

Ordination Result #50 — Analysis Report

Generated 2026-09-21 02:37:06 · 1 run(s) · CAT-G Data Analyzer

1. ordination (#50)

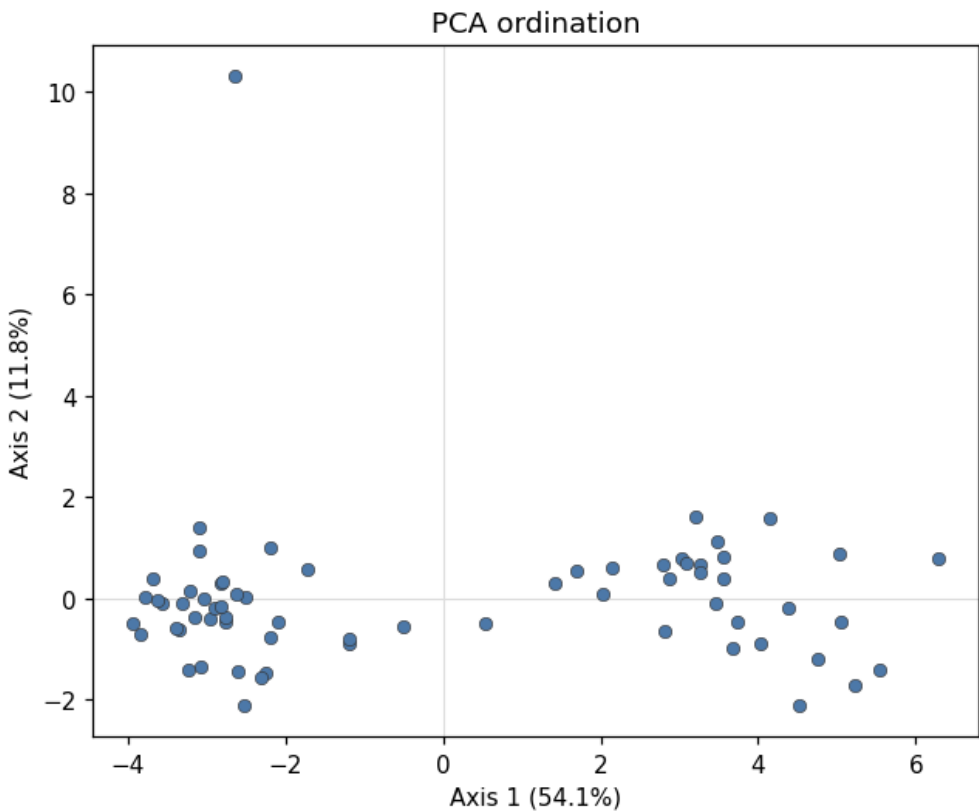
2026-09-21 02:14:27 · ordination · status: completed

The first two PCA axes capture 65.9% of the total variance in the data.

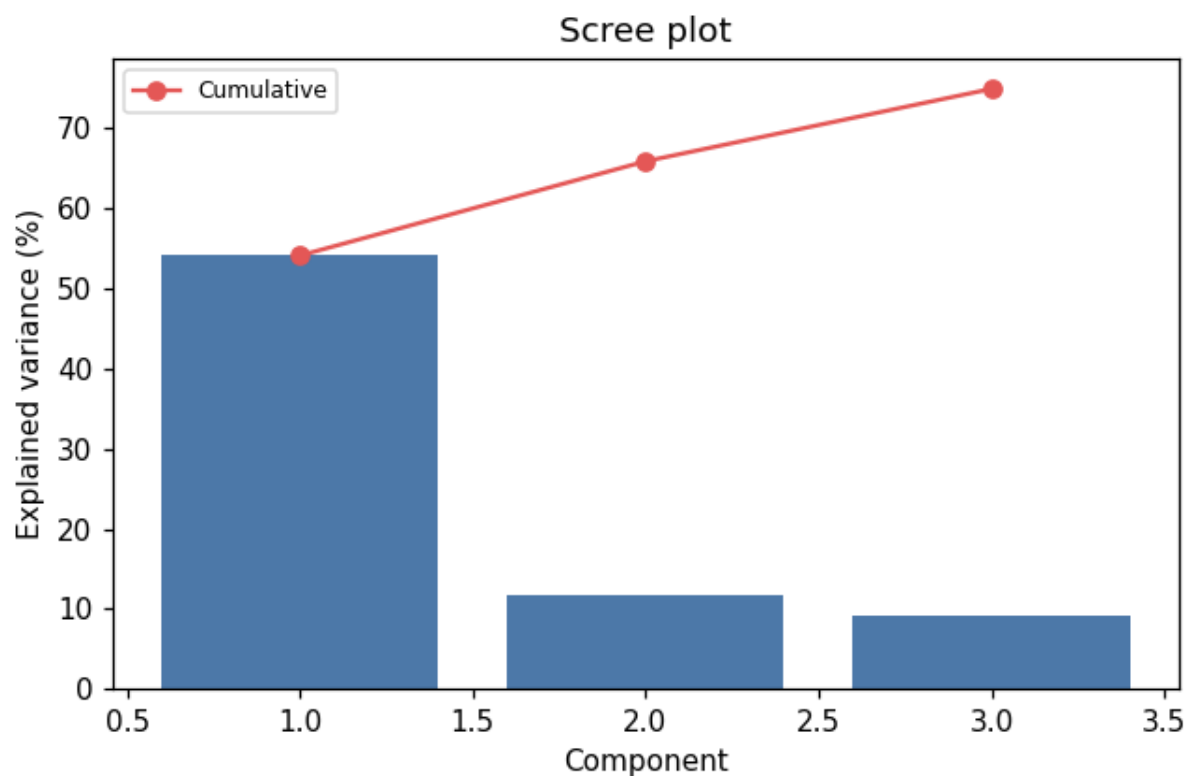
n_components	3
method	pca
n_rows	66
n_dropped	284

