Consistencia interna de la escala completa de VG

Reliability analysis

Call: alpha(x = VG\_F)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.92 0.92 0.94 0.48 12 0.0054 1.5 0.64 0.48

95% confidence boundaries

lower alpha upper

Feldt 0.91 0.92 0.93

Duhachek 0.91 0.92 0.93

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

VG\_1 0.92 0.92 0.93 0.50 12 0.0055 0.016 0.52

VG\_3 0.91 0.92 0.93 0.48 11 0.0060 0.016 0.48

VG\_4 0.91 0.92 0.93 0.48 11 0.0059 0.016 0.48

VG\_5 0.91 0.92 0.93 0.47 11 0.0061 0.016 0.47

VG\_6 0.91 0.92 0.93 0.48 11 0.0059 0.017 0.47

VG\_7 0.91 0.91 0.93 0.47 11 0.0061 0.014 0.47

VG\_8 0.91 0.92 0.93 0.48 11 0.0059 0.016 0.48

VG\_9 0.91 0.92 0.93 0.48 11 0.0060 0.015 0.47

VG\_10 0.91 0.91 0.92 0.47 11 0.0061 0.013 0.47

VG\_11 0.91 0.92 0.93 0.48 11 0.0061 0.016 0.47

VG\_13 0.92 0.92 0.93 0.49 11 0.0058 0.016 0.50

VG\_2\_I 0.92 0.93 0.93 0.51 12 0.0055 0.012 0.52

VG\_12\_I 0.92 0.92 0.93 0.50 12 0.0056 0.014 0.52

Item statistics

n raw.r std.r r.cor r.drop mean sd

VG\_1 410 0.63 0.62 0.57 0.54 1.6 1.00

VG\_3 410 0.77 0.77 0.76 0.72 1.4 0.84

VG\_4 410 0.74 0.74 0.71 0.68 1.4 0.87

VG\_5 410 0.79 0.79 0.77 0.75 1.4 0.88

VG\_6 410 0.76 0.74 0.72 0.69 1.7 1.11

VG\_7 410 0.80 0.81 0.80 0.76 1.4 0.87

VG\_8 410 0.74 0.72 0.70 0.68 1.6 1.08

VG\_9 410 0.77 0.79 0.78 0.73 1.3 0.74

VG\_10 410 0.82 0.83 0.83 0.78 1.3 0.76

VG\_11 410 0.78 0.76 0.75 0.73 1.5 0.96

VG\_13 410 0.73 0.70 0.68 0.66 1.7 1.15

VG\_2\_I 410 0.50 0.55 0.50 0.45 1.6 0.56

VG\_12\_I 410 0.54 0.59 0.55 0.49 1.6 0.57

Non missing response frequency for each item

1 2 3 4 5 miss

VG\_1 0.71 0.14 0.04 0.11 0.00 0

VG\_3 0.74 0.16 0.03 0.07 0.00 0

VG\_4 0.76 0.14 0.03 0.07 0.00 0

VG\_5 0.76 0.14 0.02 0.08 0.00 0

VG\_6 0.66 0.15 0.04 0.14 0.00 0

VG\_7 0.76 0.14 0.03 0.07 0.00 0

VG\_8 0.68 0.14 0.05 0.12 0.01 0

VG\_9 0.79 0.13 0.03 0.04 0.00 0

VG\_10 0.78 0.14 0.03 0.05 0.00 0

VG\_11 0.73 0.15 0.02 0.09 0.01 0

VG\_13 0.68 0.14 0.04 0.12 0.03 0

VG\_2\_I 0.40 0.55 0.04 0.00 0.00 0

Measures of reliability

reliability(keys = VG\_F)

omega\_h alpha omega.tot Uni tau cong max.split min.split mean.r med.r n.items CFI

All\_items 0.58 0.92 0.94 0.92 0.94 0.98 0.96 0.85 0.48 0.48 13 0.86

ECV Beta EVR

All\_items 0.83 0.65 5.92

── **Tests for the suitability of the data for factor analysis** ─────────────────────────────────────

**Bartlett's test of sphericity**

**✔** The **Bartlett's test of sphericity** was **significant** at an alpha level of .05.

These data are probably suitable for factor analysis.

𝜒²(78) = 3236.2, *p* < .001

**Kaiser-Meyer-Olkin criterion (KMO)**

**✔** The overall KMO value for your data is **marvellous** with **0.916**.

These data are probably suitable for factor analysis.

