

## Repeated Measures MANOVA Report

Hotelling  $T^2 = 59.855810$

$F(2, 647) = 29.881720$

p-value = 0.00000000

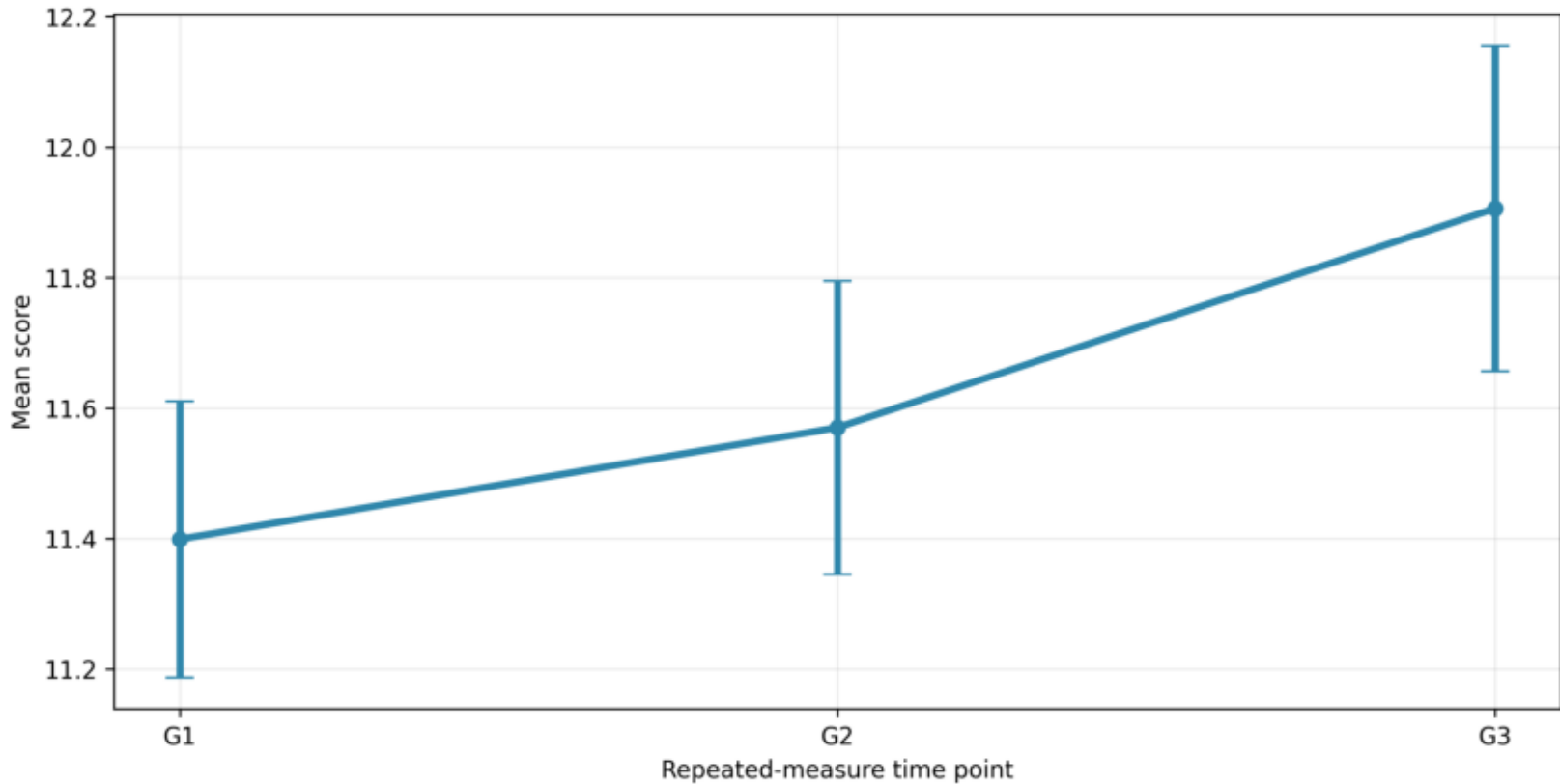
partial  $\eta^2 = 0.084559$

Decision: Reject no multivariate time change

The report charts are embedded on the following pages.

