

Statistical Test Result #193 — Analysis Report

Generated 2026-09-21 02:38:51 · 1 run(s) · CAT-G Data Analyzer

1. t test (#193)

2026-09-21 02:17:43 · statistical_test · status: completed

The independent on Feature_1 across Phenotype groups was not statistically significant ($p = 0.122$).

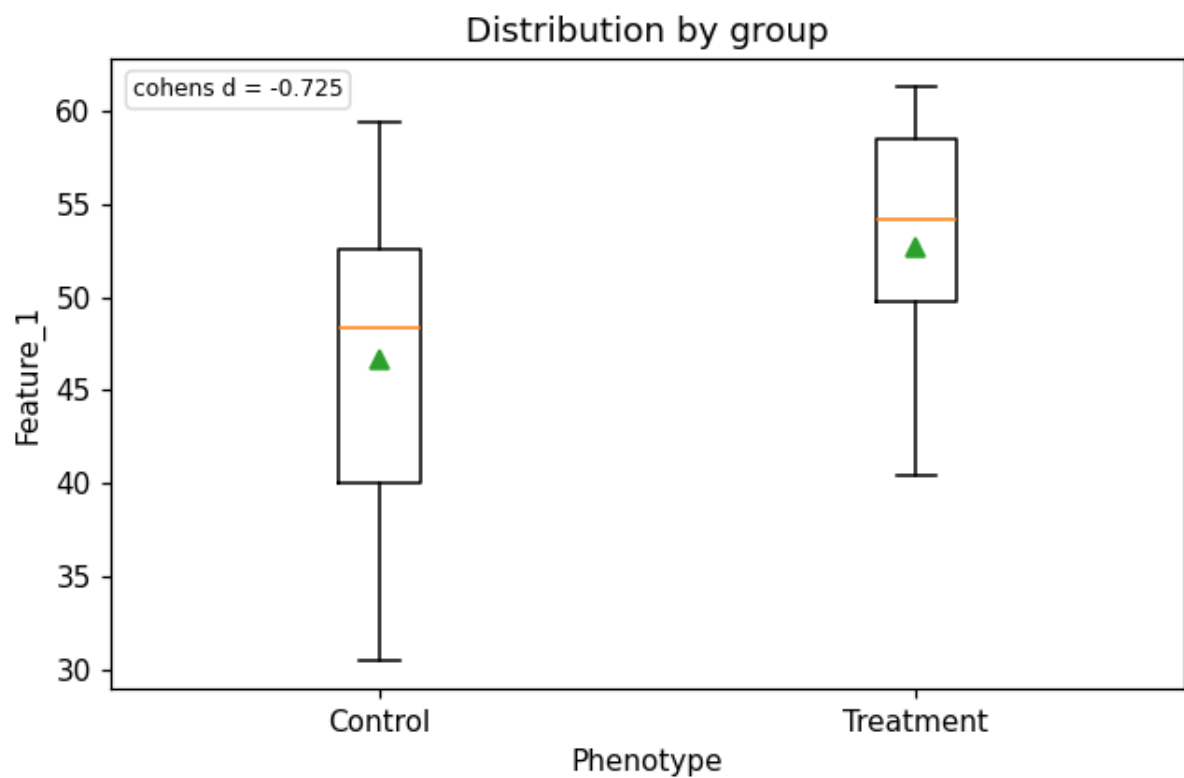
statistic	-1.62056
p_value	0.122498
significant	False
test_type	independent
test_variant	Student's t-test (equal variances assumed)
levene_p	0.367509
value_col	Feature_1
group_col	Phenotype

group stats

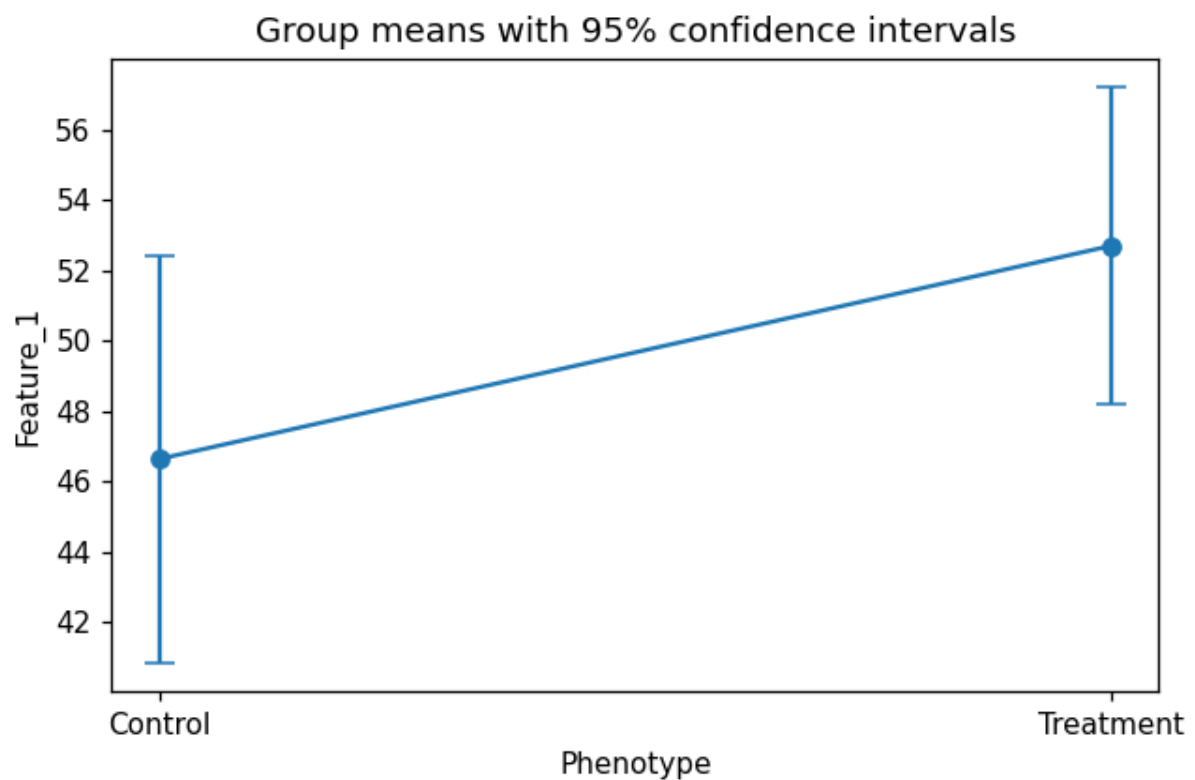
group	n	mean	sd	median	min	max
Control	10	46.644287	9.334944	48.334781	30.489648	59.405647
Treatment	10	52.697071	7.23607	54.181301	40.411174	61.272412

effect size

name	value
name	cohens_d
value	-0.724737



group boxplot



mean ci

Method & Provenance

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

engine	Python · scipy 1.17.1
datasets	gallery — demo_simple.csv
started	2026-09-21 02:17:43.297810
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/d1b299470a2b4e1993972286fbf0

Parameter	Value
test_type	independent
value_col	Feature_1
group_col	Phenotype

Command history

```
# python
from scipy import stats

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