── **Number of factors suggested by the different factor retention criteria** ────────────────────────

◌ Comparison data: **4**

◌ Empirical Kaiser criterion: **1**

◌ Hull method with CAF: **1**

◌ Hull method with CFI: **NA**

◌ Hull method with RMSEA: **NA**

◌ Kaiser-Guttman criterion with PCA: **2**

◌ Kaiser-Guttman criterion with SMC: **1**

◌ Kaiser-Guttman criterion with EFA: **1**

◌ Parallel analysis with PCA: **1**

◌ Parallel analysis with SMC: **5**

◌ Parallel analysis with EFA: **4**

◌ Sequential 𝜒² model tests: **7**

◌ Lower bound of RMSEA 90% confidence interval: **5**

◌ Akaike Information Criterion: **7**

**ANALISIS FACTORIAL CONFIRMATORIO**

summary(VG\_A, fit.measures = TRUE)

lavaan 0.6-19 ended normally after 46 iterations

Estimator ML

Optimization method NLMINB

Number of model parameters 29

Number of observations 410

Model Test User Model:

Test statistic 510.982

Degrees of freedom 62

P-value (Chi-square) 0.000

Model Test Baseline Model:

Test statistic 3285.617

Degrees of freedom 78

P-value 0.000

User Model versus Baseline Model:

Comparative Fit Index (CFI) 0.860

Tucker-Lewis Index (TLI) 0.824

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -5348.066

Loglikelihood unrestricted model (H1) -5092.575

Akaike (AIC) 10754.132

Bayesian (BIC) 10870.601

Sample-size adjusted Bayesian (SABIC) 10778.578

Root Mean Square Error of Approximation:

RMSEA 0.133

90 Percent confidence interval - lower 0.122

90 Percent confidence interval - upper 0.144

P-value H\_0: RMSEA <= 0.050 0.000

P-value H\_0: RMSEA >= 0.080 1.000

Standardized Root Mean Square Residual:

SRMR 0.065

Parameter Estimates:

Standard errors Standard

Information Expected

Information saturated (h1) model Structured

Latent Variables:

Estimate Std.Err z-value P(>|z|)

D1 =~

VG\_1 1.000

VG\_2\_I 0.461 0.060 7.722 0.000

VG\_3 1.195 0.108 11.111 0.000

VG\_6 1.423 0.135 10.535 0.000

VG\_7 1.338 0.116 11.578 0.000

D2 =~

VG\_4 1.000

VG\_5 1.086 0.072 15.017 0.000

VG\_8 1.201 0.089 13.573 0.000

VG\_10 1.057 0.062 16.927 0.000

VG\_11 1.138 0.079 14.390 0.000

D3 =~

VG\_9 1.000

VG\_12\_I 0.455 0.047 9.630 0.000

VG\_13 1.282 0.093 13.853 0.000

Covariances:

Estimate Std.Err z-value P(>|z|)

D1 ~~

D2 0.337 0.039 8.543 0.000

D3 0.317 0.036 8.866 0.000

D2 ~~

D3 0.374 0.035 10.709 0.000

Variances:

Estimate Std.Err z-value P(>|z|)