explained variance

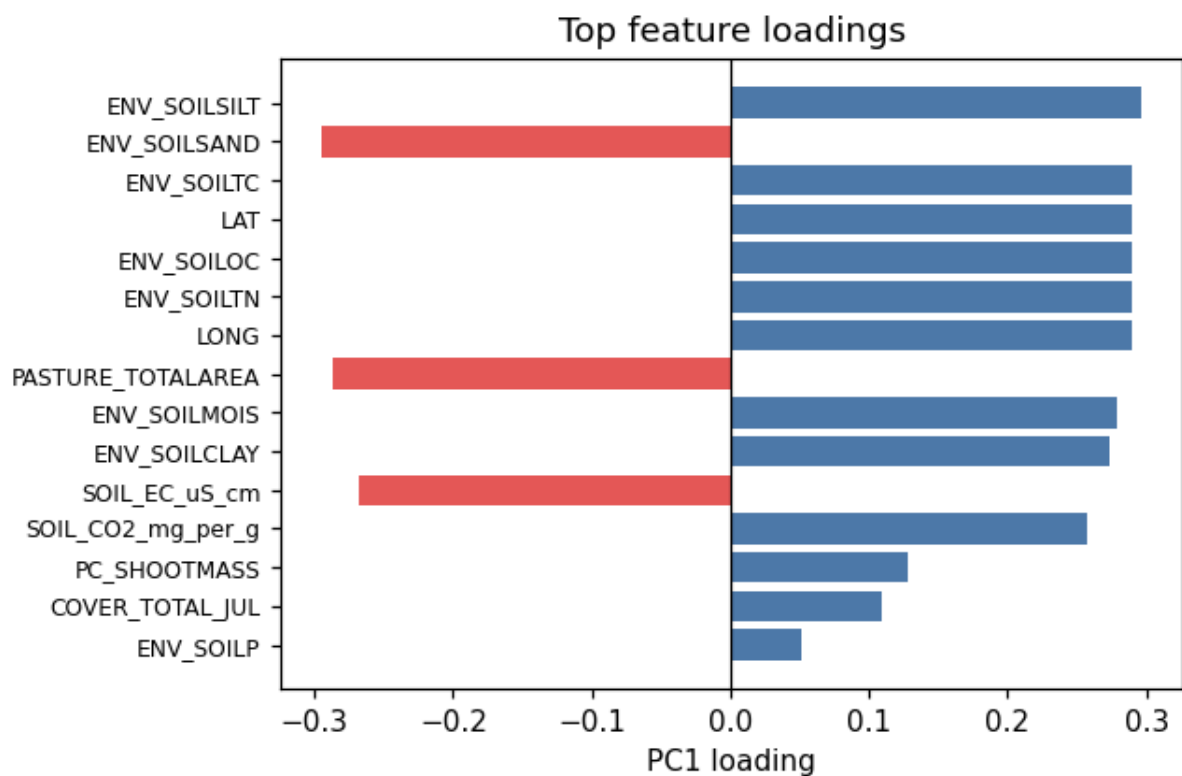
Axis	Fraction	Cumulative
Axis 1	0.541212	0.541212
Axis 2	0.11776	0.658972
Axis 3	0.090445	0.749417



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_03_soil_nitrogen_availability.csv
started	2026-09-21 02:14:27.741981
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/aa8e993ca24f4d4dfb9083d77a2739

Value
pca
pca
V_SOILSAND, ENV_SOILMOIS, ENV_SOILP, PC_SHOOTMASS, PC_LITTERMASS, COVER_TOTAL_JUL, COVER_RICHNESS_JUL
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)
```