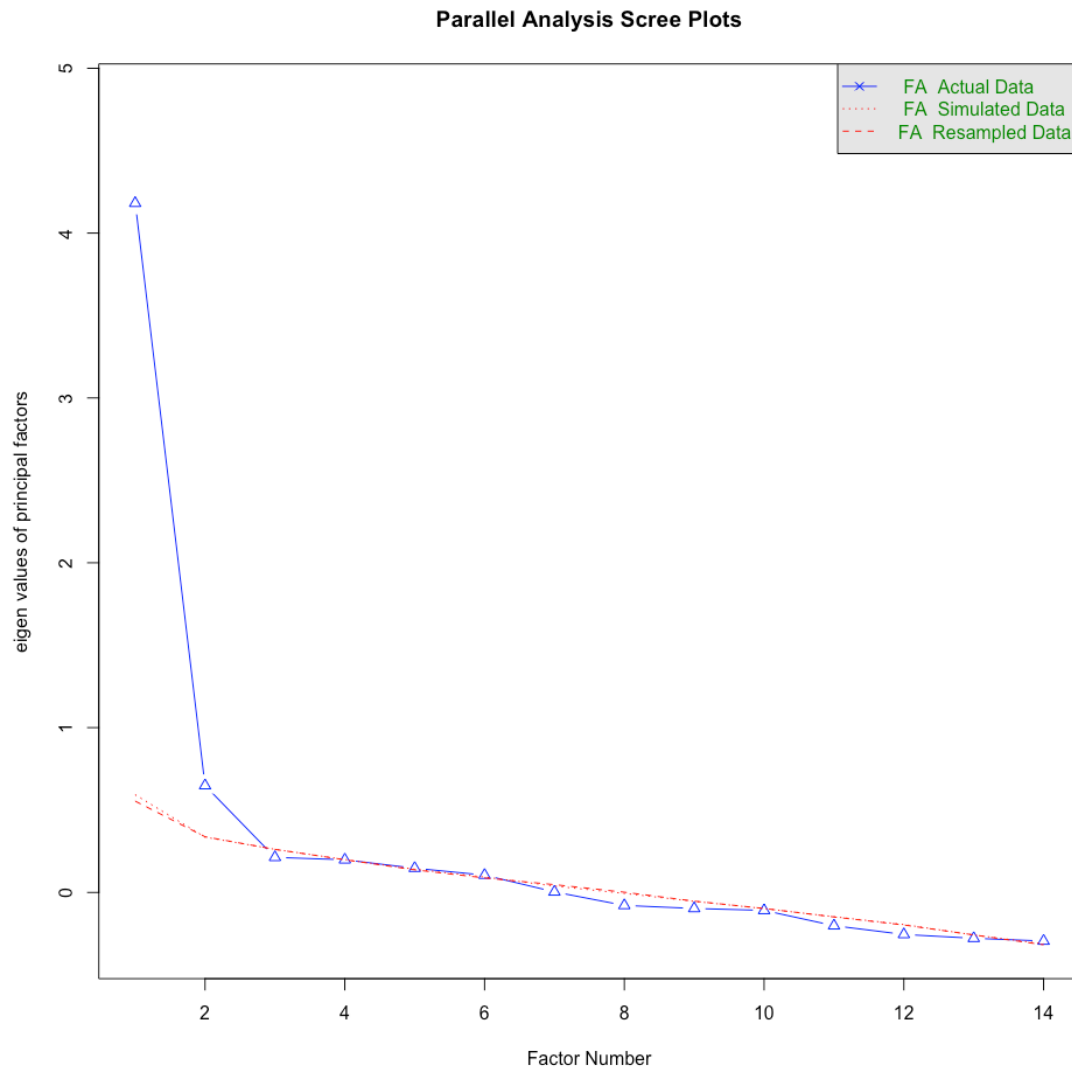


## 5.3.4a Validity Results: Social Connectedness



Parallel analysis suggests that the number of factors = 2

## Factor Analysis

### EFA - One-factor model

Standardized loadings (pattern matrix) based upon correlation matrix

	MR1	h2	u2	com
SC_G1	0.54	0.289	0.71	1
SC_G2	0.40	0.161	0.84	1
SC_G3	0.20	0.040	0.96	1
SC_S1	0.66	0.440	0.56	1
SC_S2	0.61	0.370	0.63	1
SC_S3	0.62	0.383	0.62	1
SC_S4	0.66	0.438	0.56	1
SC_S5	0.64	0.411	0.59	1
SC_S6	0.61	0.378	0.62	1
SC_S7	0.31	0.096	0.90	1
SC_S8	0.38	0.142	0.86	1
SC_S9	0.43	0.188	0.81	1
SC_S10	0.67	0.455	0.54	1
SC_S11	0.64	0.407	0.59	1

	MR1
SS loadings	4.2
Proportion Var	0.3

Mean item complexity = 1

Test of the hypothesis that 1 factor is sufficient.

df null model = 91 with the objective function = 4.01 with Chi Square = 972.05

df of the model are 77 and the objective function was 0.79

The root mean square of the residuals (RMSR) is 0.07

The df corrected root mean square of the residuals is 0.07

The harmonic n.obs is 249 with the empirical chi square 207.71 with prob < 6e-14

The total n.obs was 249.1111 with Likelihood Chi Square = 192.03 with prob < 8.4e-12

Tucker Lewis Index of factoring reliability = 0.845

RMSEA index = 0.077 and the 90 % confidence intervals are 0.064 0.091

BIC = -232.85

Fit based upon off diagonal values = 0.95

Measures of factor score adequacy

	MR1
Correlation of (regression) scores with factors	0.93
Multiple R square of scores with factors	0.87
Minimum correlation of possible factor scores	0.74