

Ordination Result #55 — Analysis Report

Generated 2026-09-21 02:39:03 · 1 run(s) · CAT-G Data Analyzer

1. ordination (#55)

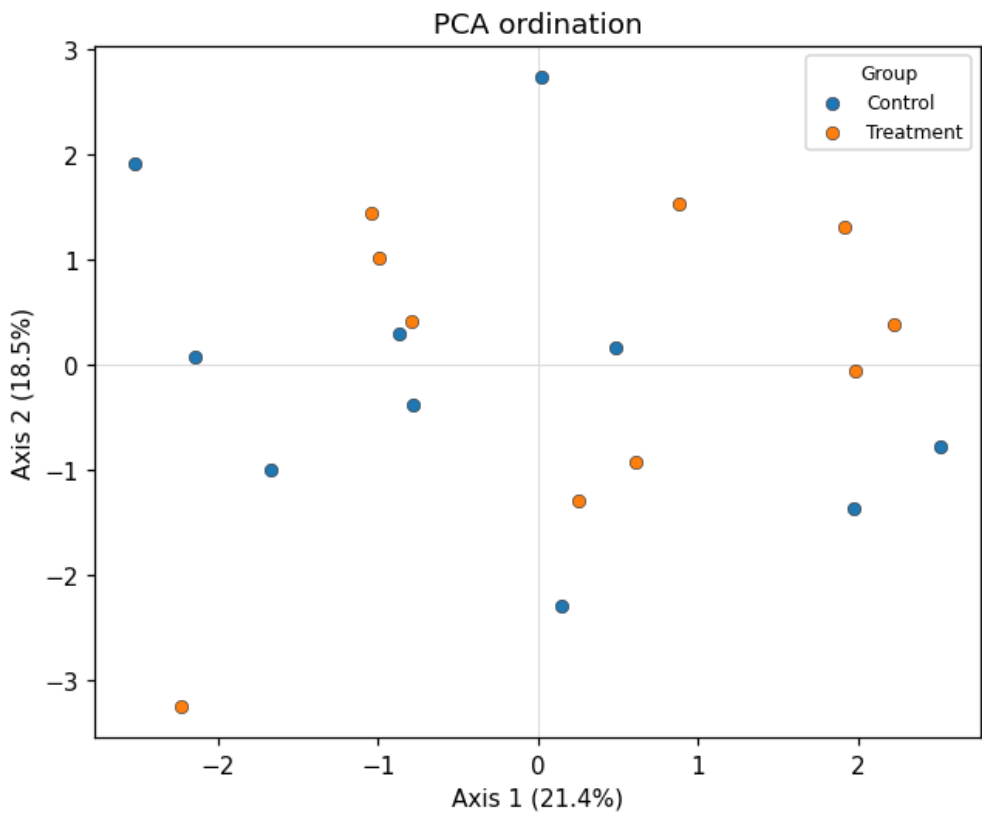
2026-09-21 02:18:03 · ordination · status: completed

The first two PCA axes capture 39.9% of the total variance in the data.

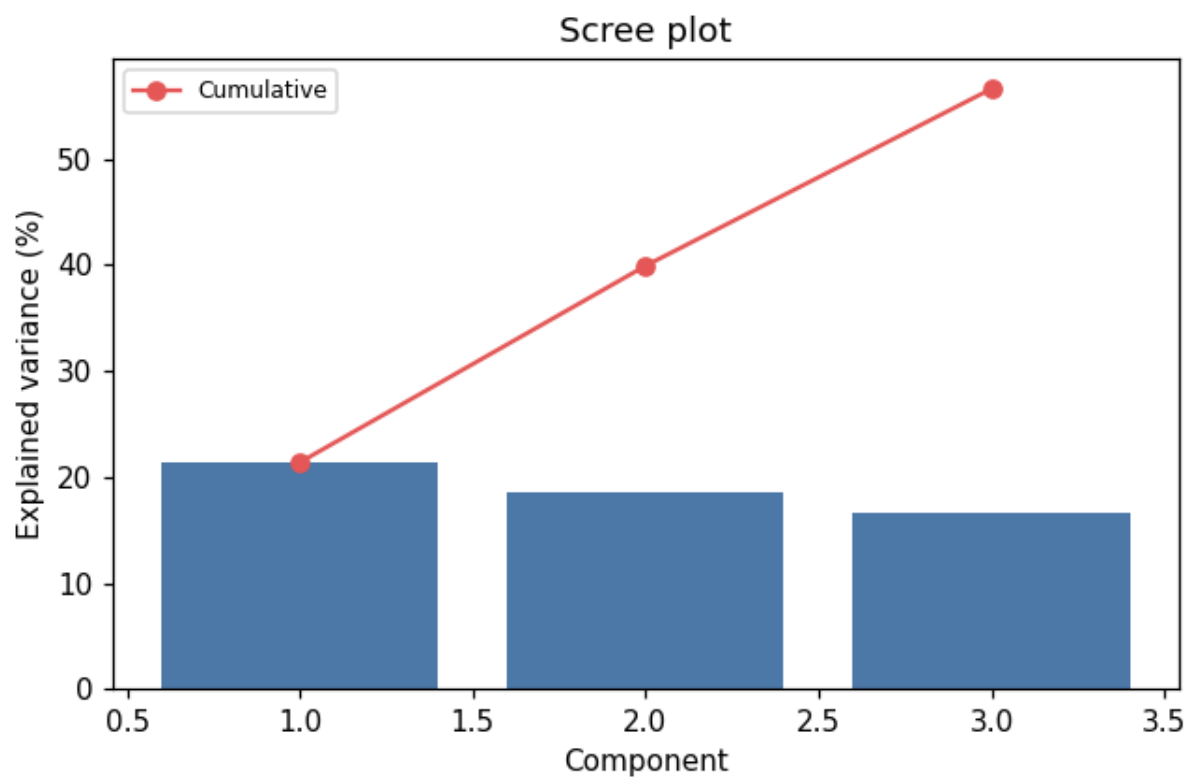
n_components	3
method	pca
n_rows	20
n_dropped	0
color_col	Group