.VG\_1 0.708 0.051 13.902 0.000

.VG\_2\_I 0.252 0.018 14.075 0.000

.VG\_3 0.291 0.023 12.682 0.000

.VG\_6 0.622 0.047 13.294 0.000

.VG\_7 0.234 0.020 11.507 0.000

.VG\_4 0.380 0.028 13.529 0.000

.VG\_5 0.326 0.025 13.200 0.000

.VG\_8 0.612 0.045 13.618 0.000

.VG\_10 0.151 0.013 11.744 0.000

.VG\_11 0.434 0.032 13.414 0.000

.VG\_9 0.223 0.020 11.320 0.000

.VG\_12\_I 0.257 0.018 14.276 0.000

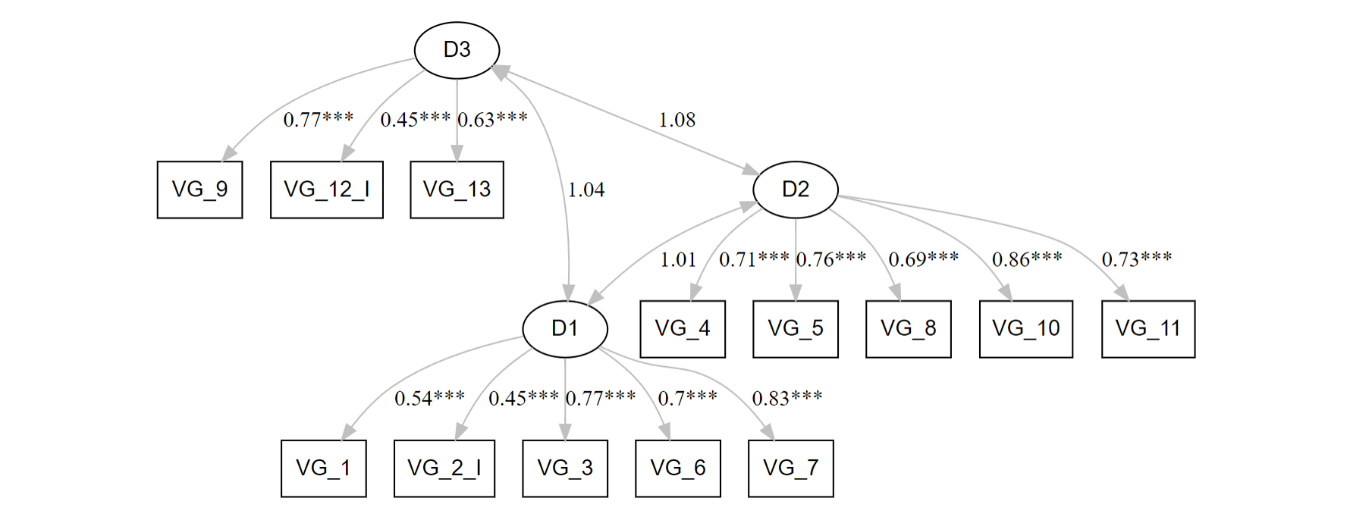
.VG\_13 0.795 0.059 13.550 0.000

D1 0.295 0.051 5.770 0.000

D2 0.382 0.047 8.119 0.000

D3 0.318 0.036 8.713 0.000

Gráfico modelo



**DIMENSION 1 DE VG**

alpha(D1\_VG)

Reliability analysis

Call: alpha(x = D1\_VG)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.79 0.79 0.77 0.44 3.9 0.015 1.5 0.66 0.4

95% confidence boundaries

lower alpha upper

Feldt 0.75 0.79 0.82

Duhachek 0.76 0.79 0.82

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

VG\_1 0.77 0.78 0.74 0.47 3.5 0.016 0.0186 0.45

VG\_3 0.71 0.72 0.67 0.39 2.5 0.021 0.0104 0.37

VG\_6 0.73 0.74 0.70 0.41 2.8 0.020 0.0181 0.37

VG\_7 0.72 0.73 0.68 0.40 2.7 0.021 0.0083 0.39

VG\_2\_I 0.79 0.80 0.77 0.51 4.1 0.017 0.0103 0.50

Item statistics

n raw.r std.r r.cor r.drop mean sd

VG\_1 410 0.71 0.69 0.56 0.50 1.6 1.00

VG\_3 410 0.81 0.82 0.78 0.69 1.4 0.84

VG\_6 410 0.81 0.78 0.70 0.63 1.7 1.11

VG\_7 410 0.80 0.79 0.75 0.66 1.4 0.87

VG\_2\_I 410 0.55 0.63 0.46 0.42 1.6 0.56

Non missing response frequency for each item

1 2 3 4 5 miss

VG\_1 0.71 0.14 0.04 0.11 0 0

VG\_3 0.74 0.16 0.03 0.07 0 0

VG\_6 0.66 0.15 0.04 0.14 0 0

VG\_7 0.76 0.14 0.03 0.07 0 0

VG\_2\_I 0.40 0.55 0.04 0.00 0 0

> reliability(D1\_VG)

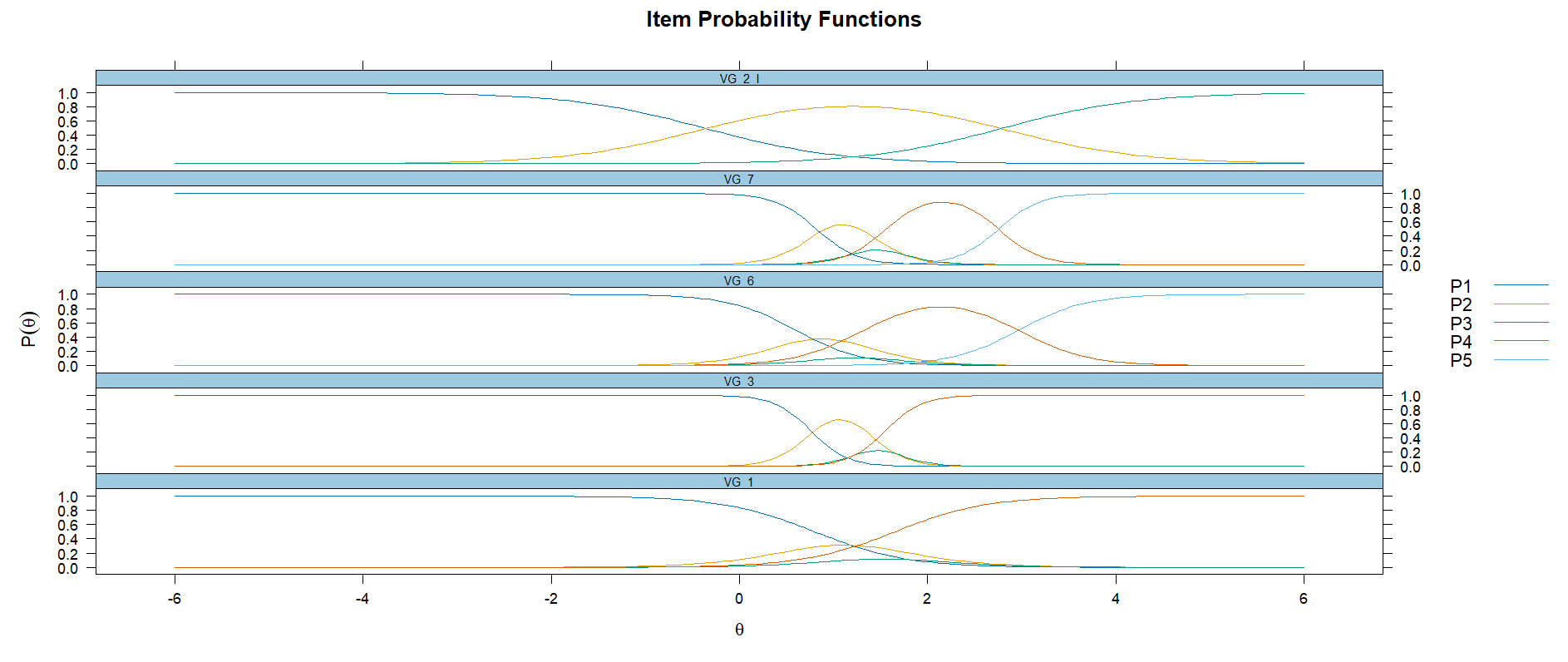
keys not specified, all items will be scored

