

Statistical Test Result #187 — Analysis Report

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

1. mann whitney (#187)

2026-09-21 02:16:42 · statistical_test · status: completed

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

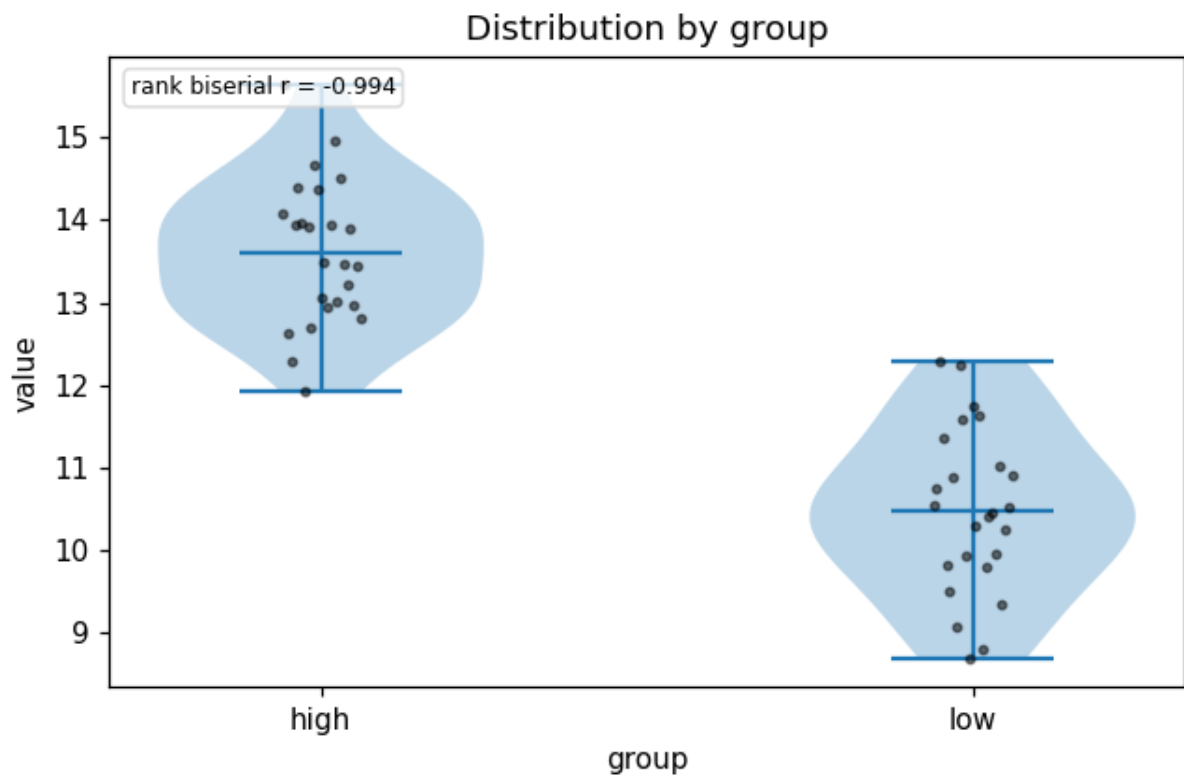
statistic	623.0
p_value	0.0
significant	True
alternative	two-sided
method	asymptotic (normal approximation)
rank_biserial_r	-0.9936
value_col	value
group_col	group

group stats

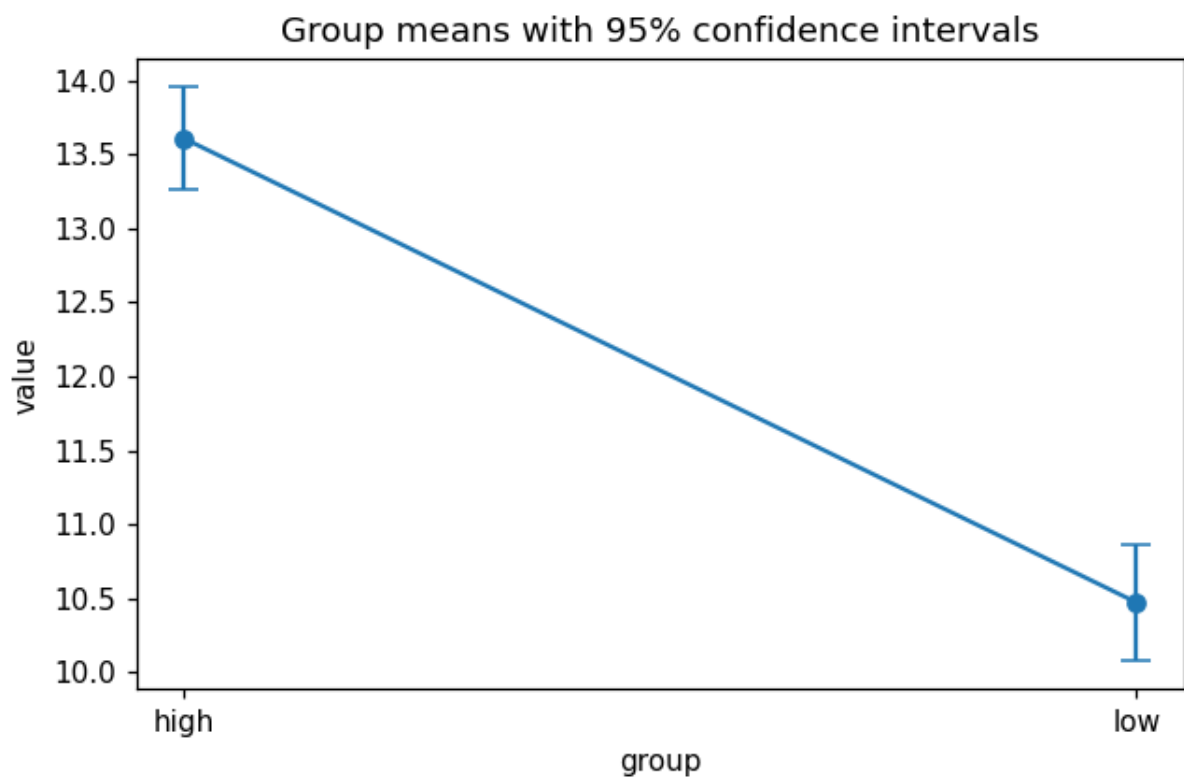
group	n	mean	sd	median	min	max
high	25	13.606847	0.877117	13.486133	11.932558	15.628616
low	25	10.471072	0.995267	10.446981	8.686865	12.276171

effect size

name	value
name	rank_biserial_r
value	-0.9936



group violin



mean ci

Method & Provenance

method	Mann-Whitney U test
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engine	Python · scipy 1.17.1
datasets	gallery — example_posthoc_two_groups.csv
started	2026-09-21 02:16:42.978151
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/1be5947e8391456e8df328daaf73

Parameter	Value
test_type	mann_whitney
value_col	value
group_col	group

Command history

```
# python
from scipy import stats

# python
stat, p = stats.mannwhitneyu(group_a, group_b, alternative='two-sided')
```