

Repeated Measures MANOVA Report

Hotelling $T^2 = 59.855810$

$F(2, 647) = 29.881720$

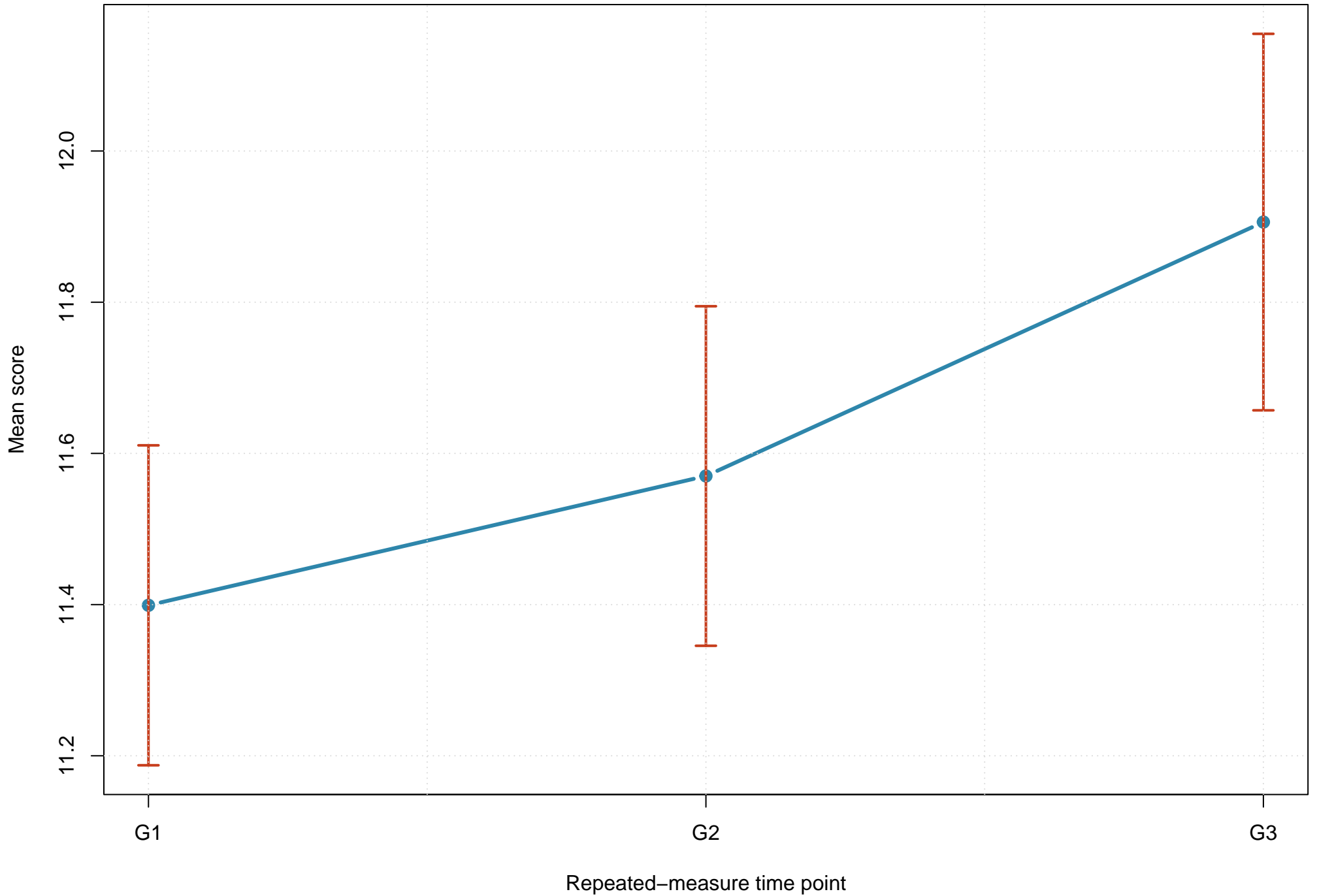
p-value = 0.00000000

partial $\eta^2 = 0.084559$