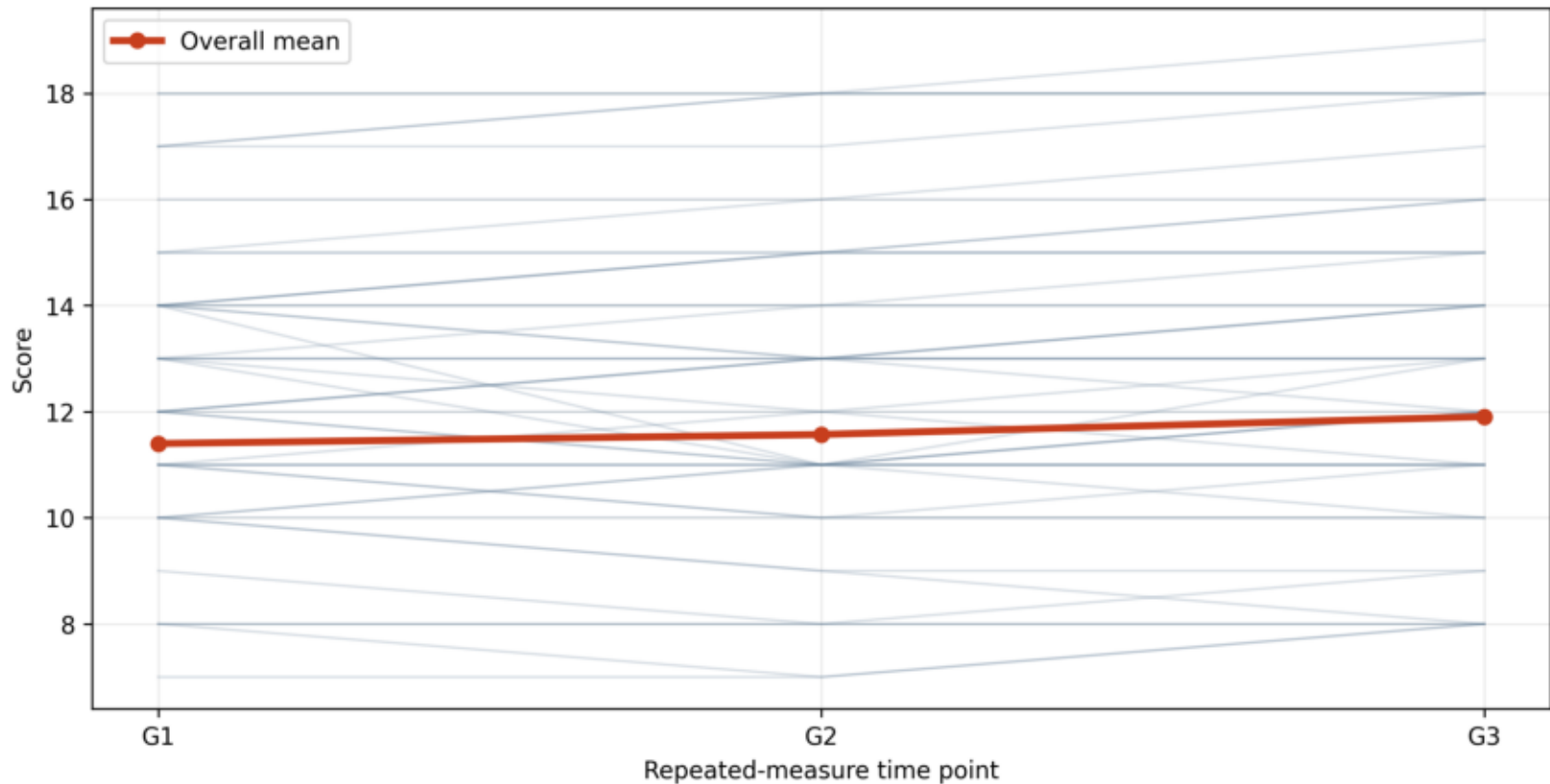
# Repeated Measures MANOVA: Mean Profile

