

Clustering Result #35 — Analysis Report

Generated 2026-09-21 02:39:25 · 1 run(s) · CAT-G Data Analyzer

1. kmeans (#35)

2026-09-21 02:18:13 · clustering · status: completed

Clustering split 150 samples into 3 clusters (mean silhouette 0.349).

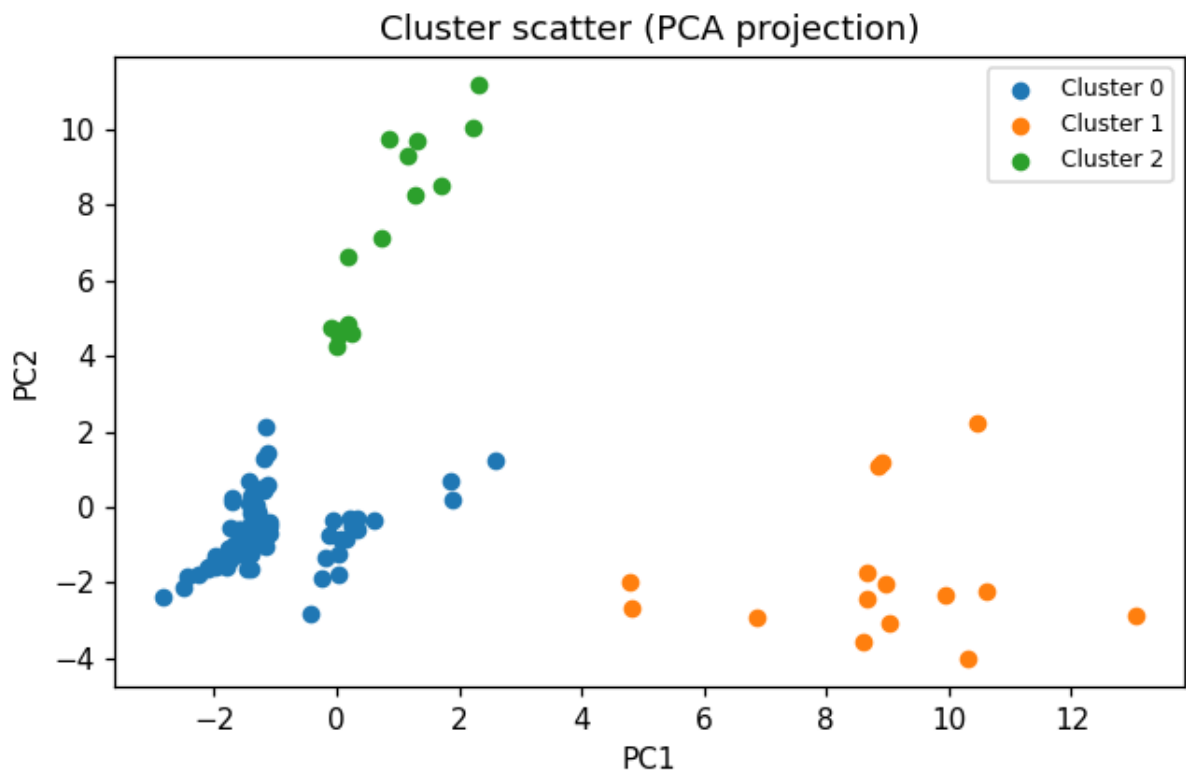
method	kmeans
k	3
silhouette	0.348815
n_rows	150
n_dropped	0
derived_dataset_id	723

