

Ordination Result #49 — Analysis Report

Generated 2026-09-21 02:36:15 · 1 run(s) · CAT-G Data Analyzer

1. ordination (#49)

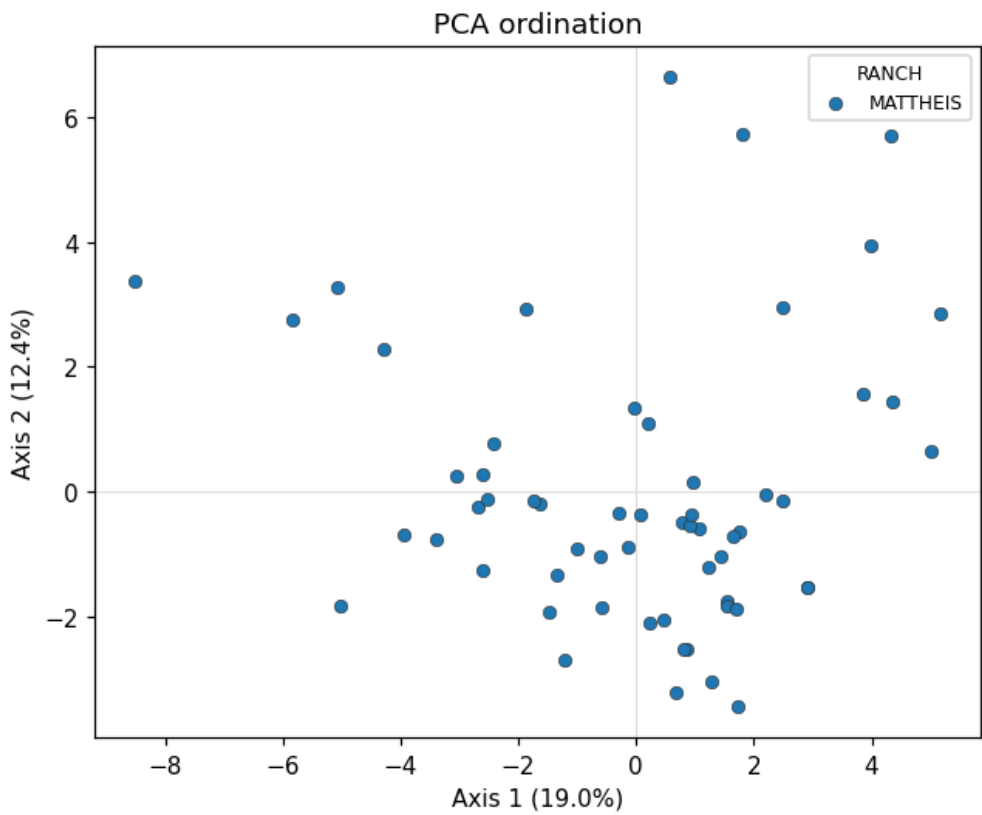
2026-09-21 02:12:39 · ordination · status: completed

The first two PCA axes capture 31.4% of the total variance in the data.

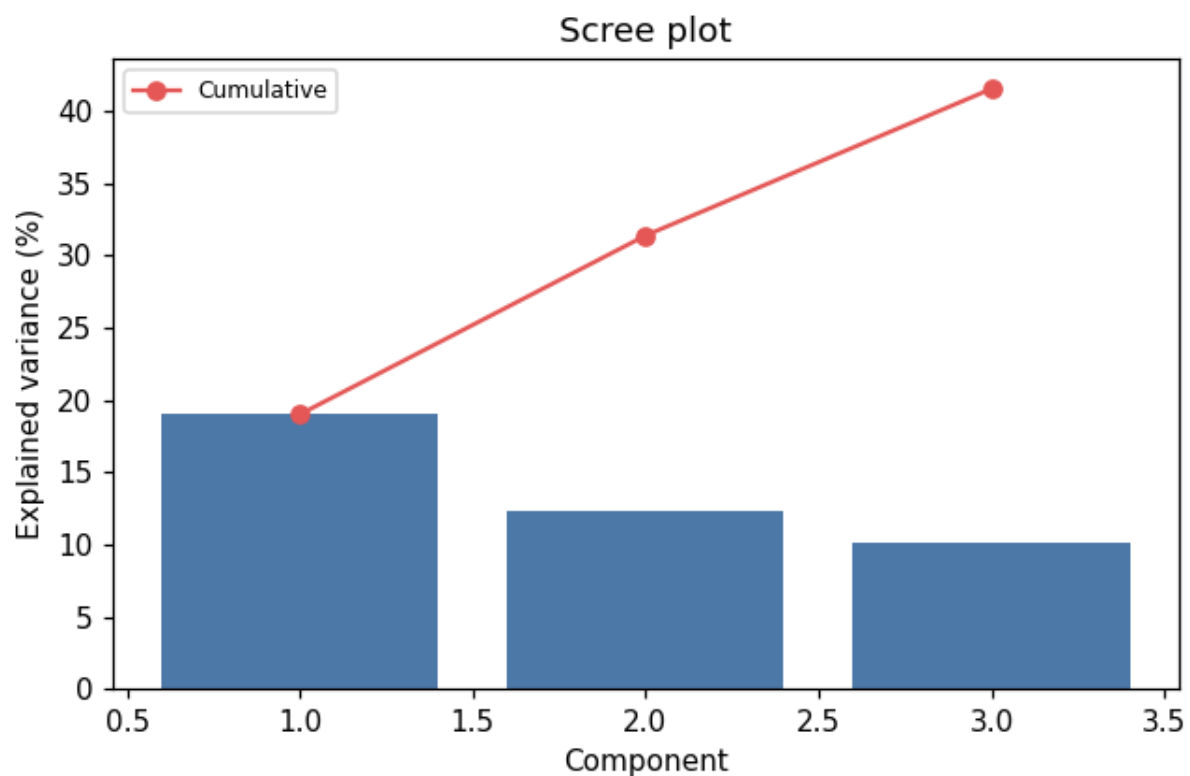
n_components	3
method	pca
n_rows	59
n_dropped	341
color_col	RANCH

