

Ordination Result #52 — Analysis Report

Generated 2026-09-21 02:38:24 · 1 run(s) · CAT-G Data Analyzer

1. ordination (#52)

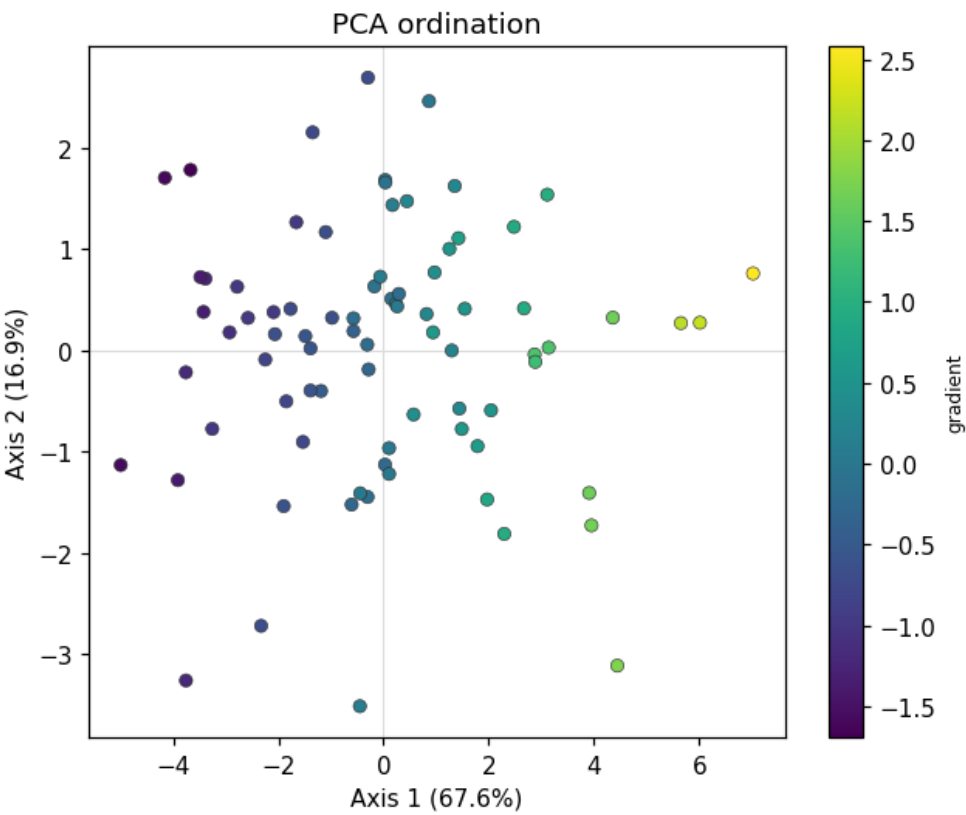
2026-09-21 02:17:00 · ordination · status: completed

The first two PCA axes capture 84.5% of the total variance in the data.

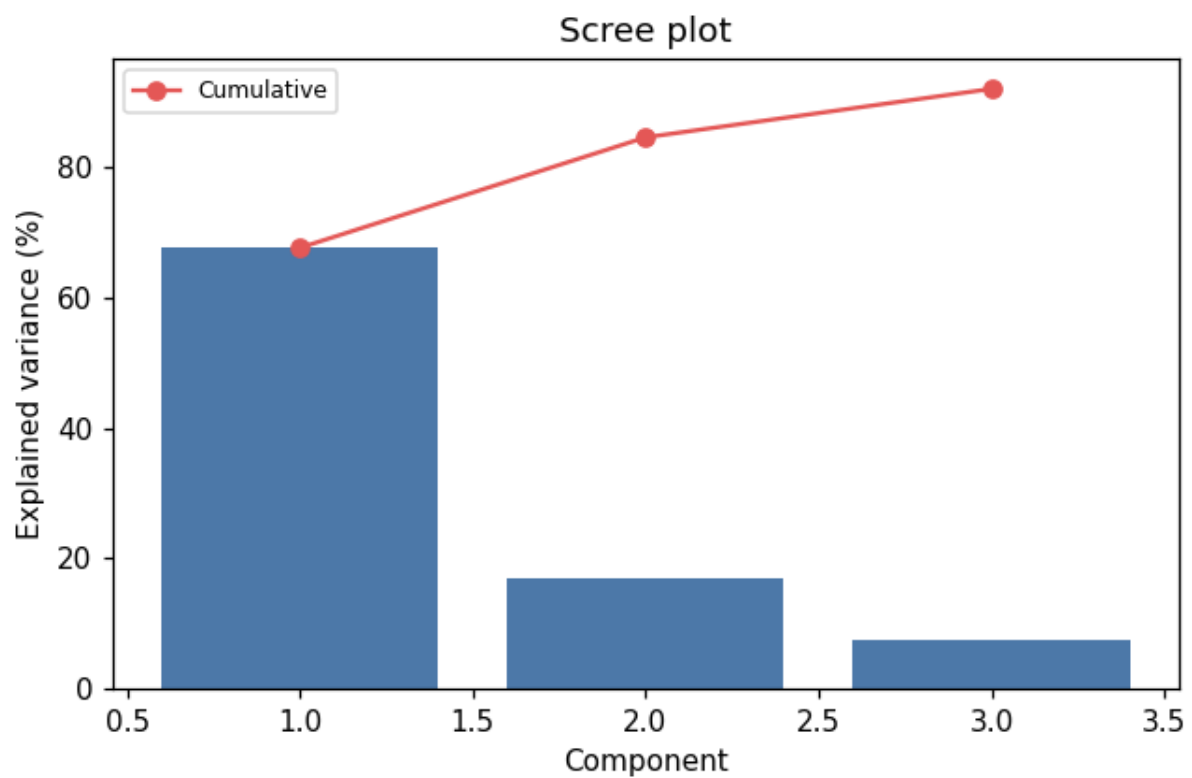
n_components	3
method	pca
n_rows	80
n_dropped	0
color_col	gradient