Measures of reliability

reliability(keys = D1\_VG)

omega\_h alpha omega.tot Uni tau cong max.split min.split mean.r med.r n.items CFI ECV Beta EVR

All\_items 0.68 0.79 0.83 0.93 0.94 1 0.83 0.68 0.44 0.4 5 0.98 0.88 0.6 3.68



Gráfico, Histograma

Descripción generada automáticamente

Dimensión 2 VG

alpha(D2\_VG)

Reliability analysis

Call: alpha(x = D2\_VG)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.86 0.87 0.84 0.57 6.6 0.011 1.5 0.74 0.57

95% confidence boundaries

lower alpha upper

Feldt 0.84 0.86 0.88

Duhachek 0.84 0.86 0.88

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

VG\_4 0.84 0.85 0.81 0.58 5.6 0.013 0.0028 0.58

VG\_5 0.83 0.83 0.79 0.56 5.0 0.014 0.0033 0.56

VG\_8 0.85 0.85 0.82 0.60 5.9 0.012 0.0019 0.59

VG\_10 0.82 0.83 0.79 0.54 4.8 0.014 0.0023 0.55

VG\_11 0.82 0.83 0.79 0.56 5.0 0.014 0.0037 0.56

Item statistics

n raw.r std.r r.cor r.drop mean sd

VG\_4 410 0.78 0.78 0.70 0.65 1.4 0.87

VG\_5 410 0.82 0.82 0.77 0.71 1.4 0.88

VG\_8 410 0.79 0.77 0.68 0.63 1.6 1.08

VG\_10 410 0.83 0.84 0.80 0.74 1.3 0.76

VG\_11 410 0.83 0.83 0.77 0.71 1.5 0.96

Non missing response frequency for each item

1 2 3 4 5 miss

VG\_4 0.76 0.14 0.03 0.07 0.00 0

VG\_5 0.76 0.14 0.02 0.08 0.00 0

VG\_8 0.68 0.14 0.05 0.12 0.01 0

VG\_10 0.78 0.14 0.03 0.05 0.00 0

VG\_11 0.73 0.15 0.02 0.09 0.01 0

> reliability(D2\_VG)

