

Intraclass Correlation Coefficient (ICC)

Rating / measurement columns: G1, G2, G3
 Complete subjects used: 649
 Number of ratings/measurements: 3
 Grand mean: 11.6251

ANOVA components:

source	sum_of_squares	df	mean_square	f_value	p_value
Subjects / targets	15606.29687	648	24.08379	20.24597	0.000000e+00
Raters / measurements	86.33077	2	43.16538	36.28686	4.637136e-16
Residual / interaction	1541.66923	1296	1.18956	NA	NA
Total	17234.29687	1946	NA	NA	NA

ICC model results:

icc_type	model	definition	icc_value	recommended_use	interpretation
ICC(1,1)	One-way random effects	Single rating, absolute agreement	0.8585035		
ICC(1,k)	One-way random effects	Average of 3 ratings, absolute agreement	0.9479219		
ICC(2,1)	Two-way random effects	Single rating, absolute agreement	0.8588468		
ICC(2,k)	Two-way random effects	Average of 3 ratings, absolute agreement	0.9480614		
ICC(3,1)	Two-way mixed effects	Single rating, consistency	0.8651441		
ICC(3,k)	Two-way mixed effects	Average of 3 ratings, consistency	0.9506075		
	Random/exchangeable raters or measurements; single score.			Good reliability	
	Average score under one-way random assumptions.			Excellent reliability	
	Random raters/measurements; absolute agreement matters; single score.			Good reliability	
	Average score generalizes to wider raters/measurements.			Excellent reliability	
	Same fixed raters/measurements; systematic mean differences ignored.			Good reliability	
	Average of fixed measurements; common default for G1, G2, G3 consistency.			Excellent reliability	
	bootstrap_ci95_lower	bootstrap_ci95_upper	bootstrap_replicates		
	0.8321453	0.8818337	1000		
	0.9369984	0.9572429	1000		
	0.8326724	0.8821990	1000		
	0.9372210	0.9573864	1000		
	0.8392715	0.8896974	1000		
	0.9399941	0.9603142	1000		

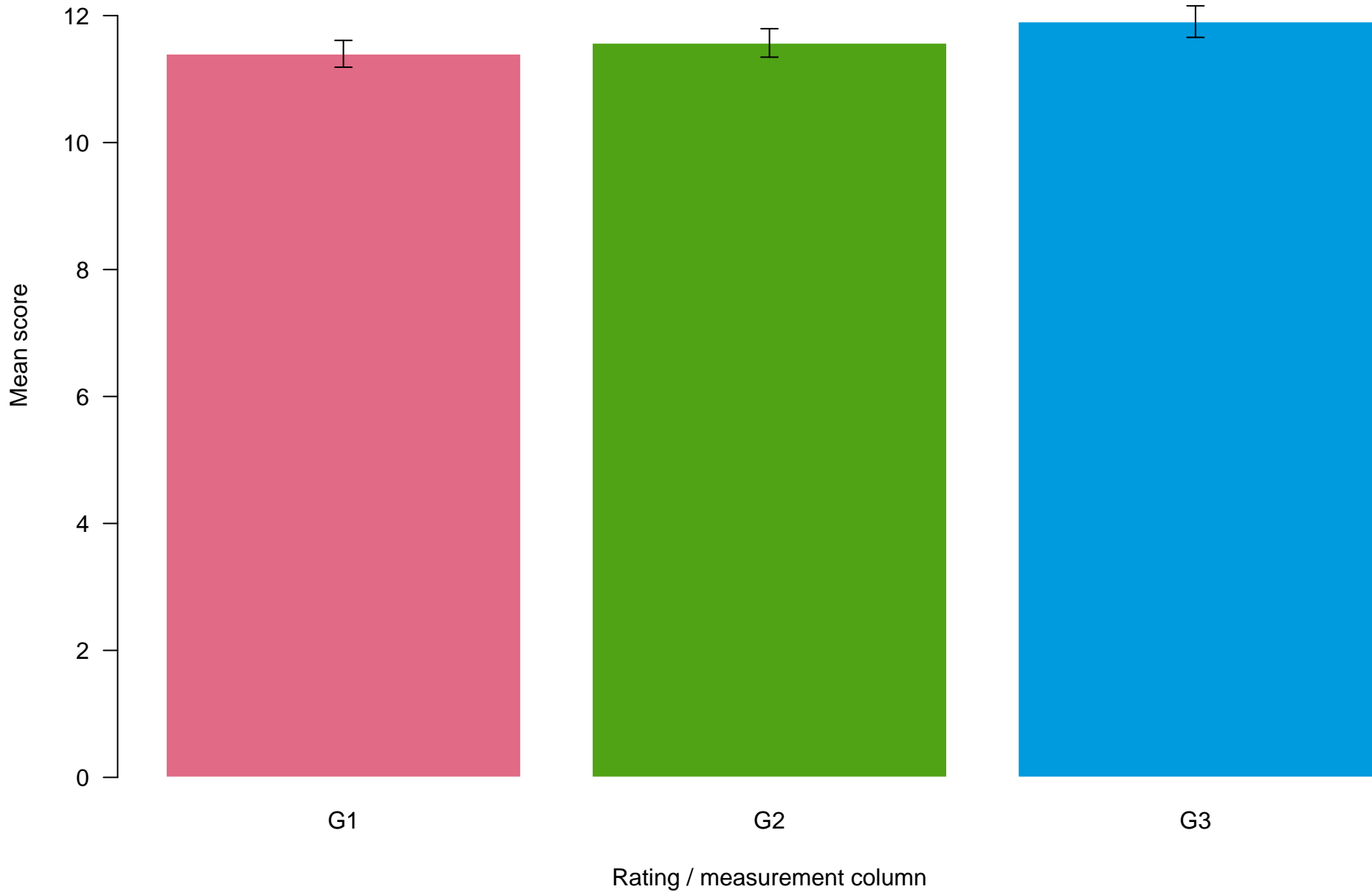
Bootstrap 95% confidence intervals:

