

Ordination Result #51 — Analysis Report

Generated 2026-09-21 02:37:45 · 1 run(s) · CAT-G Data Analyzer

1. ordination (#51)

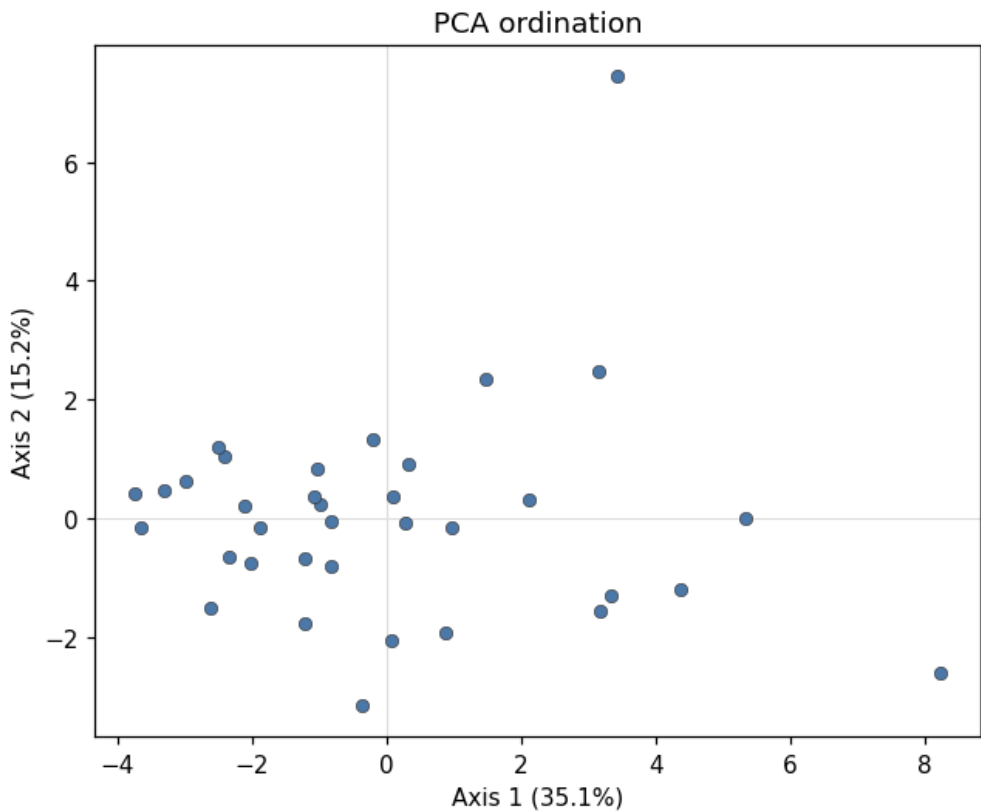
2026-09-21 02:15:57 · ordination · status: completed

The first two PCA axes capture 50.3% of the total variance in the data.

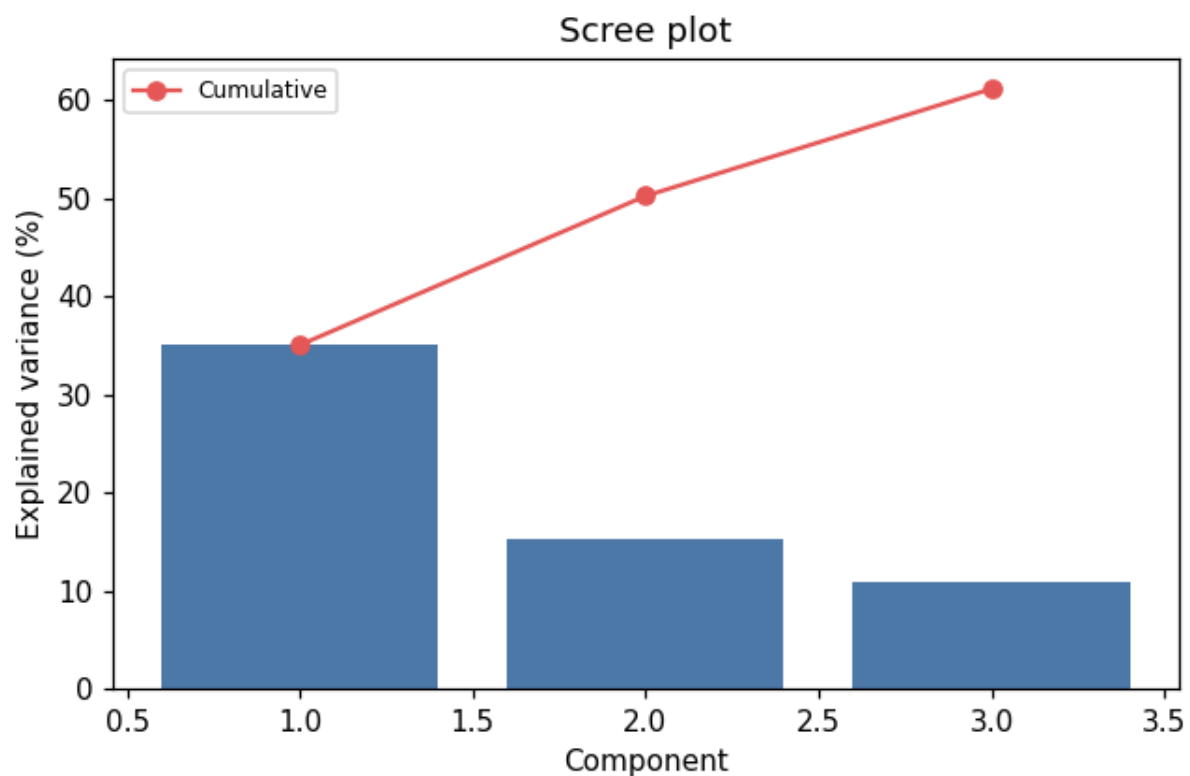
n_components	3
method	pca
n_rows	35
n_dropped	61

