

Statistical Test Result #180 — Analysis Report

Generated 2026-09-21 02:36:02 · 1 run(s) · CAT-G Data Analyzer

1. anova (#180)

2026-09-21 02:12:21 · statistical_test · status: completed

The anova on PC_SHOOTMASS across RANCH groups was statistically significant ($p < 0.001$).

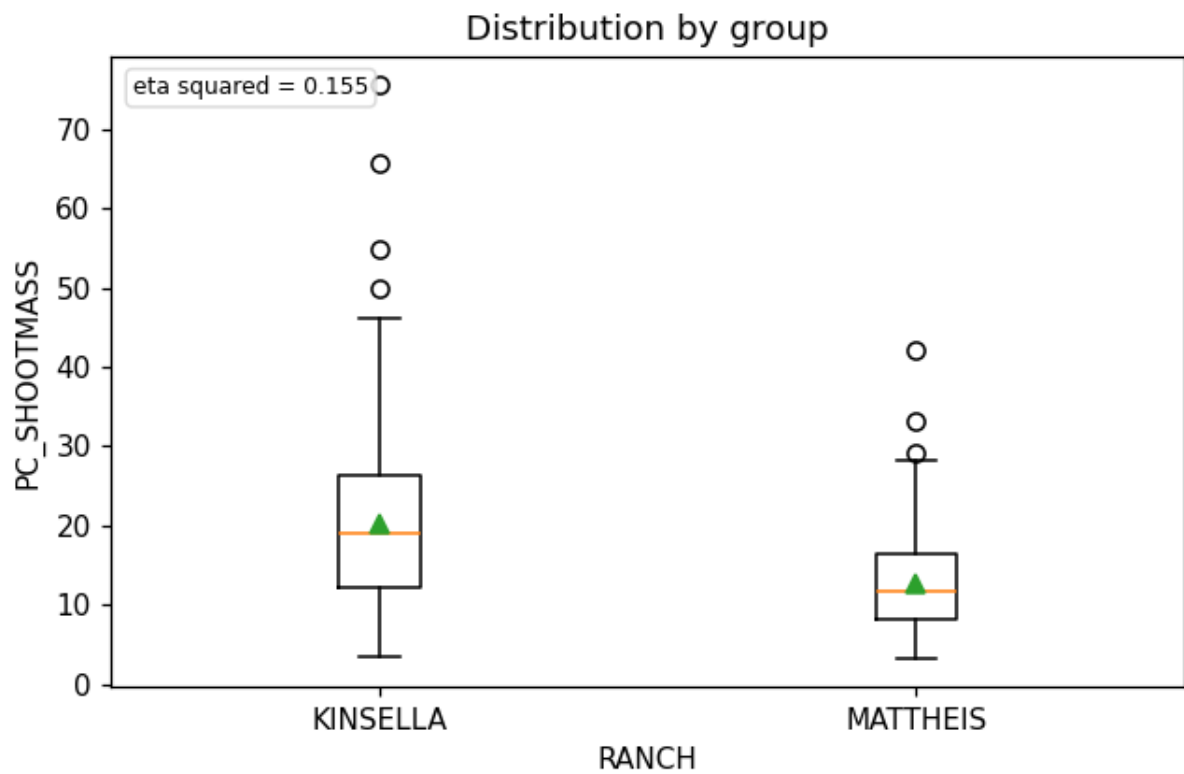
statistic	71.66536
p_value	0.0
significant	True
num_groups	2
value_col	PC_SHOOTMASS
group_col	RANCH

group stats

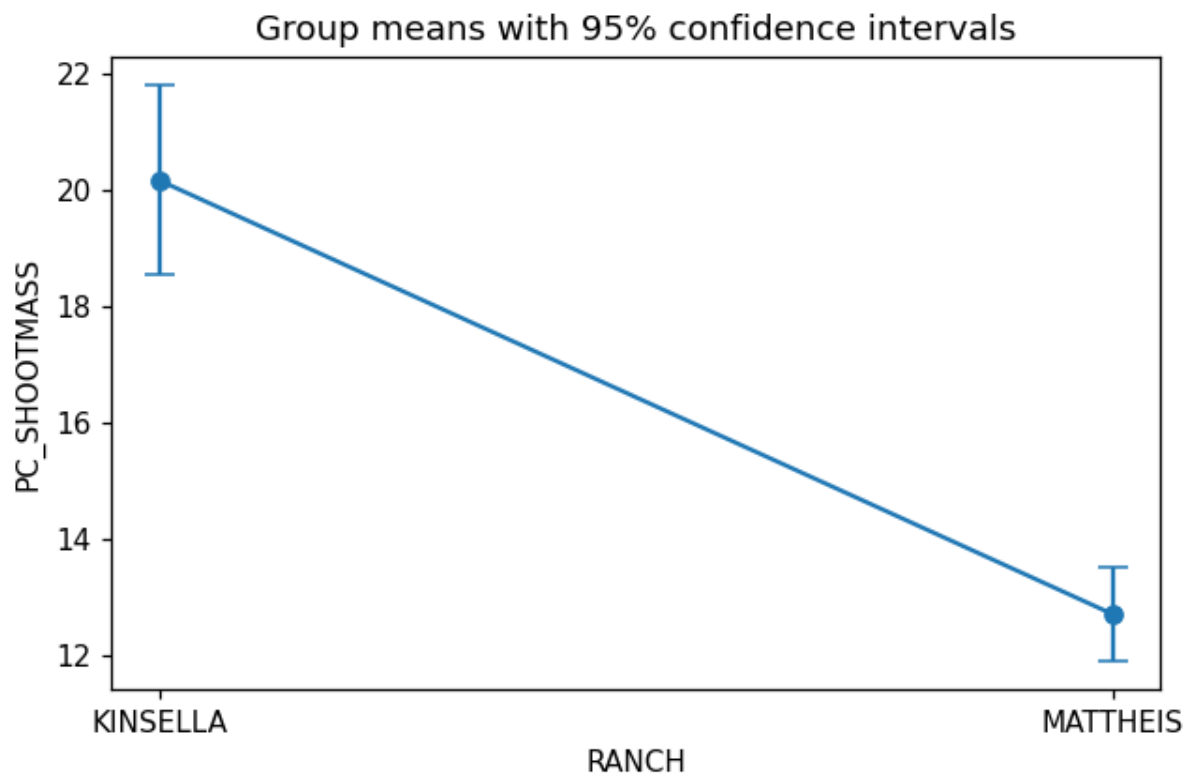
group	n	mean	sd	median	min	max
KINSELLA	179	20.162511	11.076508	18.9825	3.4285	75.4495
MATTHEIS	214	12.719743	5.981135	11.6025	3.2685	42.0715

effect size

name	value
name	eta_squared
value	0.154897



group boxplot



mean ci

Method & Provenance

method	One-way ANOVA
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engine	Python · scipy 1.17.1
datasets	gallery — cat_g_field_data_plots.csv
started	2026-09-21 02:12:21.702208
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/a8c43488daed4cf684d4cd956135

Parameter	Value
test_type	anova
value_col	PC_SHOOTMASS
group_col	RANCH

Command history

```
# python
from scipy import stats

# python
stat, p = stats.f_oneway(*groups)
```