icc_type	bootstrap_ci95_lower	bootstrap_ci95_upper	bootstrap_replicates
ICC(1,1)	0.8321453	0.8818337	1000
ICC(1,k)	0.9369984	0.9572429	1000
ICC(2,1)	0.8326724	0.8821990	1000
ICC(2,k)	0.9372210	0.9573864	1000
ICC(3,1)	0.8392715	0.8896974	1000
ICC(3,k)	0.9399941	0.9603142	1000

Interpretation guide: < .50 poor, .50-.75 moderate, .75-.90 good, >= .90 excellent.

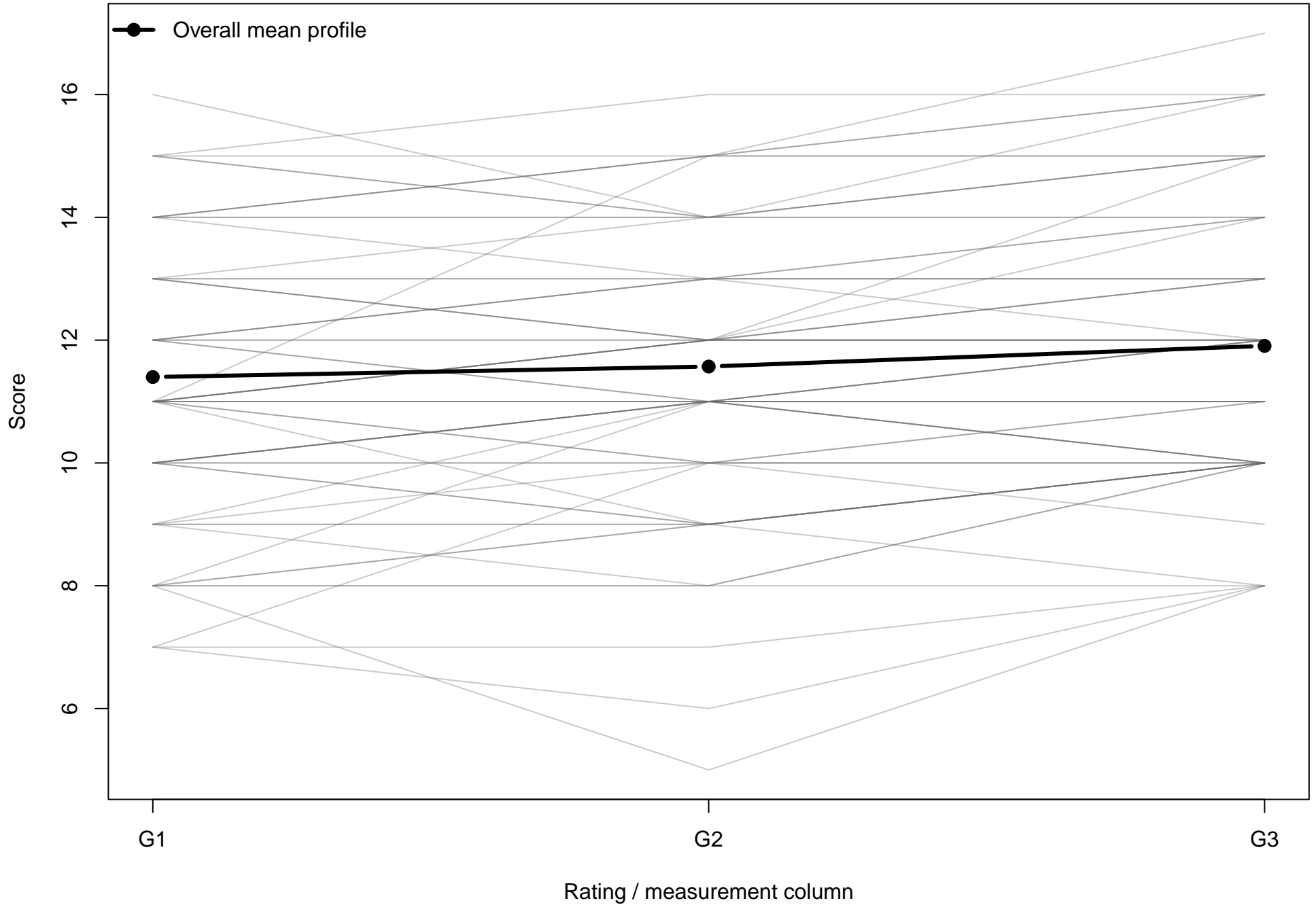
Intraclass Correlation Coefficient: Colorful Rating Means