explained variance

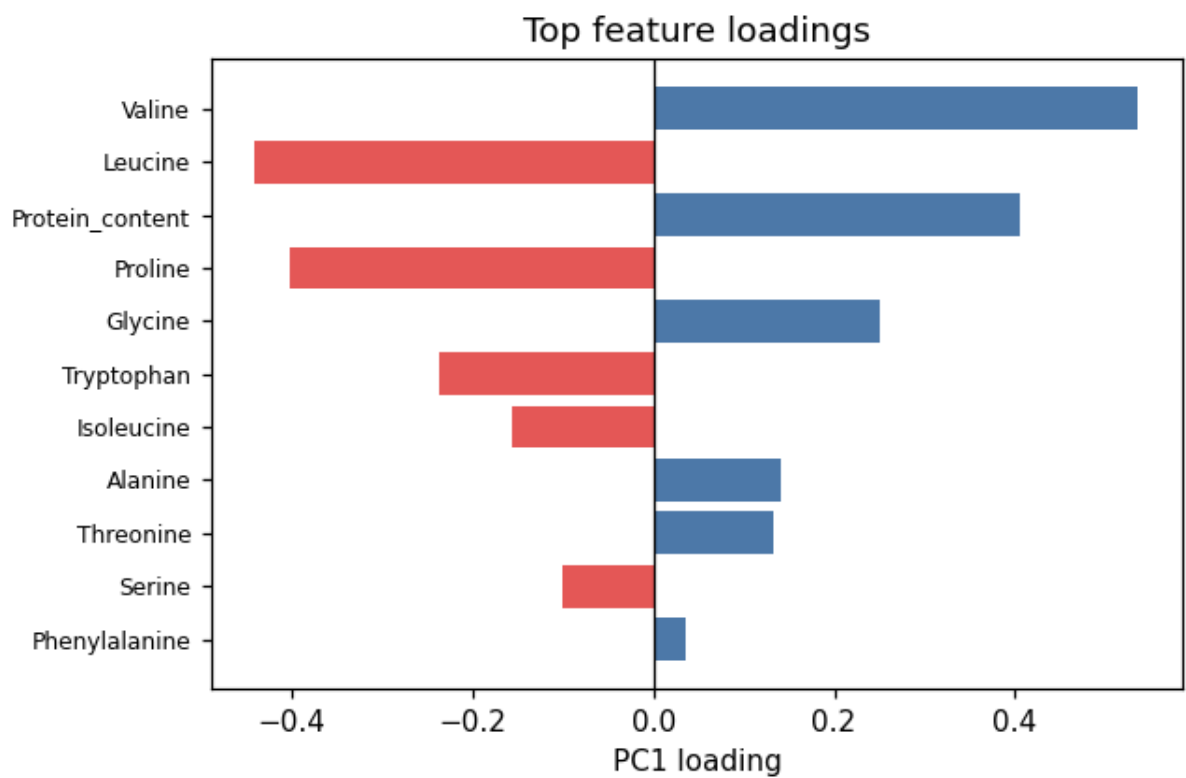
Axis	Fraction	Cumulative
Axis 1	0.213754	0.213754
Axis 2	0.1855	0.399254
Axis 3	0.166912	0.566165



ordination scatter



scree



loadings

Method & Provenance

method	Ordination — PCA
--------	------------------

engine	Python · scikit-learn 1.8.0
datasets	gallery — example_metabolomics.csv
started	2026-09-21 02:18:03.435062
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/f39c0418559c409bb880f45913bc

Parameter	Value
dination_method	pca
method	pca
feature_cols	Protein_content, Alanine, Glycine, Serine, Threonine, Valine, Leucine, Isoleucine, Proline, Phenylalanine, Tryptophan
n_components	3
color_col	Group

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)
```