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



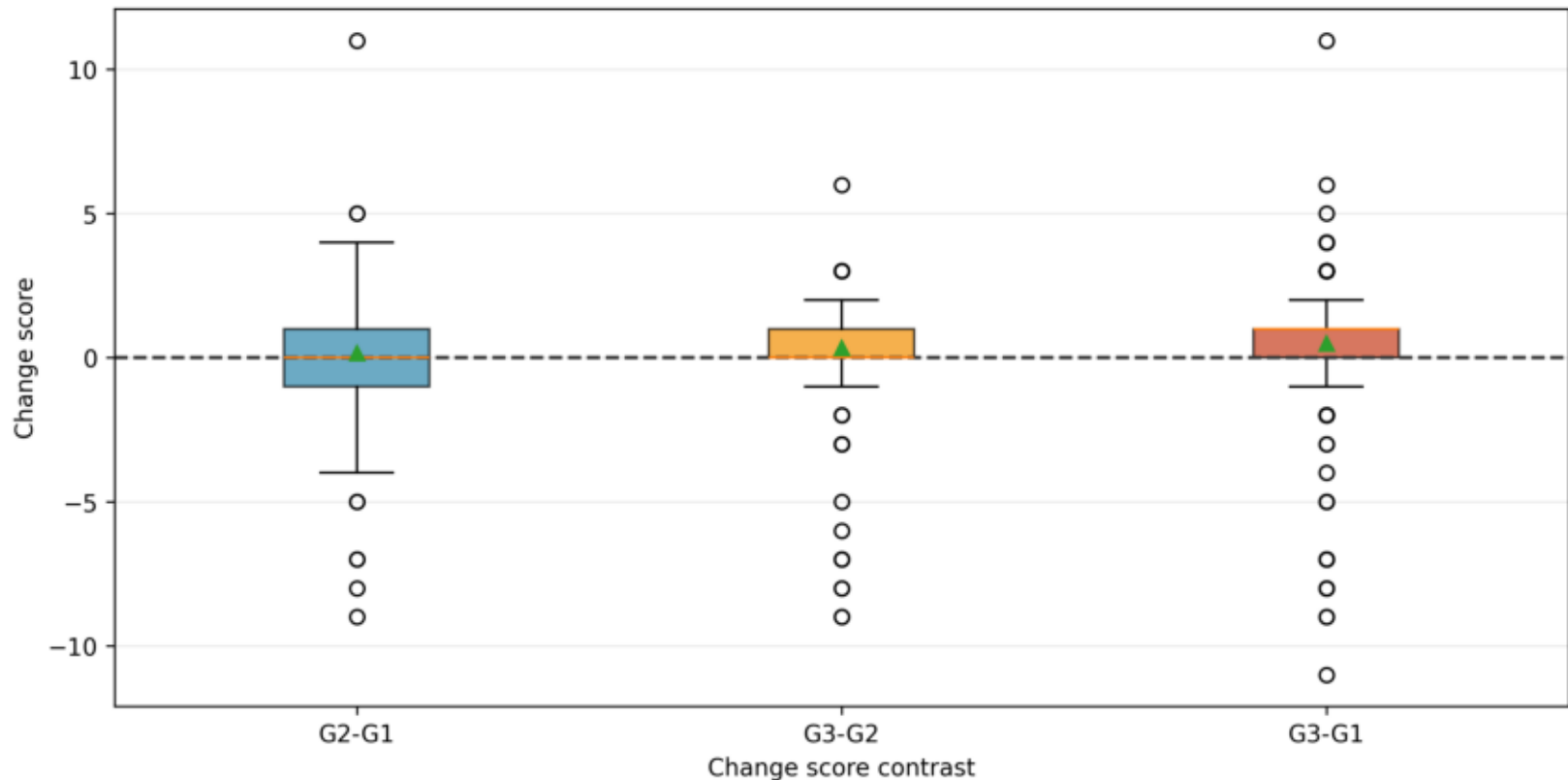
# Individual Repeated-Measure Trajectories