Mean differences help decide agreement versus consistency interpretation.



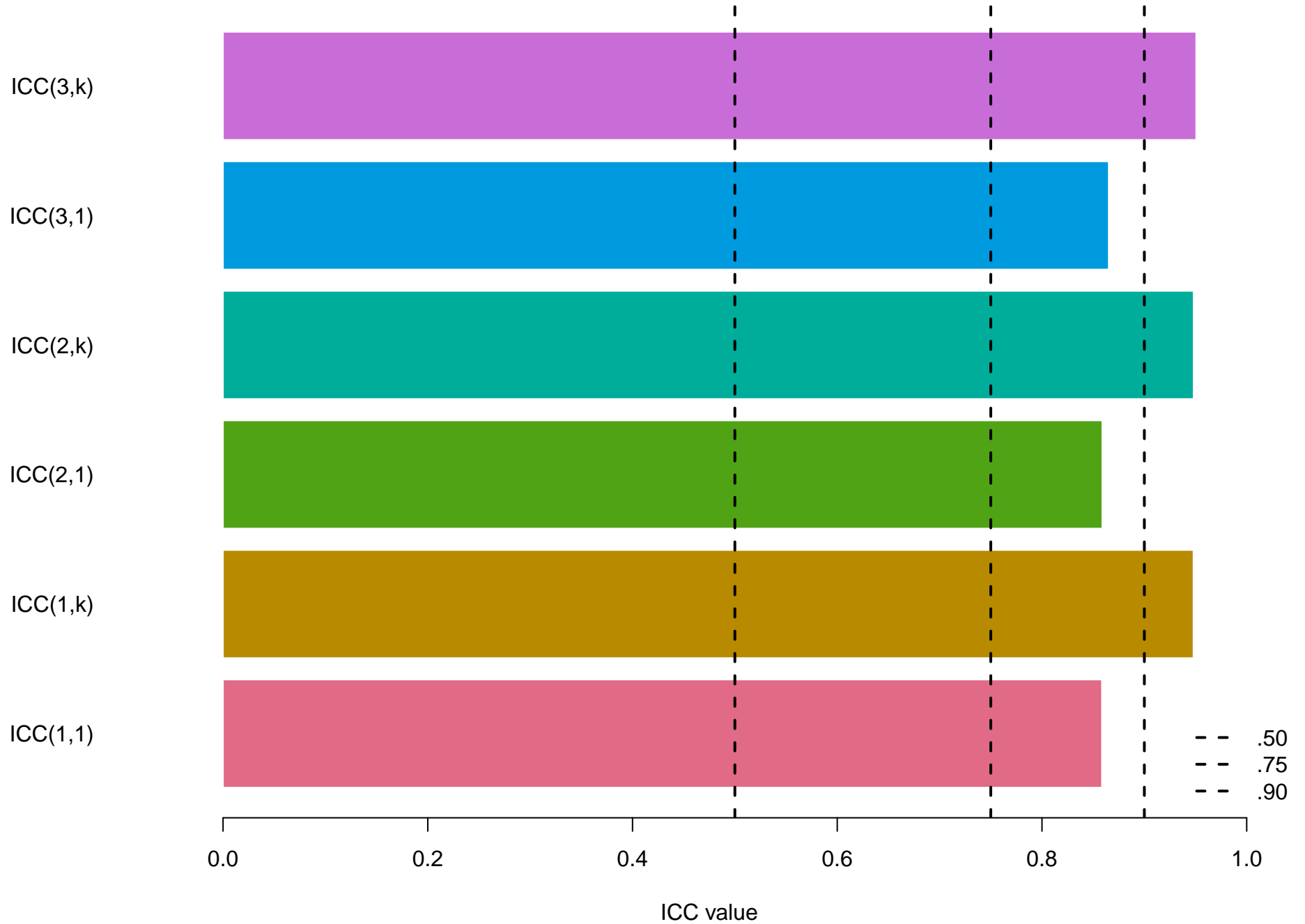
Intraclass Correlation Coefficient: Colorful Subject Profiles