Decision: Reject no multivariate time change

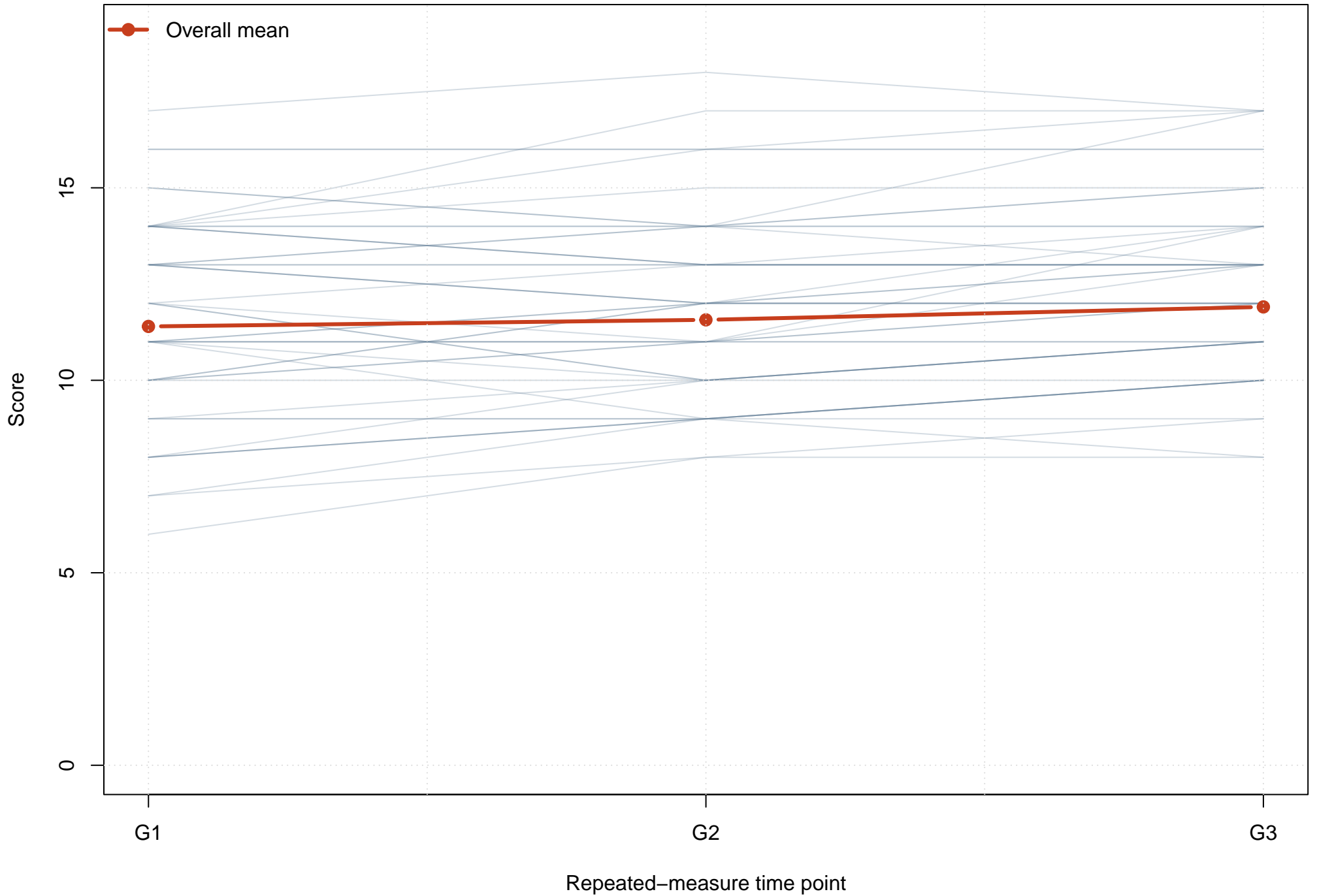
Repeated Measures MANOVA: Mean Profile

Means with 95% confidence intervals across G1, G2, and G3.



