

Correlation Result #109 — Analysis Report

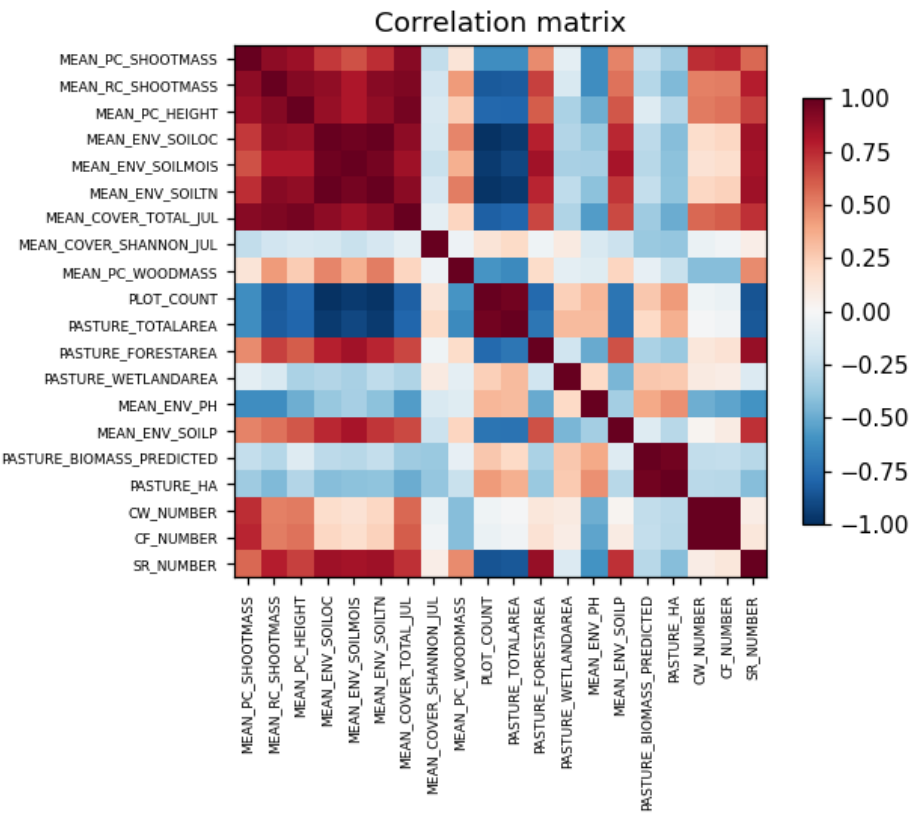
Generated 2026-09-21 02:36:51 · 1 run(s) · CAT-G Data Analyzer

1. correlation (#109)

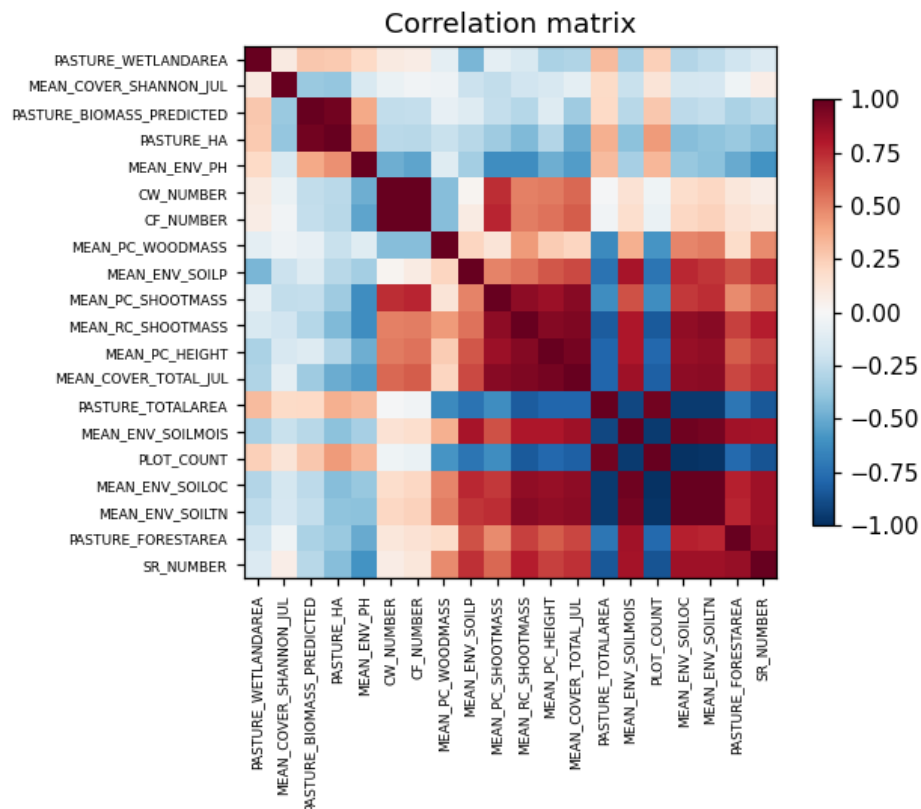
2026-09-21 02:14:01 · correlation · status: completed

The strongest correlation is between MEAN_ENV_SOILOC and MEAN_ENV_SOILT^N ($r = 0.996$, positive).

n_pairs_tested	190
n_significant_fdr_05	58
fdr_method	Benjamini-Hochberg
title	Correlation matrix



correlation heatmap



correlation clustered

Method & Provenance

method	Pearson correlation
engine	Python · pandas/scipy 1.17.1
datasets	gallery — catg_example_02_grazing_carrying_capacity.csv
started	2026-09-21 02:14:01.070211
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/7dd486646cea49a78f4f0059dde2

Parameter	Value
method	pearson

Command history

```
# python
corr = df.corr(method='pearson')

# python
from scipy import stats

# python
r, p = stats.pearsonr(x, y) # per pair

# python
q = statsmodels.stats.multitest.multipletests(p_values, method='fdr_bh')
```