keys not specified, all items will be scored

Measures of reliability

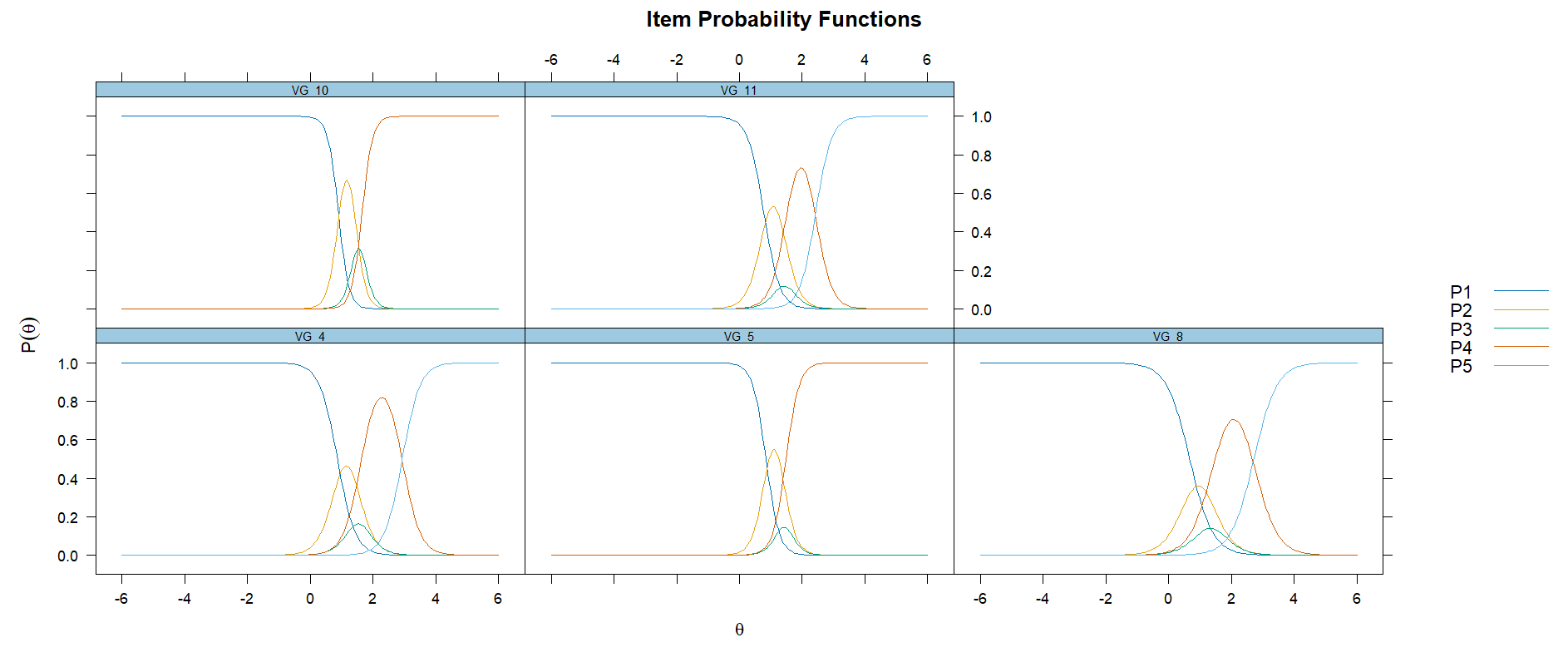
reliability(keys = D2\_VG)

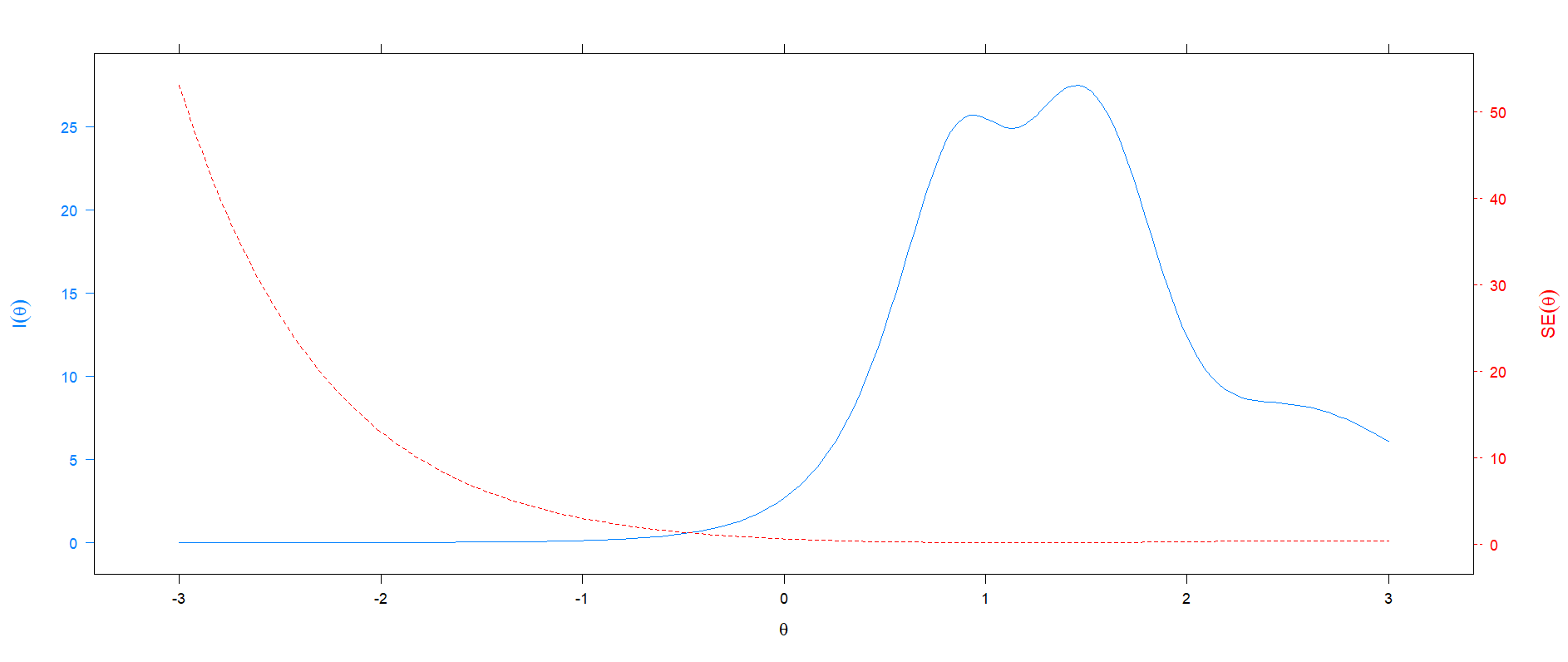
omega\_h alpha omega.tot Uni tau cong max.split min.split mean.r