explained variance

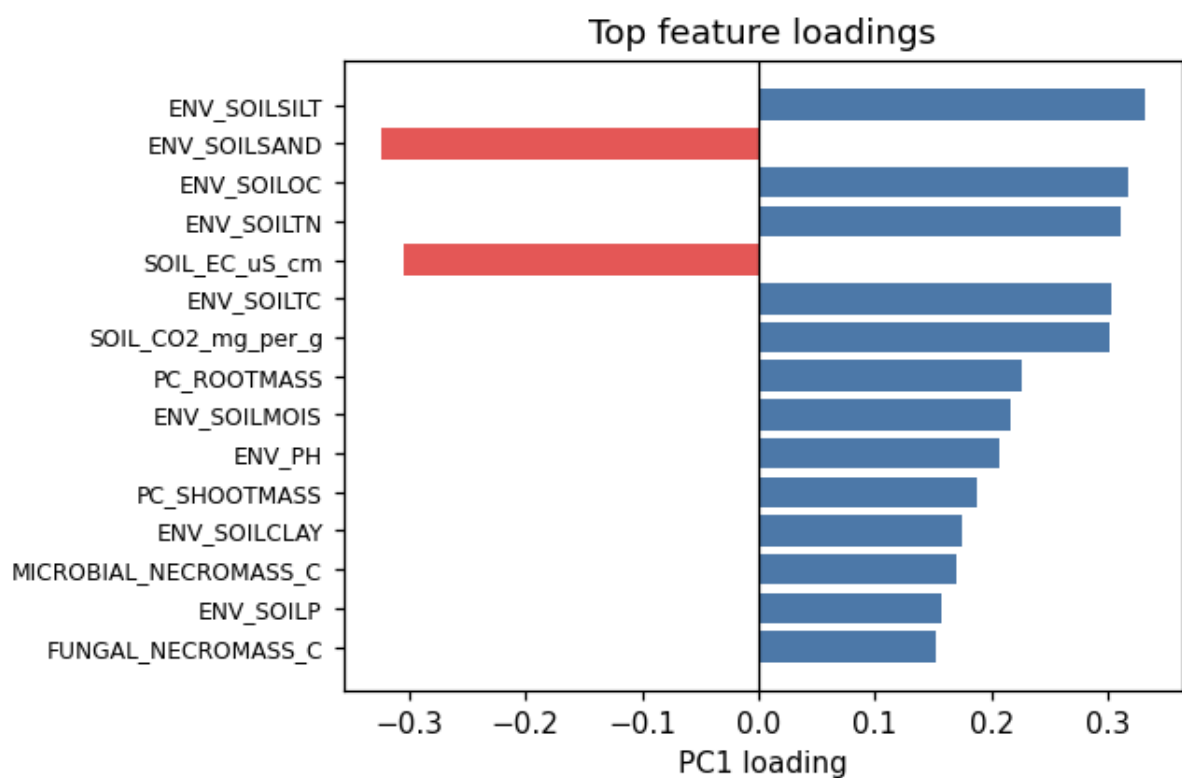
Axis	Fraction	Cumulative
Axis 1	0.350574	0.350574
Axis 2	0.151965	0.50254
Axis 3	0.109158	0.611697



ordination scatter



scree



loadings

Warnings

- Excluded identifier-like numeric column(s): PLOT. These look like bookkeeping fields rather than measurements. Select feature columns explicitly if you intended to include them.

Method & Provenance

method	Ordination — PCA
engine	Python · scikit-learn 1.8.0
datasets	gallery — catg_example_07_microbial_soil_biology.csv
started	2026-09-21 02:15:57.280156
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/fb6cf1f402b54feeabd9bf3da95b64

Value
pca
pca
LSILT, ENV_SOILSAND, ENV_SOILMOIS, PC_SHOOTMASS, PC_ROOTMASS, PC_LITTERMASS, COVER_TOTAL_JUL, COVER_TOTAL_AUG
3

Command history

```
# python
from sklearn.decomposition import PCA

# python
from sklearn.preprocessing import StandardScaler

# python
X_scaled = StandardScaler().fit_transform(X)

# python
coords = PCA(n_components=3).fit_transform(X_scaled)
```