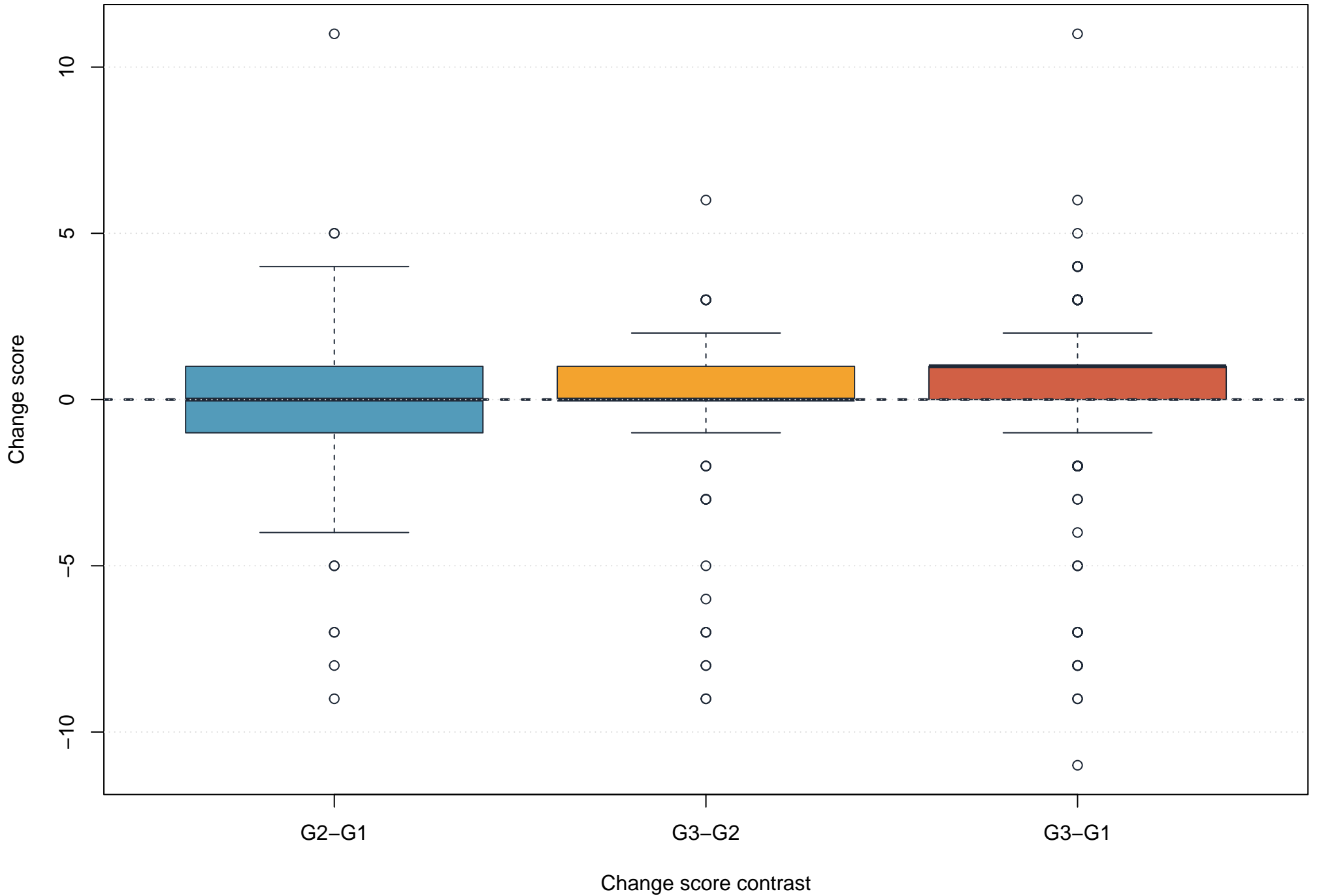
Individual Repeated-Measure Trajectories

Thin lines show sampled subjects; thick line shows the overall mean trajectory.