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



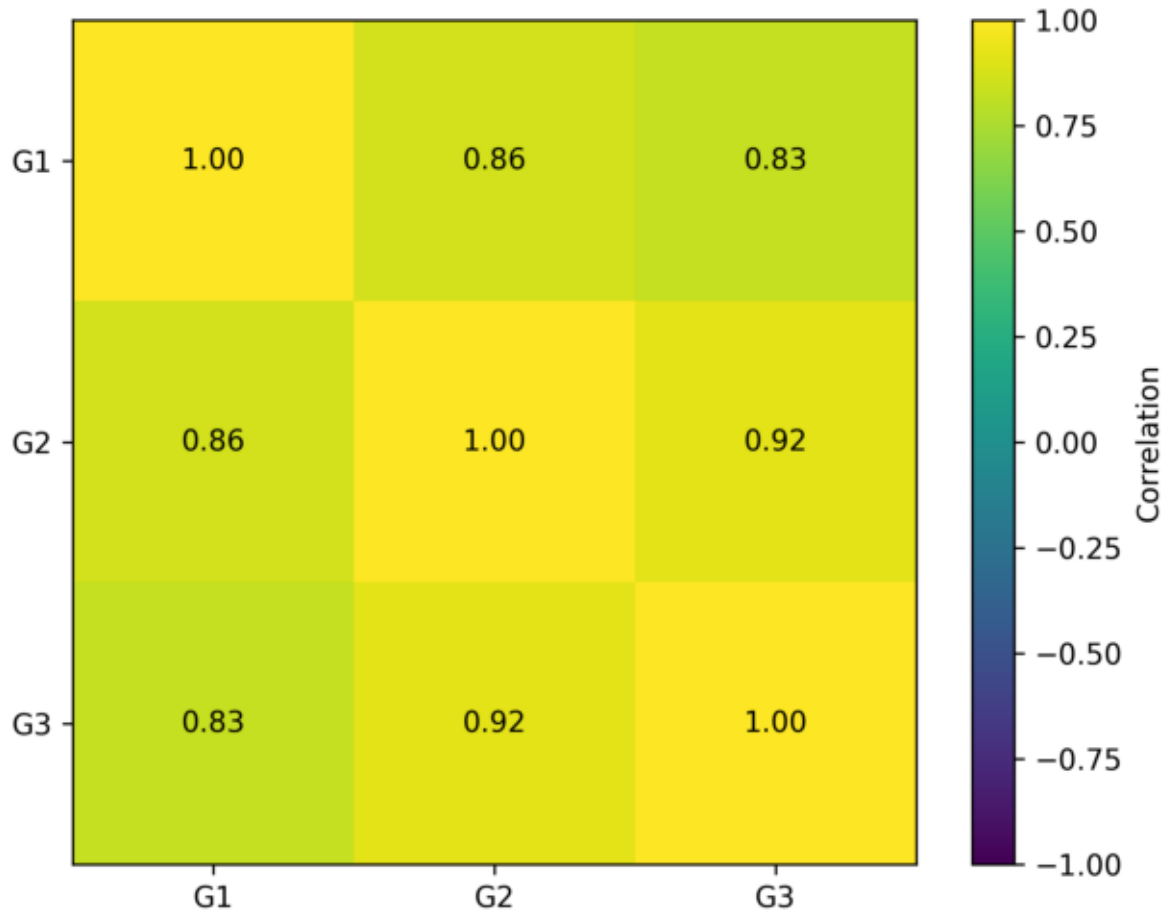
# Repeated Measures MANOVA: Change Score Distributions