All\_items 0.81 0.87 0.88 0.99 0.99 1 0.86 0.81 0.57

med.r n.items CFI ECV Beta EVR

All\_items 0.57 5 0.99 0.94 0.8 5.86





**Dimensión 3**

eliability analysis

Call: alpha(x = D3\_VG)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.61 0.65 0.56 0.38 1.9 0.03 1.5 0.64 0.39

95% confidence boundaries

lower alpha upper

Feldt 0.54 0.61 0.67

Duhachek 0.55 0.61 0.67

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

VG\_9 0.39 0.47 0.31 0.31 0.88 0.047 NA 0.31

VG\_12\_I 0.58 0.62 0.45 0.45 1.65 0.037 NA 0.45

VG\_13 0.55 0.56 0.39 0.39 1.28 0.043 NA 0.39

Item statistics

n raw.r std.r r.cor r.drop mean sd

VG\_9 410 0.77 0.80 0.65 0.52 1.3 0.74

VG\_12\_I 410 0.63 0.74 0.50 0.39 1.6 0.57

VG\_13 410 0.86 0.76 0.57 0.46 1.7 1.15

Non missing response frequency for each item

1 2 3 4 5 miss

VG\_9 0.79 0.13 0.03 0.04 0.00 0

VG\_12\_I 0.47 0.50 0.04 0.00 0.00 0

VG\_13 0.68 0.14 0.04 0.12 0.03 0

> reliability(D3\_VG)

keys not specified, all items will be scored

Omega\_h for 1 factor is not meaningful, just omega\_t

Measures of reliability

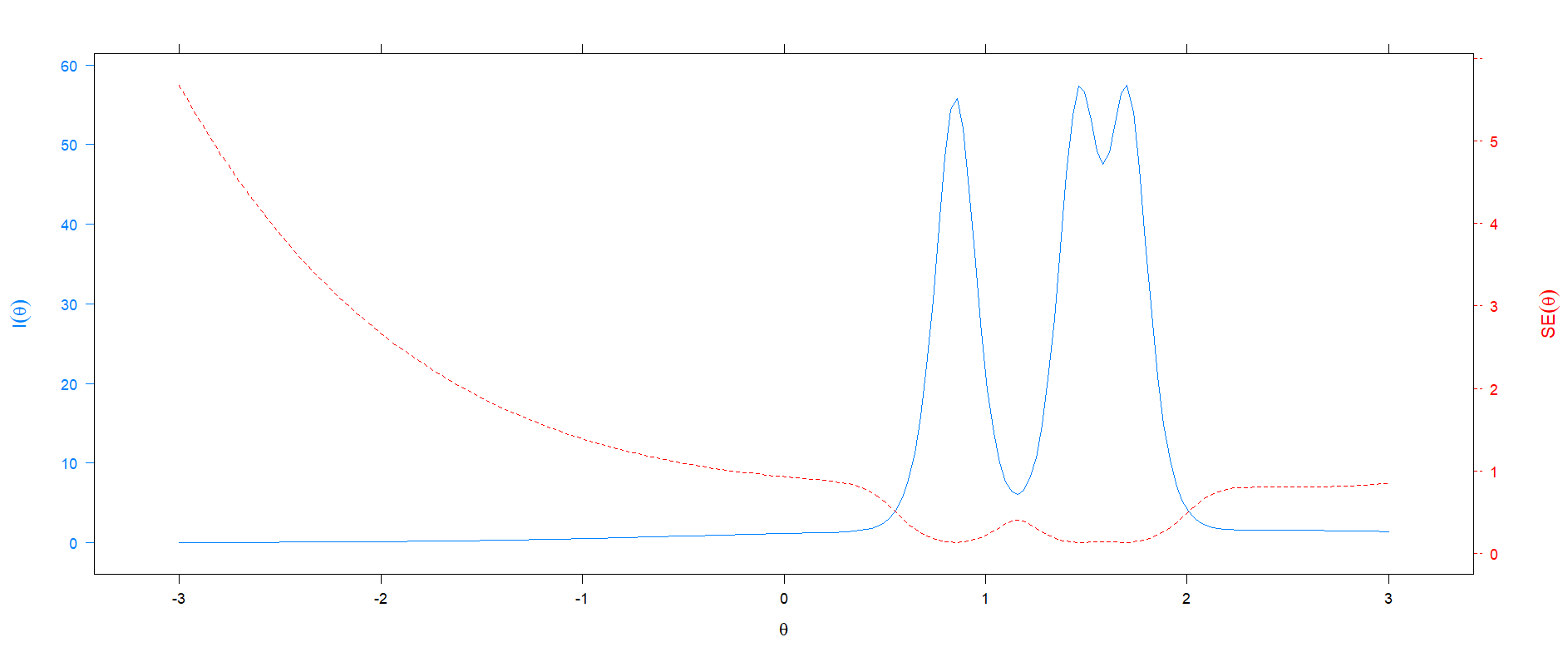
reliability(keys = D3\_VG)

