

Statistical Test Result #186 — Analysis Report

Generated 2026-09-21 02:38:07 · 1 run(s) · CAT-G Data Analyzer

1. t test (#186)

2026-09-21 02:16:40 · statistical_test · status: completed

The independent on value across group groups was statistically significant ($p < 0.001$).

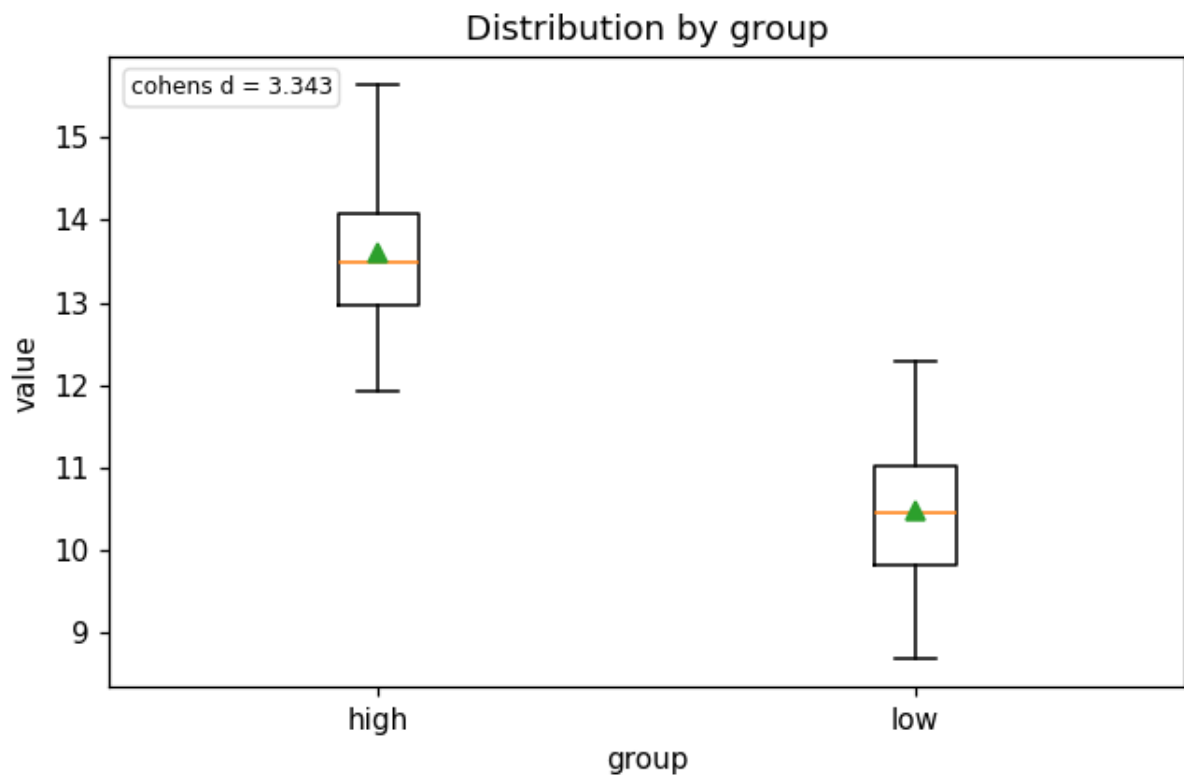
statistic	11.818765
p_value	0.0
significant	True
test_type	independent
test_variant	Student's t-test (equal variances assumed)
levene_p	0.641388
value_col	value
group_col	group

group stats

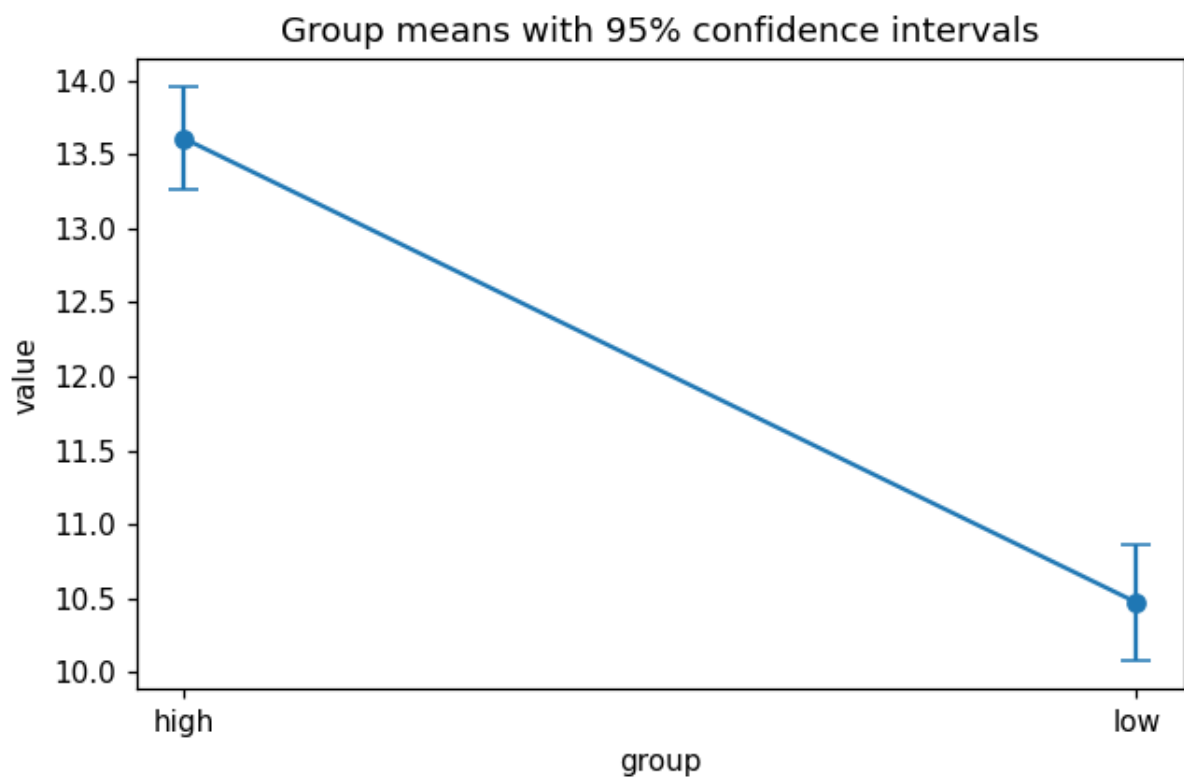
group	n	mean	sd	median	min	max
high	25	13.606847	0.877117	13.486133	11.932558	15.628616
low	25	10.471072	0.995267	10.446981	8.686865	12.276171

effect size

name	value
name	cohens_d
value	3.342852



group boxplot



mean ci

Method & Provenance

method	Student's / Welch's t-test
--------	----------------------------

engine	Python · scipy 1.17.1
datasets	gallery — example_posthoc_two_groups.csv
started	2026-09-21 02:16:40.616341
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/60e2706272dd49bb8dfecc7303fb

Parameter	Value
test_type	independent
value_col	value
group_col	group

Command history

```
# python
from scipy import stats

# python
stat, p = stats.ttest_ind(group_a, group_b, equal_var=<levane>)
```