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



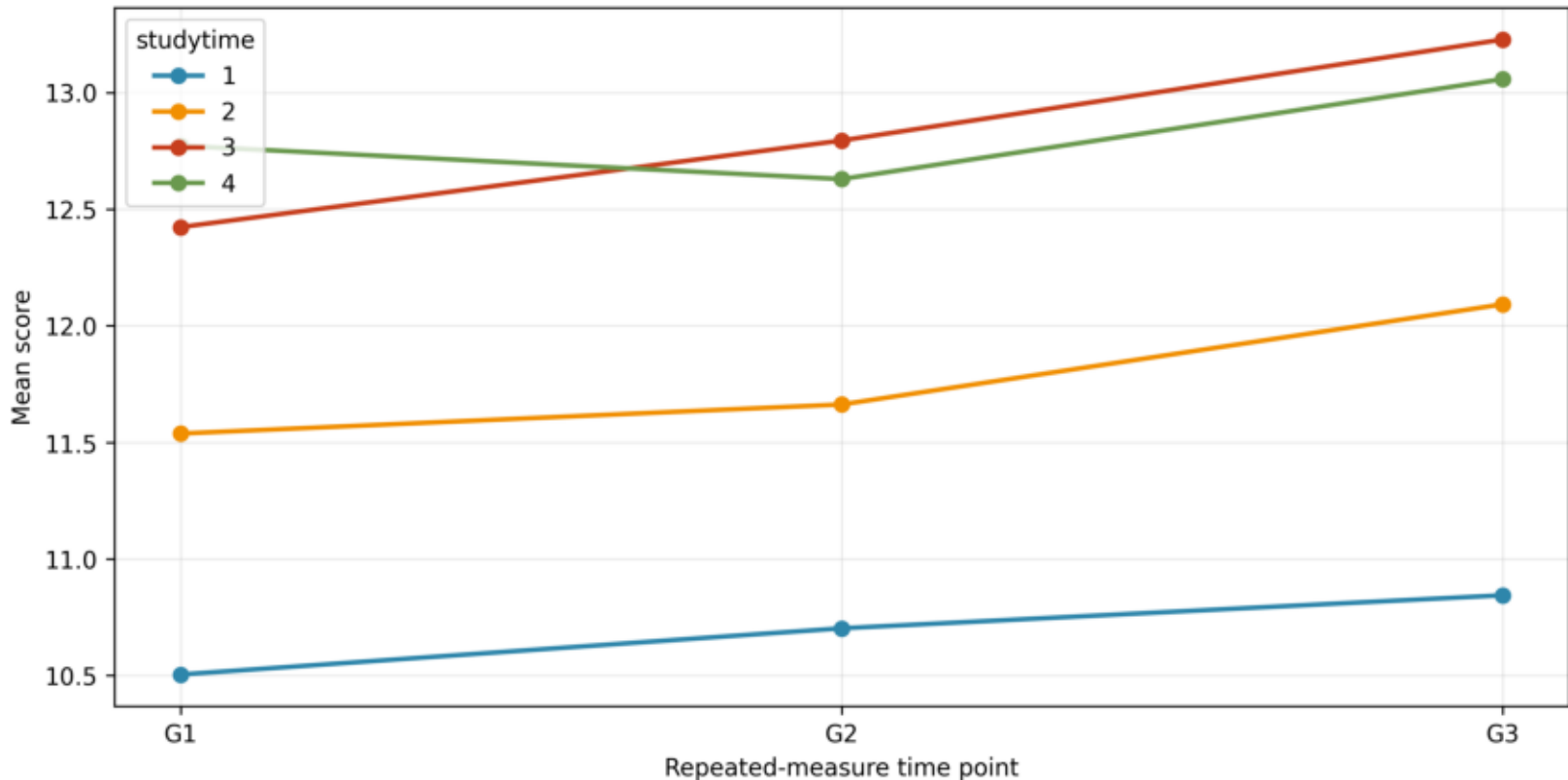
# Correlation among Repeated Measures

Related repeated outcomes justify a multivariate repeated-measures approach.