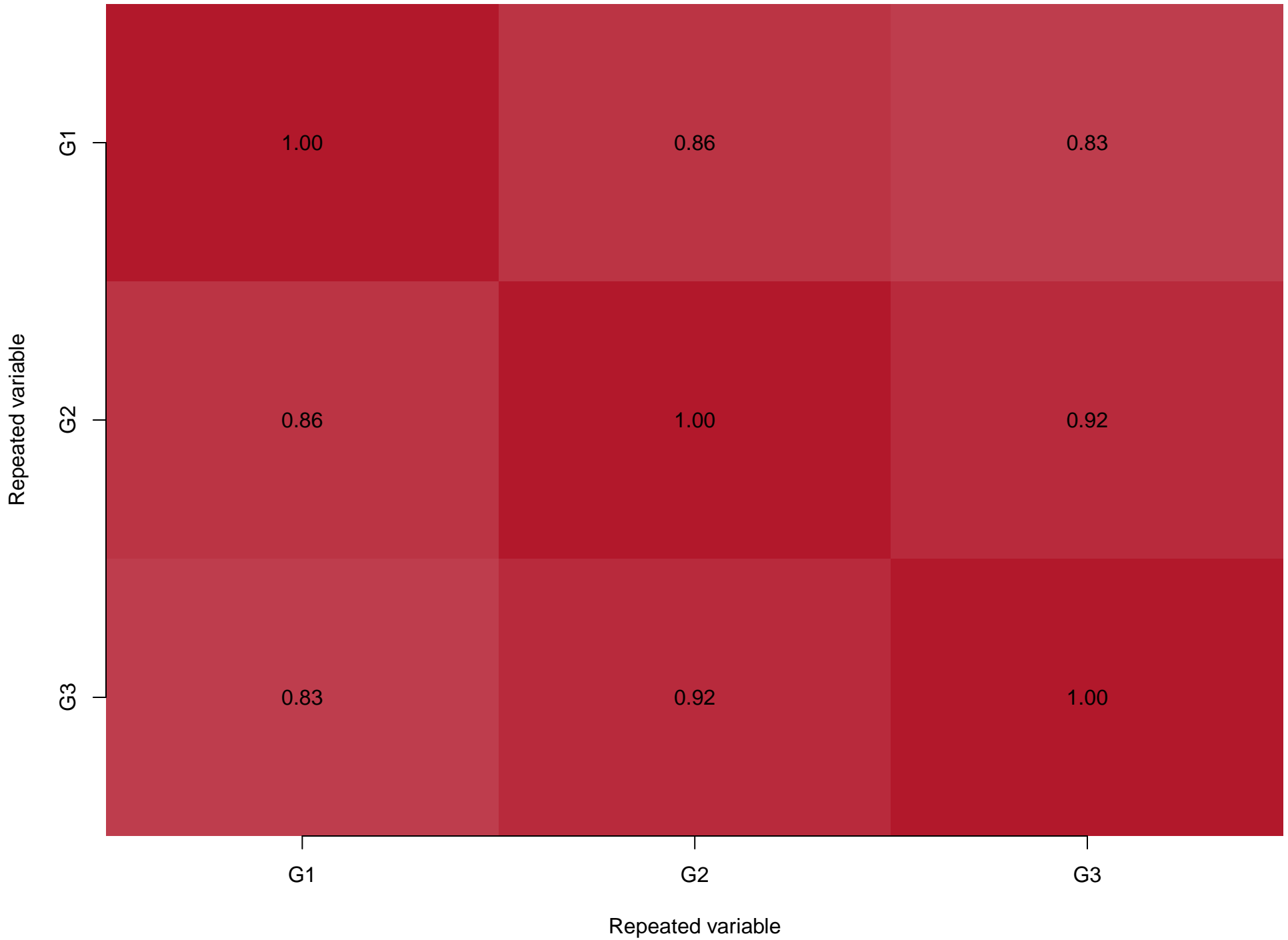
Repeated Measures MANOVA: Change Score Distributions

Non-zero contrast distributions support a repeated-measure time effect.