Parallel profiles suggest stronger consistency across repeated measurements.



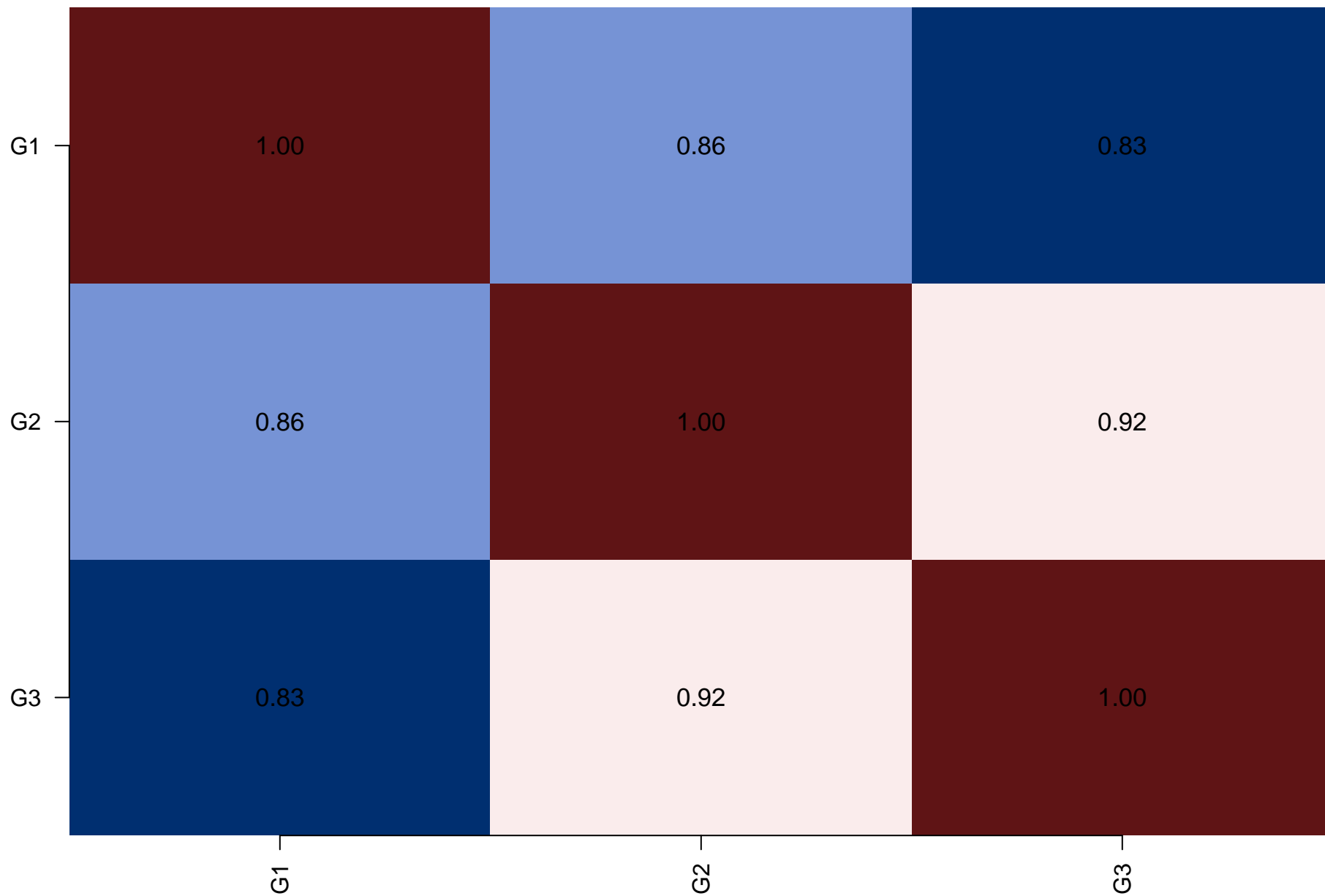
Intraclass Correlation Coefficient: Colorful ICC Model Comparison

ICC values near 1 indicate higher reliability.