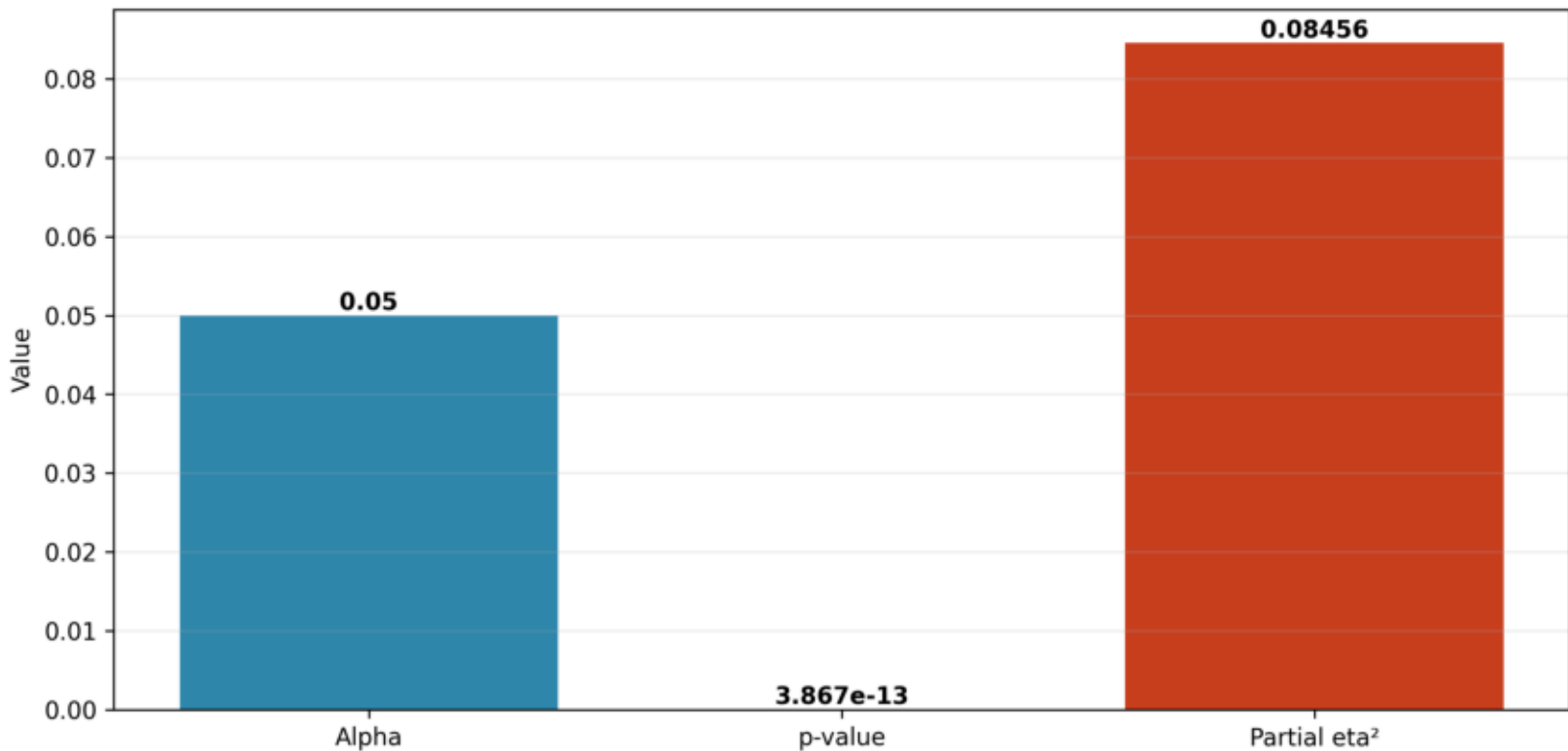
# Repeated-Measure Profiles by Group

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



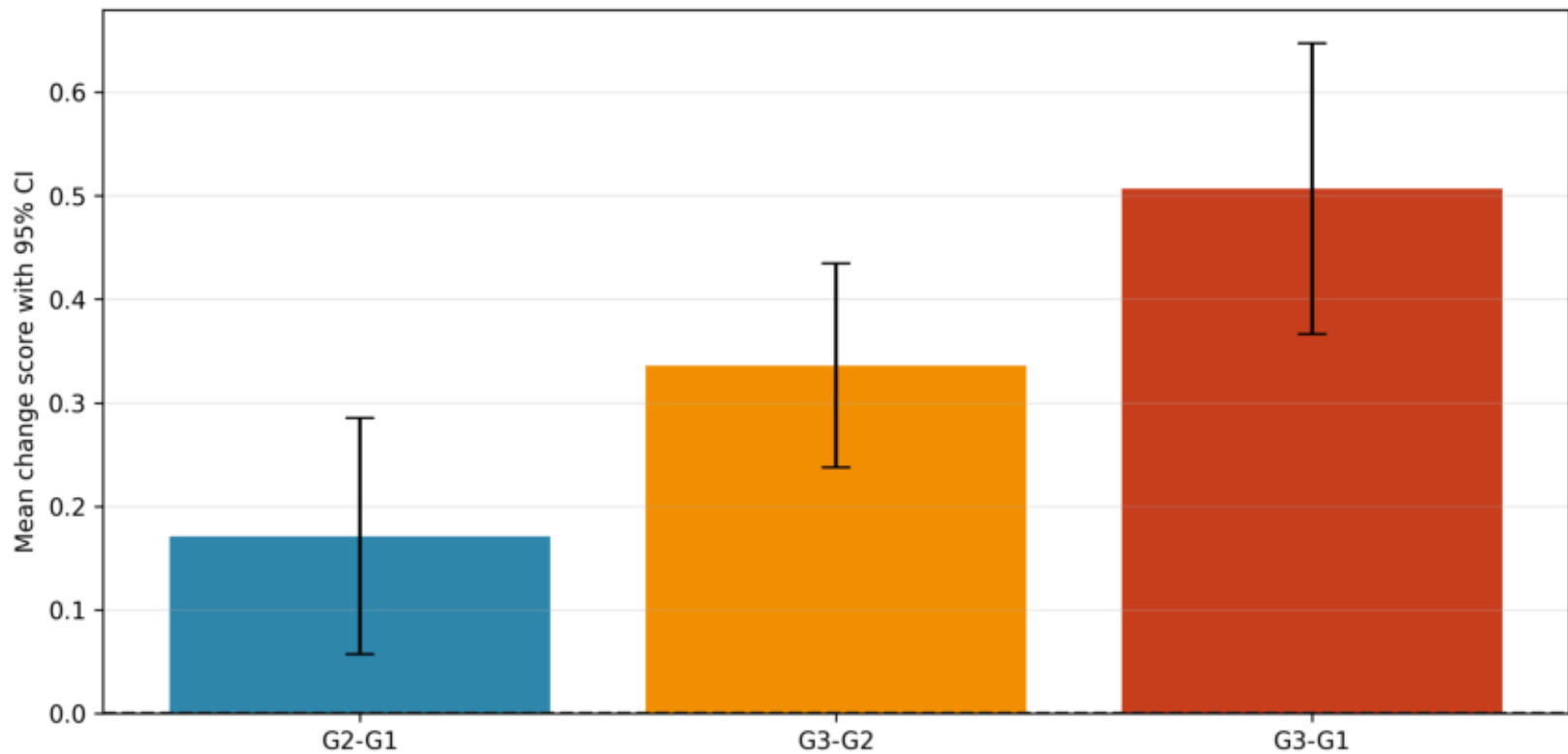
# Hotelling T<sup>2</sup> Summary for Time Effect

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.

Result	$T^2$	F	p / $\eta^2$	Decision
Hotelling $T^2$	59.8558	29.8817	3.86691e-13	Reject no multivariate time change
Partial $\eta^2$			0.0846	Effect-size estimate for time