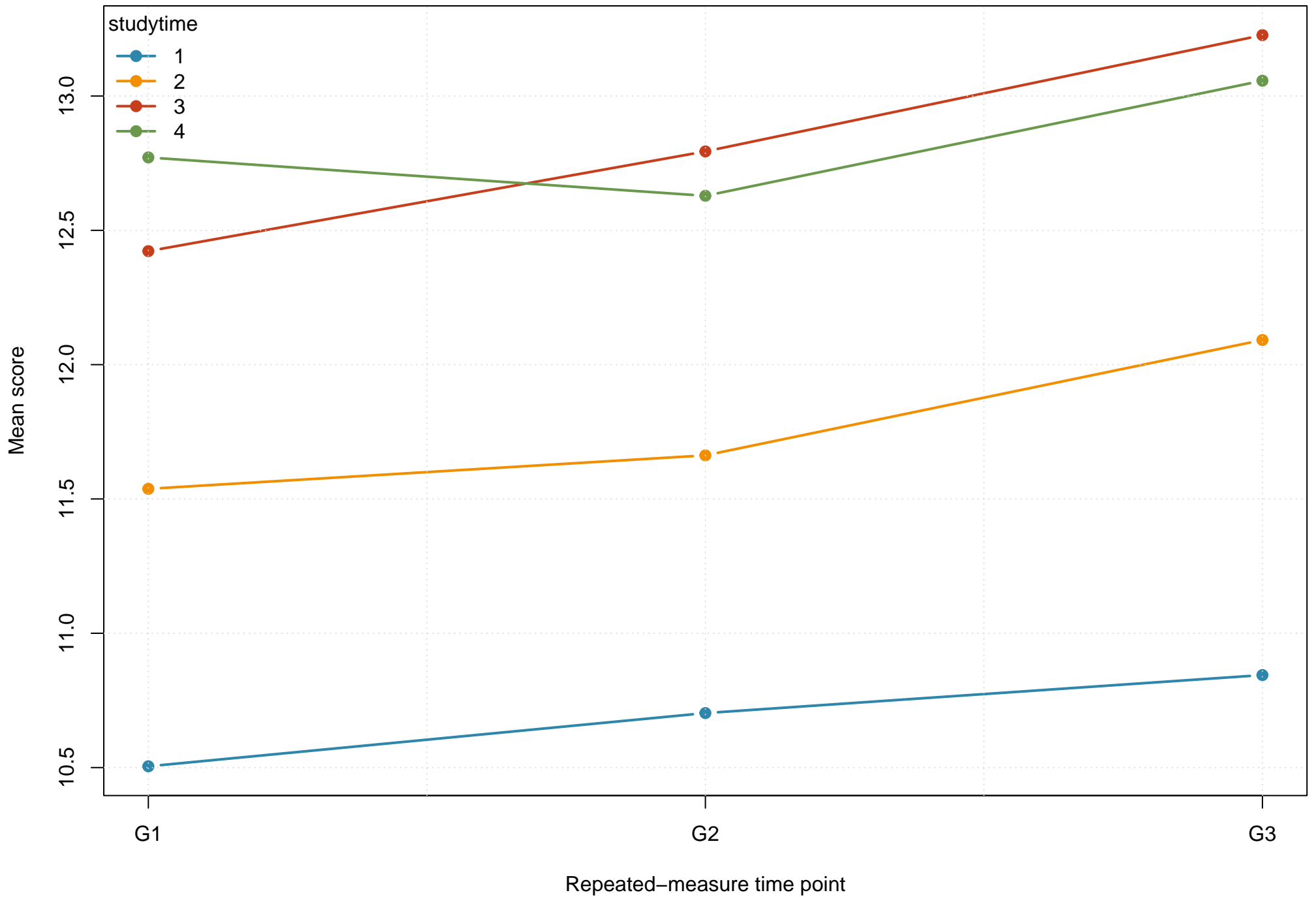
Correlation among Repeated Measures

Related repeated outcomes justify a multivariate repeated-measures approach.