explained variance

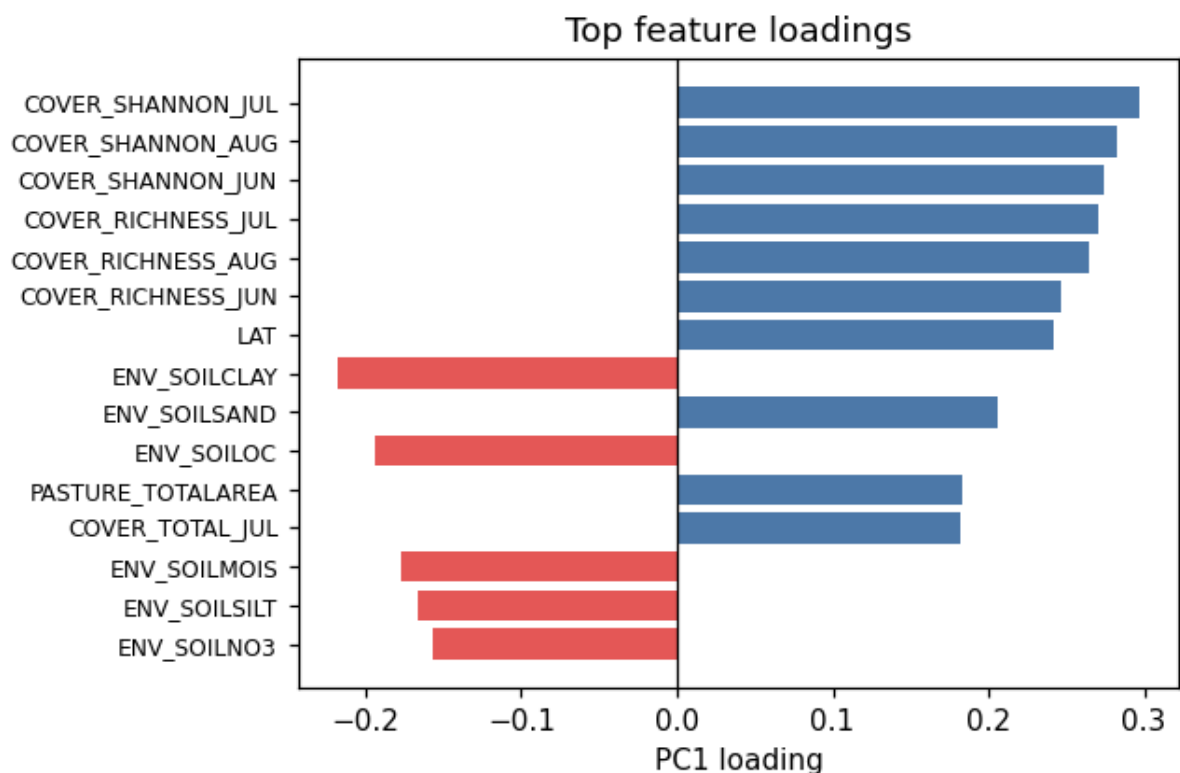
Axis	Fraction	Cumulative
Axis 1	0.189909	0.189909
Axis 2	0.123726	0.313636
Axis 3	0.10144	0.415075



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 — cat_g_field_data_plots.csv
started	2026-09-21 02:12:39.328469
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/ba8cd7e8395a46ef8ddbbc2497cf

Value
pca
pca
ERWMASS, PC_ROOTMASS, PC_HEIGHT, GH_COUNT, ENV_AIRTEMP, COVER_RICHNESS_JUN, COVER_TOTAL_JUN, COVER
3
RANCH

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)
```