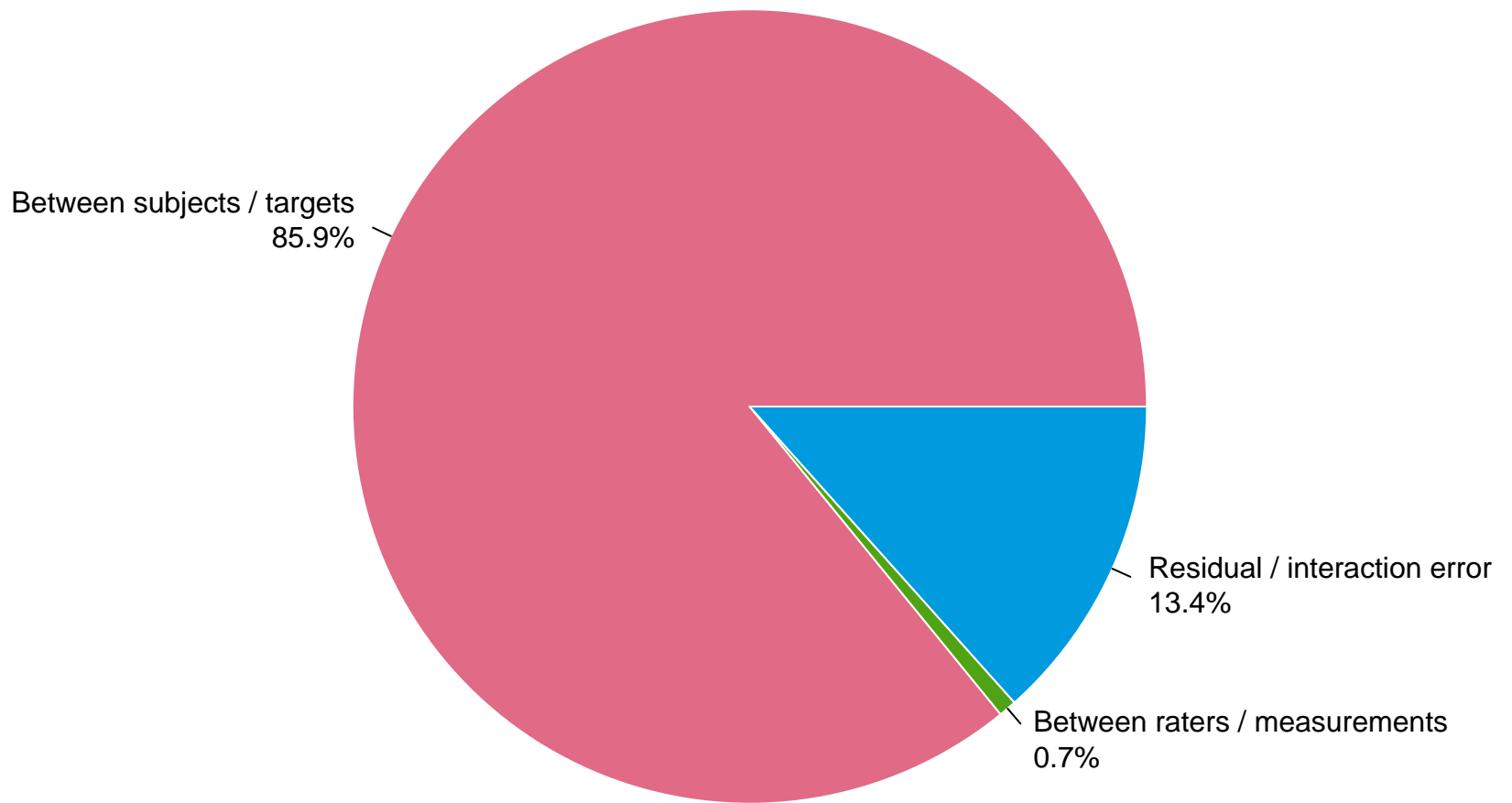
Intraclass Correlation Coefficient: Colorful Pairwise Correlation Context

Pairwise correlations support, but do not replace, the ICC model.



Intraclass Correlation Coefficient: Colorful Variance Components

A larger between-subject share supports stronger reliability.



Intraclass Correlation Coefficient: Mean vs Within-Subject Spread

Lower within-subject spread means repeated ratings are closer for the same subject.