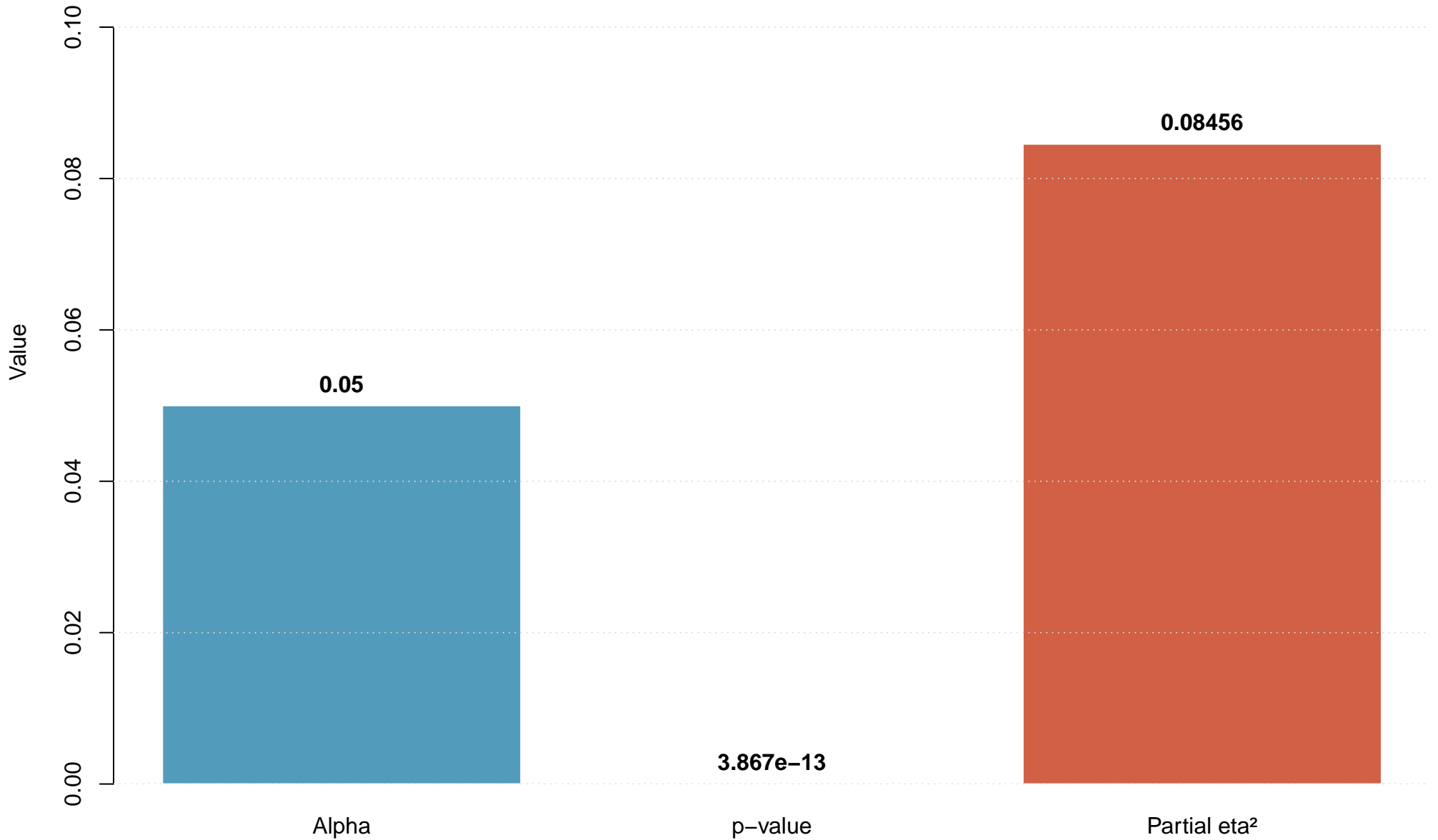
Repeated-Measure Profiles by Group

Separate mean profiles show whether repeated-measure change differs by group.



