

Statistical Test Result #191 — Analysis Report

Generated 2026-09-21 02:38:21 · 1 run(s) · CAT-G Data Analyzer

1. repeated measures (#191)

2026-09-21 02:16:57 · statistical_test · status: completed

The repeated measures on the response completed.

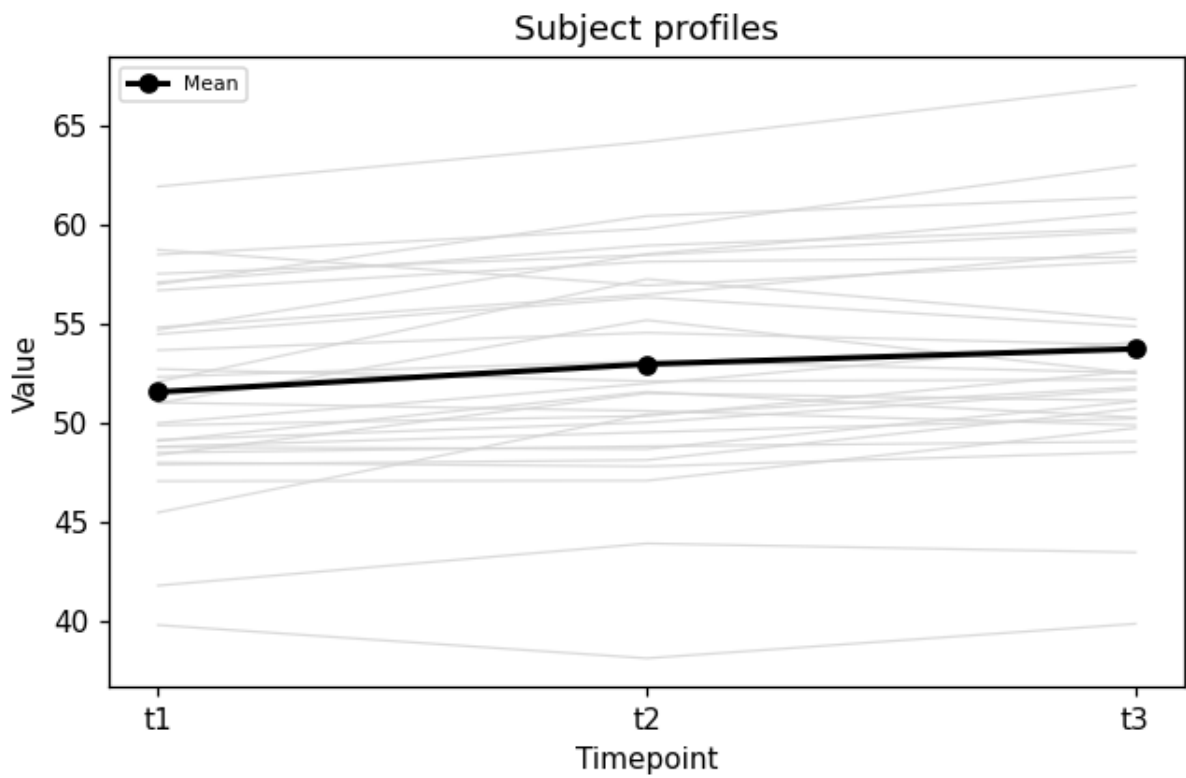
method	repeated_measures
n_subjects	30
n_timepoints	3
between_col	group
derived_dataset_id	710

anova table

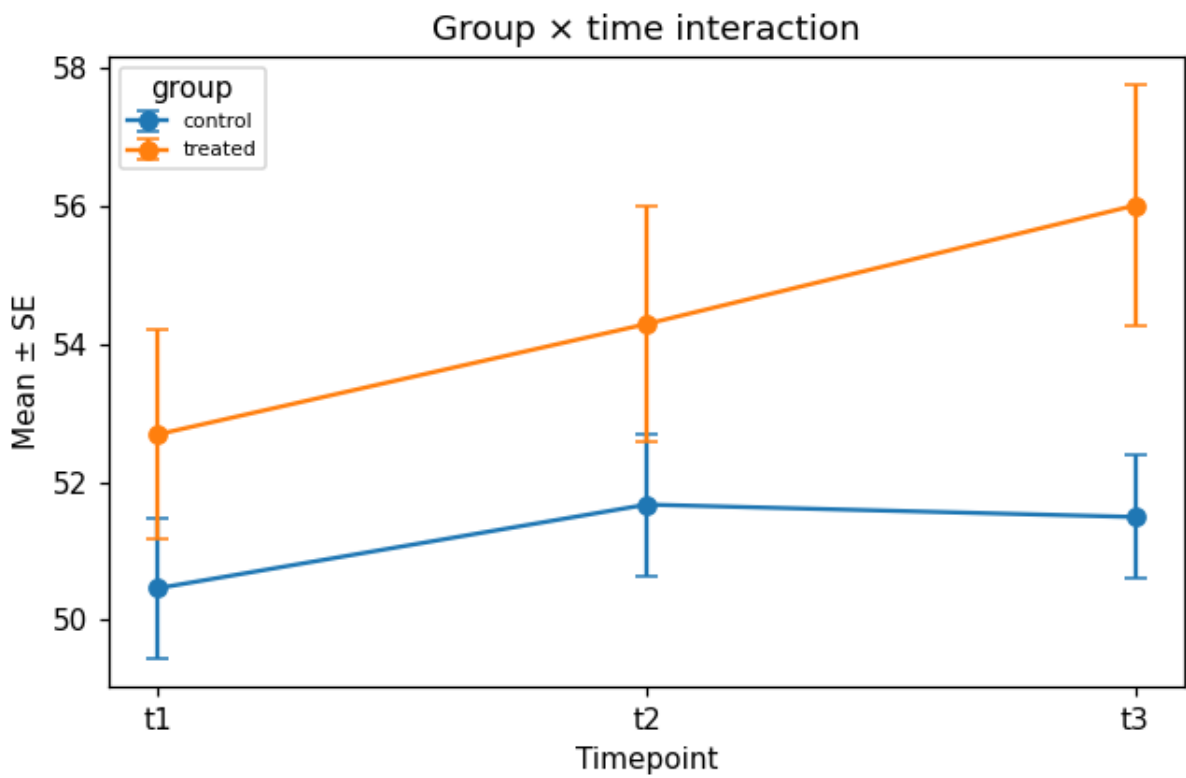
term	df	df_error	F	p
group (between)	1.0	28.0	2.706728	0.111107
time	2.0	56.0	30.666978	0.0
time × group	2.0	56.0	9.444349	0.000292

timepoint means

name	value
t1	51.578009
t2	52.98408
t3	53.75412



profile plot



interaction plot

Method & Provenance

method	Repeated-measures ANOVA
--------	-------------------------

engine	Python · statsmodels 0.14.6
datasets	gallery — example_repeated_measures.csv
started	2026-09-21 02:16:57.609141
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/912162730f9b4e7f9d1dca324562

Parameter	Value
test_type	repeated_measures
timepoint_cols	t1, t2, t3
between_col	group

Command history

```
# python
from statsmodels.stats.anova import AnovaRM

# python
fit = AnovaRM(long_df, depvar='value', subject='subject', within=['time']).fit()
```