sizes

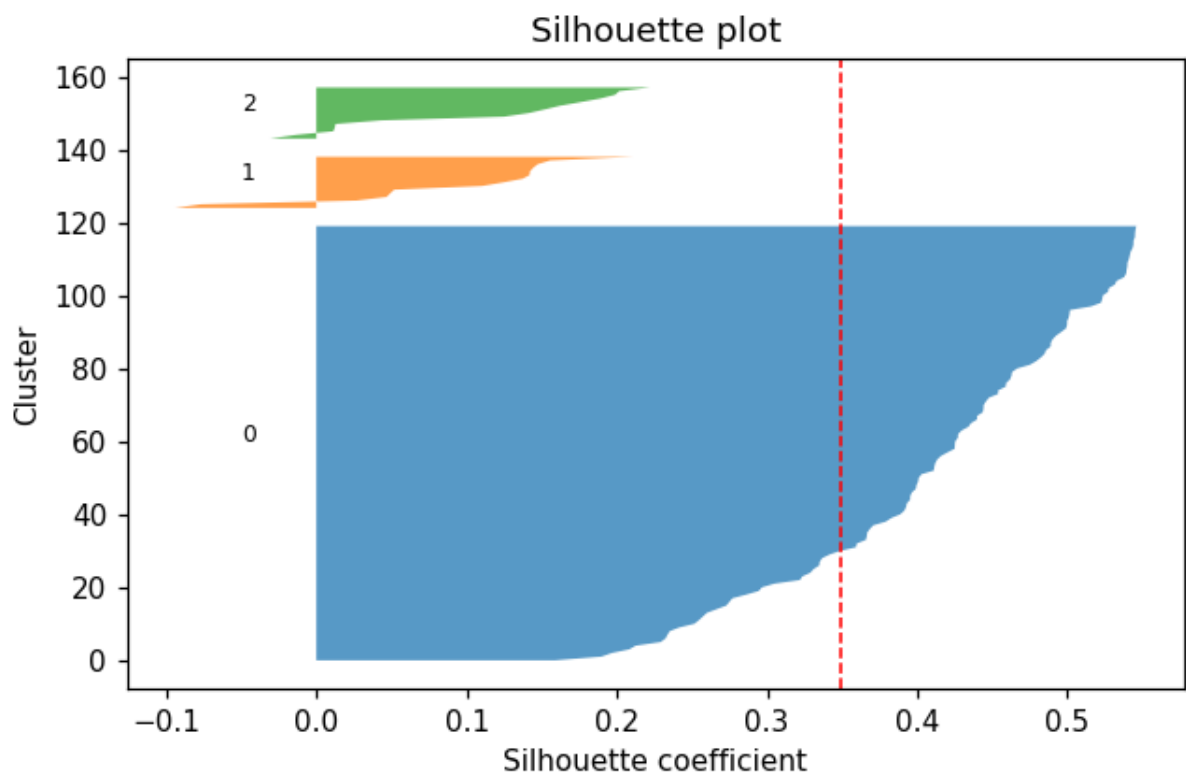
name	value
0	120
1	15
2	15

inertia sweep

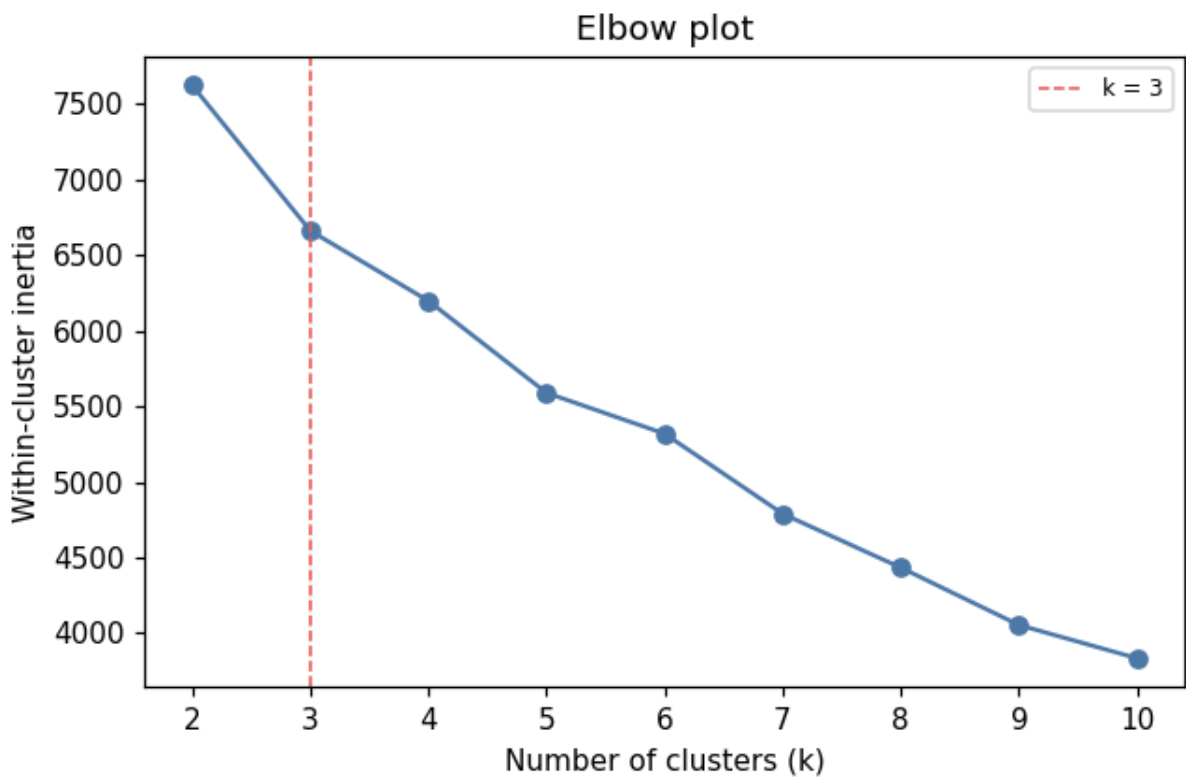
name	value
2	7622.387217
3	6661.63414
4	6197.62538
5	5589.571419
6	5319.345703
7	4789.599972
8	4433.637965
9	4054.299986
10	3834.379517



cluster scatter



silhouette



elbow

Method & Provenance

method	Clustering — K-Means
engine	Python · scikit-learn 1.8.0
datasets	gallery — cat_g_proteomics_omics_only.csv
started	2026-09-21 02:18:13.933986
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/353bac72a0db47cbbc54087c0312

Value
kmeans
g046920.1;Psat3g040960.1, P19251, Q9SSY8, Psat1g107440.1;Psat2g149200.1;Psat4g184760.1;Psat4g185080.1, Psat6g235800.1;P
3

Command history

```
# python
from sklearn.cluster import KMeans

# python
labels = KMeans(n_clusters=3, n_init=10, random_state=42).fit_predict(X)

# python
silhouette = sklearn.metrics.silhouette_score(X, labels)
```