omega\_h alpha omega.tot Uni tau cong max.split min.split mean.r med.r n.items CFI ECV Beta EVR

All\_items 0.66 0.65 0.66 0.98 0.98 1 0.64 0.53 0.38 0.39 3 1 0.4 0.59 2.52

Diagrama

Descripción generada automáticamente



VIOLENCIA OBSTRETICA

Reliability analysis

Call: alpha(x = VO\_IT, check.keys = TRUE)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.9 0.9 0.92 0.34 8.9 0.0082 1.7 0.83 0.36

95% confidence boundaries

lower alpha upper

Feldt 0.88 0.9 0.92

Duhachek 0.89 0.9 0.92

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

VO\_1 0.89 0.89 0.91 0.34 8.2 0.0089 0.020 0.35

VO\_2 0.90 0.89 0.91 0.34 8.4 0.0086 0.022 0.36

VO\_3 0.89 0.89 0.91 0.34 8.2 0.0089 0.020 0.35

VO\_4 0.89 0.89 0.91 0.33 8.0 0.0092 0.018 0.35

VO\_5 0.89 0.89 0.91 0.34 8.1 0.0091 0.019 0.35

VO\_6 0.90 0.89 0.91 0.35 8.5 0.0085 0.022 0.36

VO\_7 0.89 0.89 0.91 0.34 8.3 0.0089 0.019 0.35

VO\_8- 0.90 0.90 0.92 0.37 9.5 0.0083 0.016 0.37

VO\_9 0.89 0.89 0.91 0.34 8.3 0.0088 0.019 0.36

VO\_10 0.90 0.90 0.92 0.35 8.5 0.0084 0.022 0.36

VO\_11 0.90 0.90 0.92 0.35 8.8 0.0082 0.021 0.36

VO\_12 0.89 0.89 0.91 0.34 8.2 0.0088 0.021 0.36

VO\_13 0.89 0.89 0.91 0.33 7.9 0.0092 0.019 0.35

VO\_14 0.90 0.90 0.92 0.36 9.1 0.0082 0.019 0.36

VO\_15 0.90 0.90 0.91 0.35 8.6 0.0084 0.022 0.36

VO\_16 0.90 0.89 0.91 0.35 8.4 0.0086 0.022 0.36

VO\_17 0.89 0.89 0.91 0.34 8.3 0.0088 0.020 0.36

Item statistics

n raw.r std.r r.cor r.drop mean sd

VO\_1 276 0.69 0.69 0.67 0.63 1.7 1.30

VO\_2 276 0.62 0.62 0.59 0.55 1.7 1.29

VO\_3 276 0.70 0.70 0.68 0.65 1.8 1.35

VO\_4 276 0.77 0.76 0.76 0.73 1.8 1.42

VO\_5 275 0.74 0.73 0.72 0.69 1.9 1.47

VO\_6 276 0.56 0.59 0.55 0.50 1.4 1.04

VO\_7 276 0.70 0.67 0.66 0.64 2.0 1.55

VO\_8- 276 0.24 0.31 0.24 0.21 1.2 0.41

VO\_9 276 0.69 0.65 0.64 0.62 2.1 1.63

VO\_10 276 0.61 0.58 0.54 0.52 2.4 1.79

VO\_11 276 0.51 0.51 0.46 0.42 1.8 1.45

VO\_12 276 0.69 0.70 0.68 0.63 1.6 1.26

VO\_13 276 0.77 0.77 0.77 0.73 1.7 1.36

VO\_14 276 0.39 0.42 0.38 0.33 1.3 0.93

VO\_15 276 0.55 0.55 0.51 0.47 1.8 1.43

VO\_16 276 0.61 0.61 0.57 0.55 1.7 1.32

VO\_17 276 0.66 0.67 0.65 0.61 1.6 1.15

Non missing response frequency for each item

1 2 3 4 5 miss

VO\_1 0.70 0.13 0.04 0.03 0.10 0

VO\_2 0.71 0.14 0.03 0.01 0.11 0

VO\_3 0.68 0.13 0.04 0.04 0.11 0

VO\_4 0.66 0.14 0.02 0.04 0.13 0

VO\_5 0.63 0.15 0.03 0.05 0.15 0

VO\_6 0.78 0.14 0.01 0.01 0.06 0

VO\_7 0.64 0.13 0.03 0.03 0.18 0

VO\_8 0.00 0.00 0.01 0.14 0.85 0

VO\_9 0.59 0.13 0.03 0.04 0.21 0

VO\_10 0.57 0.09 0.02 0.02 0.29 0

VO\_11 0.71 0.11 0.02 0.02 0.15 0

VO\_12 0.72 0.13 0.04 0.01 0.10 0

VO\_13 0.69 0.14 0.02 0.02 0.12 0

