

# Correlation Result #108 — Analysis Report

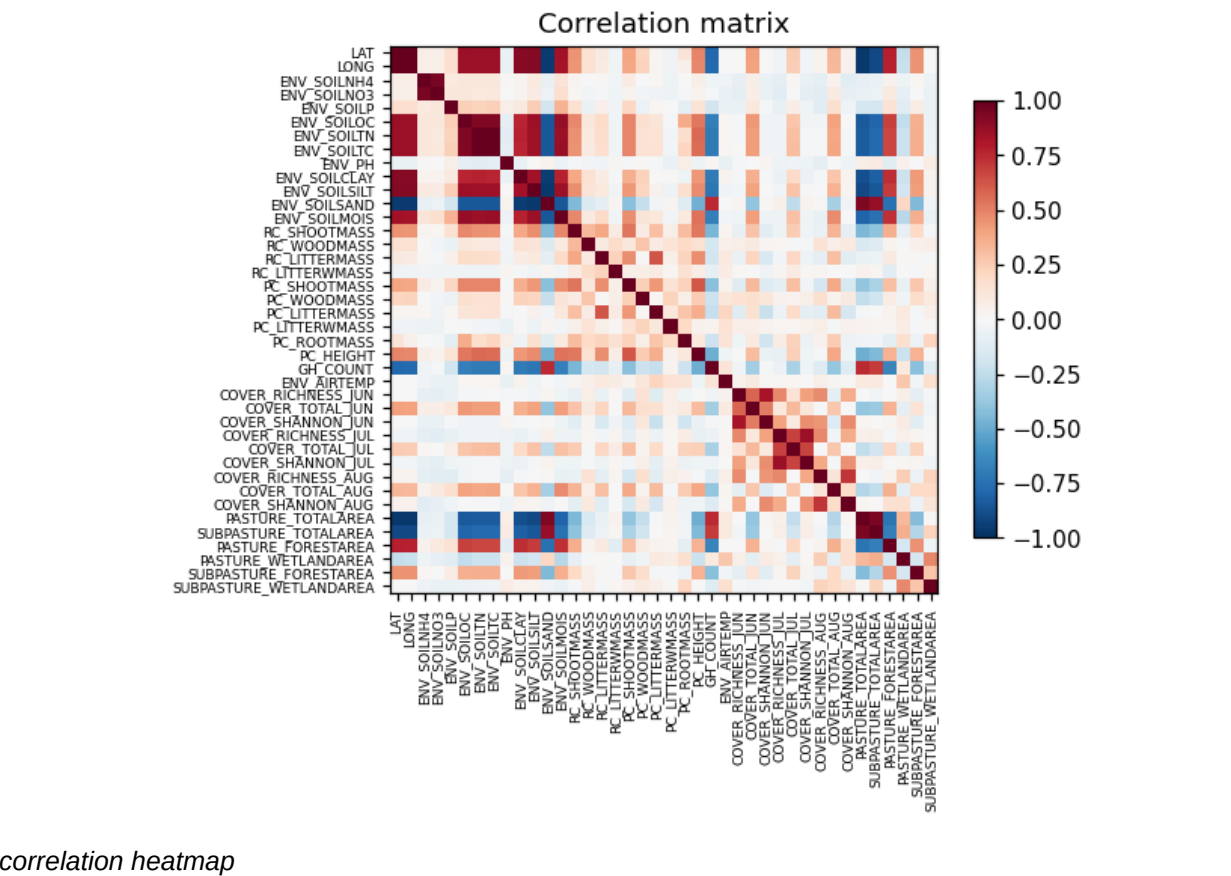
Generated 2026-09-21 02:36:07 · 1 run(s) · CAT-G Data Analyzer

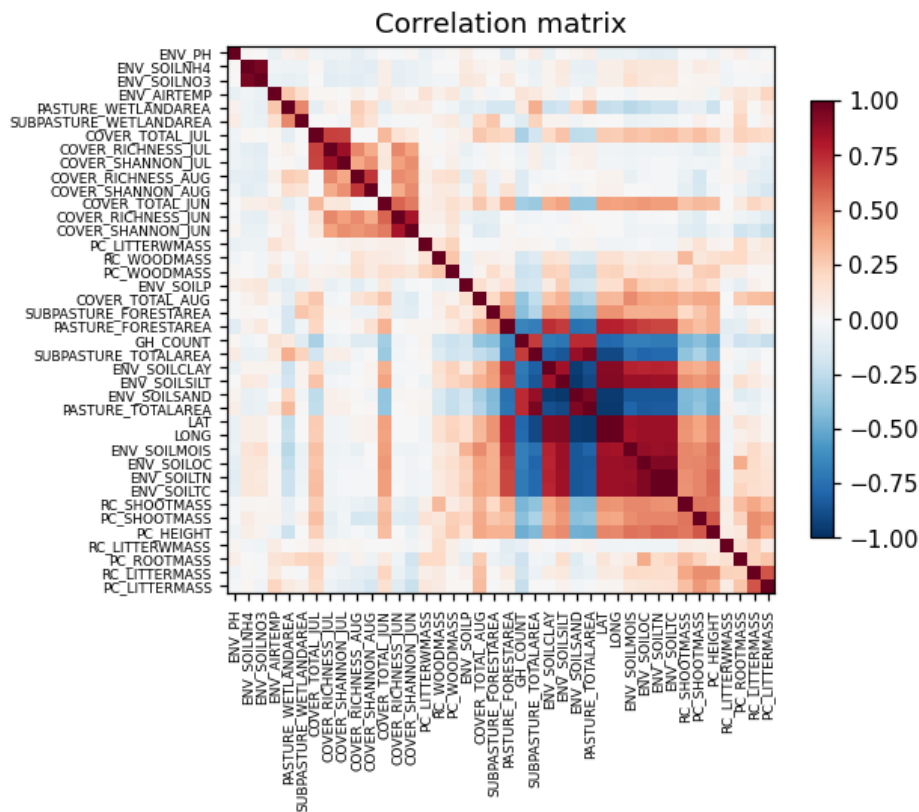
## 1. correlation (#108)

2026-09-21 02:12:25 · correlation · status: completed

The strongest correlation is between LAT and LONG ( $r = 0.999$ , positive).

|                      |                    |
|----------------------|--------------------|
| n_pairs_tested       | 780                |
| n_significant_fdr_05 | 332                |
| fdr_method           | Benjamini-Hochberg |
| title                | Correlation matrix |





*correlation clustered*

## Warnings

- Excluded identifier-like numeric column(s): PLOT. These look like bookkeeping fields rather than measurements and were left out of the correlation matrix.

## Method & Provenance

|                |                                                                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| method         | Pearson correlation                                                                                                                                                                 |
| engine         | Python · pandas/scipy 1.17.1                                                                                                                                                        |
| datasets       | gallery — cat_g_field_data_plots.csv                                                                                                                                                |
| started        | 2026-09-21 02:12:25.478747                                                                                                                                                          |
| permanent link | <a href="https://cat-g-omxpert.wishartlab.com/results/by-token/326b3d0fdd824485b8bbf289d288">https://cat-g-omxpert.wishartlab.com/results/by-token/326b3d0fdd824485b8bbf289d288</a> |

| 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')
```