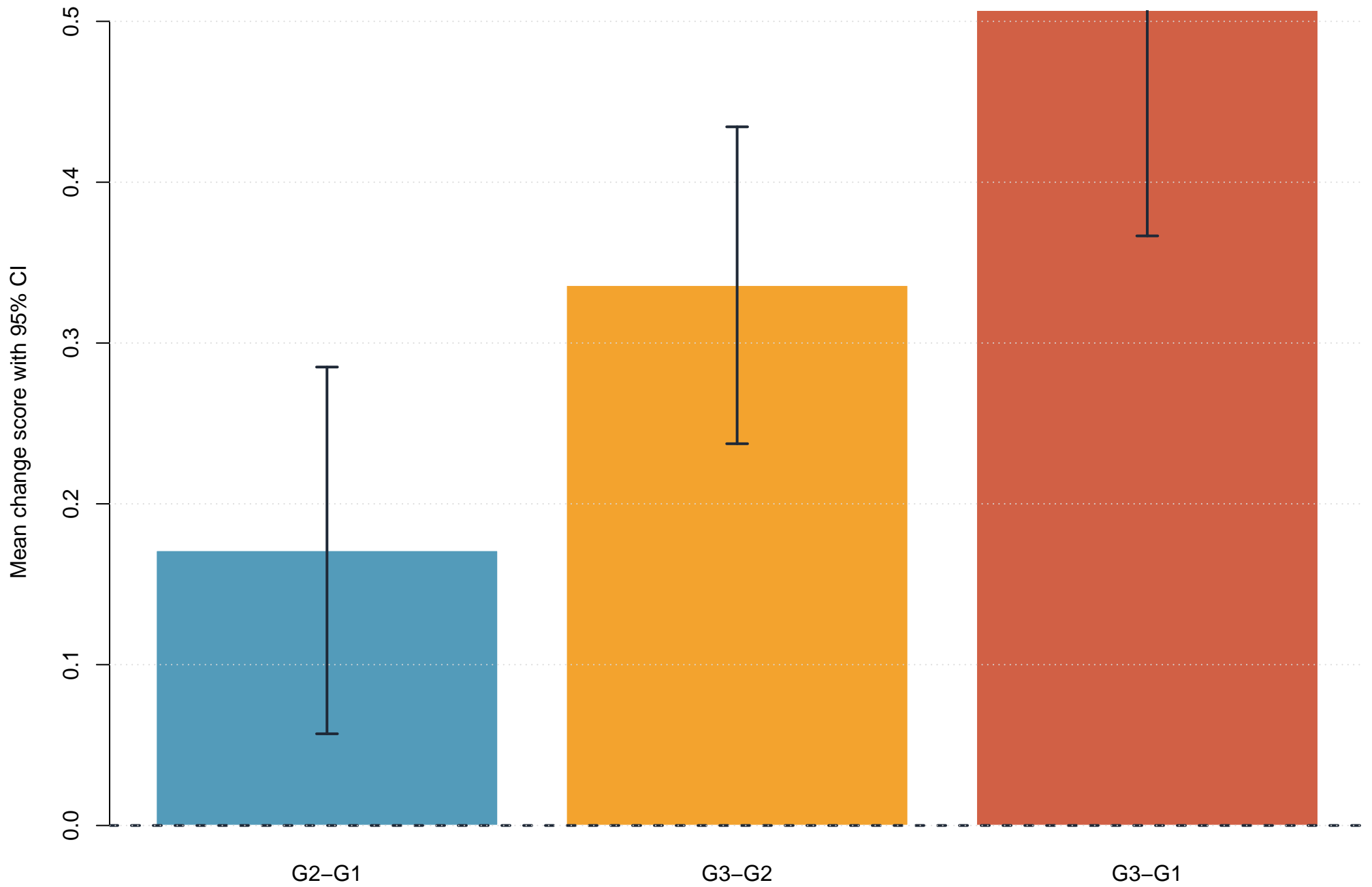
Hotelling T² Summary for Time Effect

The p-value tests multivariate within-subject change across repeated outcomes.



Mean Change Scores with 95% Confidence Intervals

Repeated Measures MANOVA tests the change-score vector jointly.



Repeated Measures MANOVA Summary Table

Primary decision is based on Hotelling T^2 for repeated-measure contrasts.

Hotelling T^2 : 59.8558

F: 29.8817

df: 2, 647

p-value: 0.00000000

partial eta squared: 0.084559

Decision: Reject no multivariate time change