explained variance

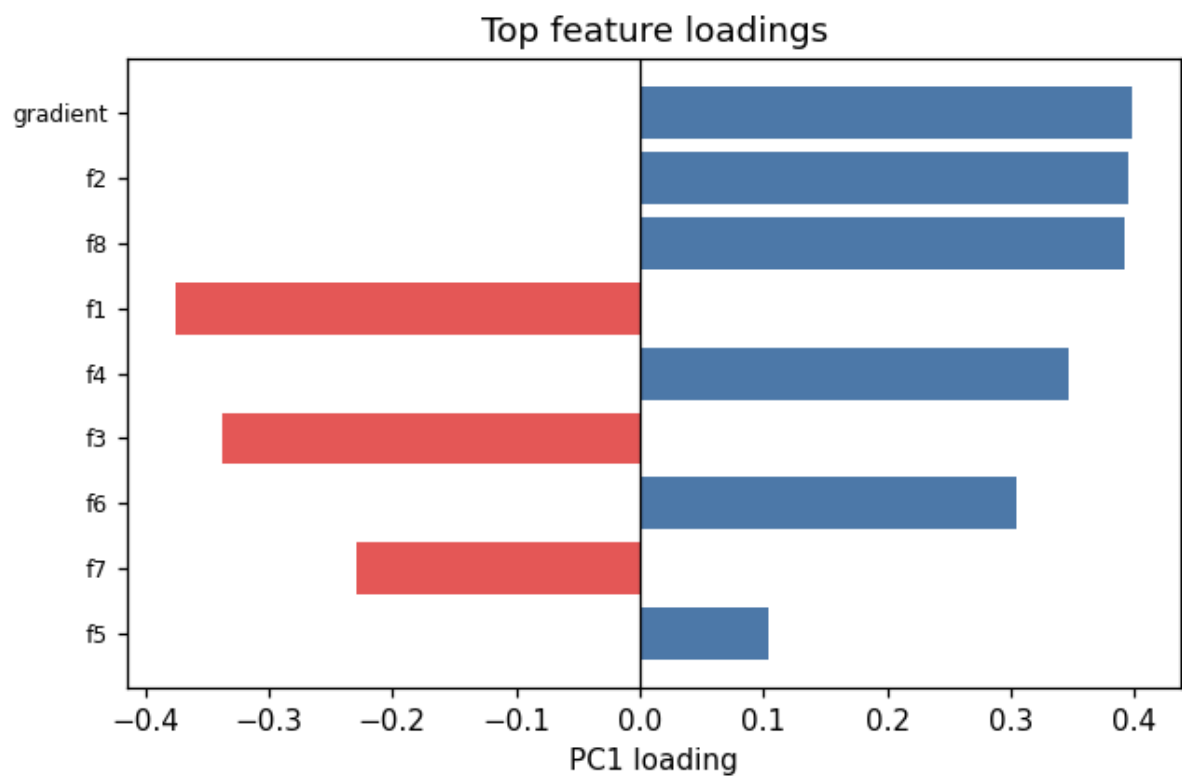
Axis	Fraction	Cumulative
Axis 1	0.675887	0.675887
Axis 2	0.169285	0.845172
Axis 3	0.074281	0.919453



ordination scatter



scree



loadings

Method & Provenance

method	Ordination — PCA
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engine	Python · scikit-learn 1.8.0
datasets	gallery — example_ordination.csv
started	2026-09-21 02:17:00.624418
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/8a2cf4821c2941d4856886bb933c

Parameter	Value
ordination_method	pca
method	pca
feature_cols	gradient, f1, f2, f3, f4, f5, f6, f7, f8
n_components	3
color_col	gradient

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)
```