VO\_14 0.82 0.12 0.01 0.00 0.05 0

VO\_15 0.71 0.12 0.01 0.01 0.14 0

VO\_16 0.70 0.14 0.01 0.05 0.10 0

VO\_17 0.73 0.13 0.04 0.03 0.07 0

ANALISIS CONFIRMATORIO

summary(V0\_A, fit.measures = TRUE)

lavaan 0.6-19 ended normally after 29 iterations

Estimator ML

Optimization method NLMINB

Number of model parameters 34

Used Total

Number of observations 275 276

Model Test User Model:

Test statistic 546.512

Degrees of freedom 119

P-value (Chi-square) 0.000

Model Test Baseline Model:

Test statistic 2137.456

Degrees of freedom 136

P-value 0.000

User Model versus Baseline Model:

Comparative Fit Index (CFI) 0.786

Tucker-Lewis Index (TLI) 0.756

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -6881.165

Loglikelihood unrestricted model (H1) -6607.910

Akaike (AIC) 13830.331

Bayesian (BIC) 13953.301

Sample-size adjusted Bayesian (SABIC) 13845.494

Root Mean Square Error of Approximation:

RMSEA 0.114

90 Percent confidence interval - lower 0.105

90 Percent confidence interval - upper 0.124

P-value H\_0: RMSEA <= 0.050 0.000

P-value H\_0: RMSEA >= 0.080 1.000

Standardized Root Mean Square Residual:

SRMR 0.073

Parameter Estimates:

Standard errors Standard

Information Expected

Information saturated (h1) model Structured

Latent Variables:

Estimate Std.Err z-value P(>|z|)

VO =~

VO\_1 1.000

VO\_2 0.828 0.093 8.926 0.000

VO\_3 1.044 0.097 10.718 0.000

VO\_4 1.263 0.104 12.167 0.000

VO\_5 1.232 0.107 11.537 0.000

VO\_6 0.601 0.074 8.085 0.000

VO\_7 1.165 0.112 10.408 0.000

VO\_8 -0.096 0.029 -3.342 0.001

VO\_9 1.180 0.118 10.040 0.000

VO\_10 1.050 0.128 8.227 0.000

VO\_11 0.663 0.103 6.450 0.000

VO\_12 0.945 0.091 10.370 0.000

VO\_13 1.172 0.099 11.826 0.000

VO\_14 0.305 0.065 4.656 0.000

VO\_15 0.759 0.102 7.466 0.000

VO\_16 0.829 0.094 8.777 0.000

VO\_17 0.838 0.083 10.128 0.000

Variances:

Estimate Std.Err z-value P(>|z|)

.VO\_1 0.880 0.081 10.818 0.000

.VO\_2 1.125 0.100 11.240 0.000

.VO\_3 0.937 0.087 10.797 0.000

.VO\_4 0.737 0.074 9.993 0.000

.VO\_5 0.937 0.090 10.429 0.000

.VO\_6 0.794 0.070 11.363 0.000

.VO\_7 1.311 0.120 10.900 0.000

.VO\_8 0.159 0.014 11.680 0.000

.VO\_9 1.541 0.140 11.005 0.000

.VO\_10 2.306 0.203 11.345 0.000

.VO\_11 1.745 0.151 11.525 0.000

.VO\_12 0.875 0.080 10.911 0.000

.VO\_13 0.747 0.073 10.252 0.000

.VO\_14 0.785 0.067 11.632 0.000

.VO\_15 1.576 0.138 11.435 0.000

.VO\_16 1.188 0.105 11.265 0.000

.VO\_17 0.752 0.069 10.981 0.000

VO 0.800 0.126 6.348 0.000

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

Interfaz de usuario gráfica, Aplicación, Tabla

Descripción generada automáticamente

Gráfico

Descripción generada automáticamente