

Clustering Result #33 — Analysis Report

Generated 2026-09-21 02:38:32 · 1 run(s) · CAT-G Data Analyzer

1. kmeans (#33)

2026-09-21 02:17:13 · clustering · status: completed

Clustering split 75 samples into 3 clusters (mean silhouette 0.479).

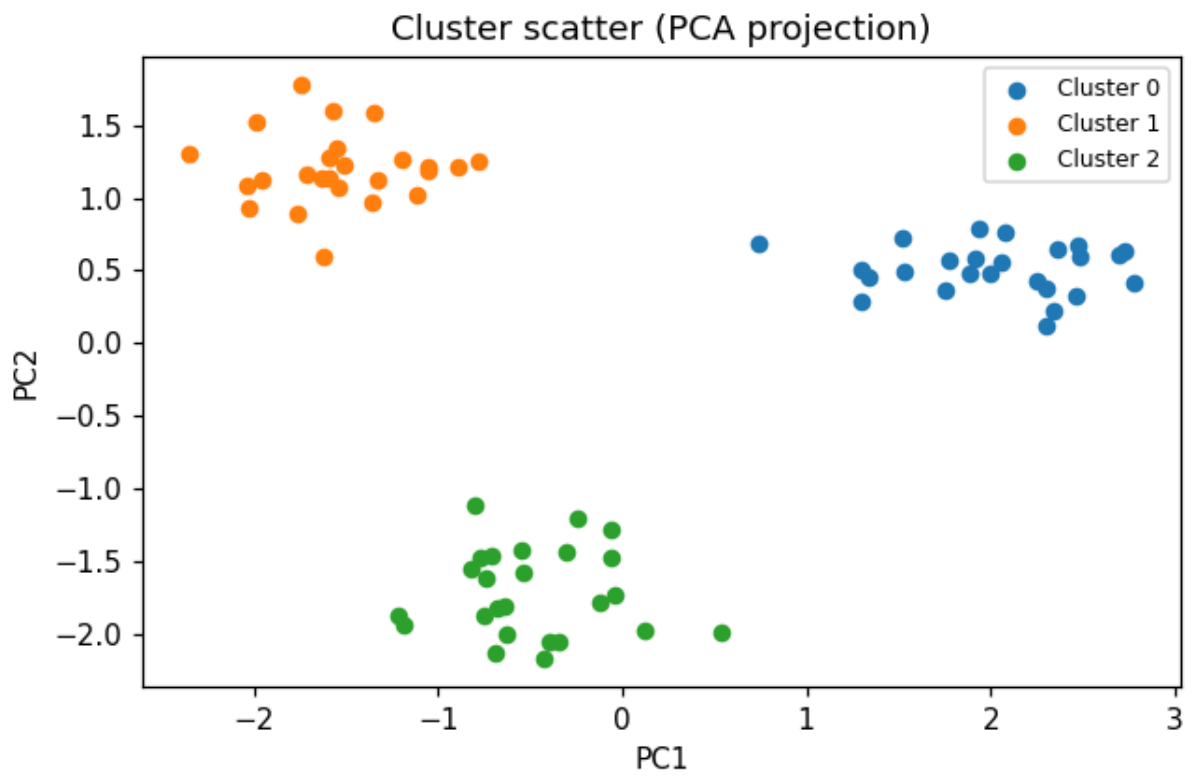
method	kmeans
k	3
silhouette	0.479172
n_rows	75
n_dropped	0
derived_dataset_id	713

sizes

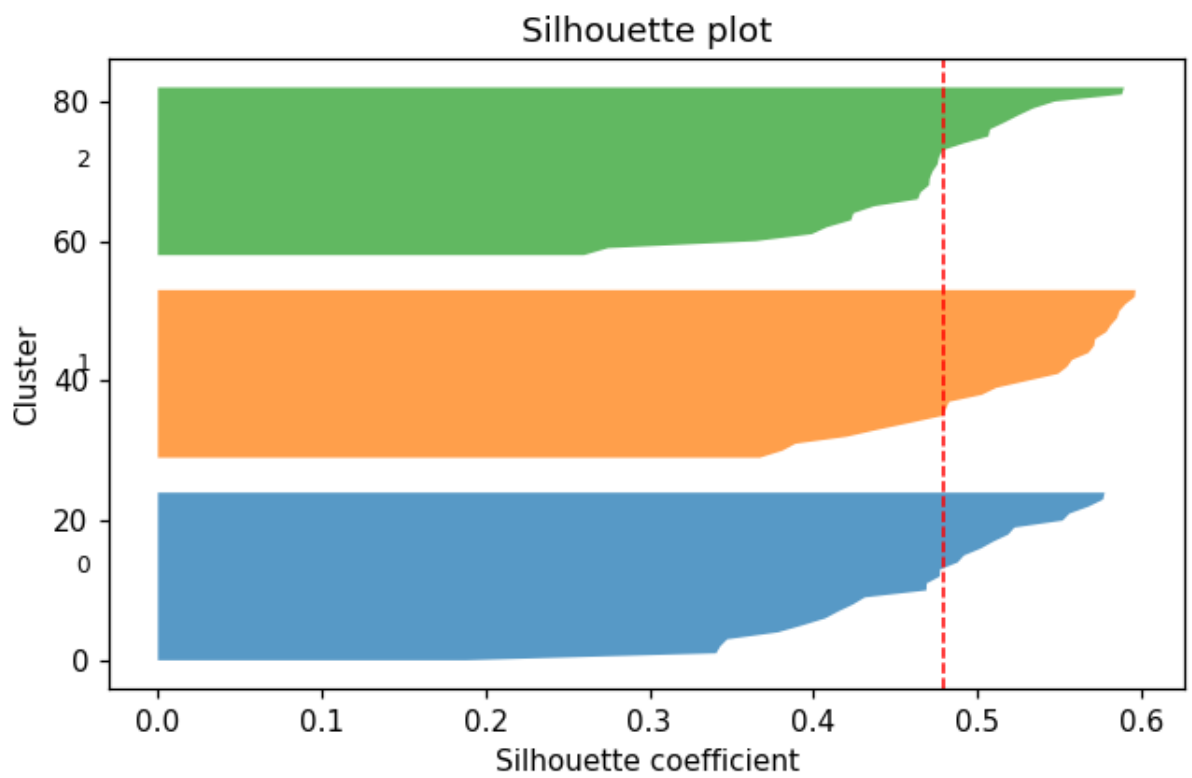
name	value
0	25
1	25
2	25

inertia sweep

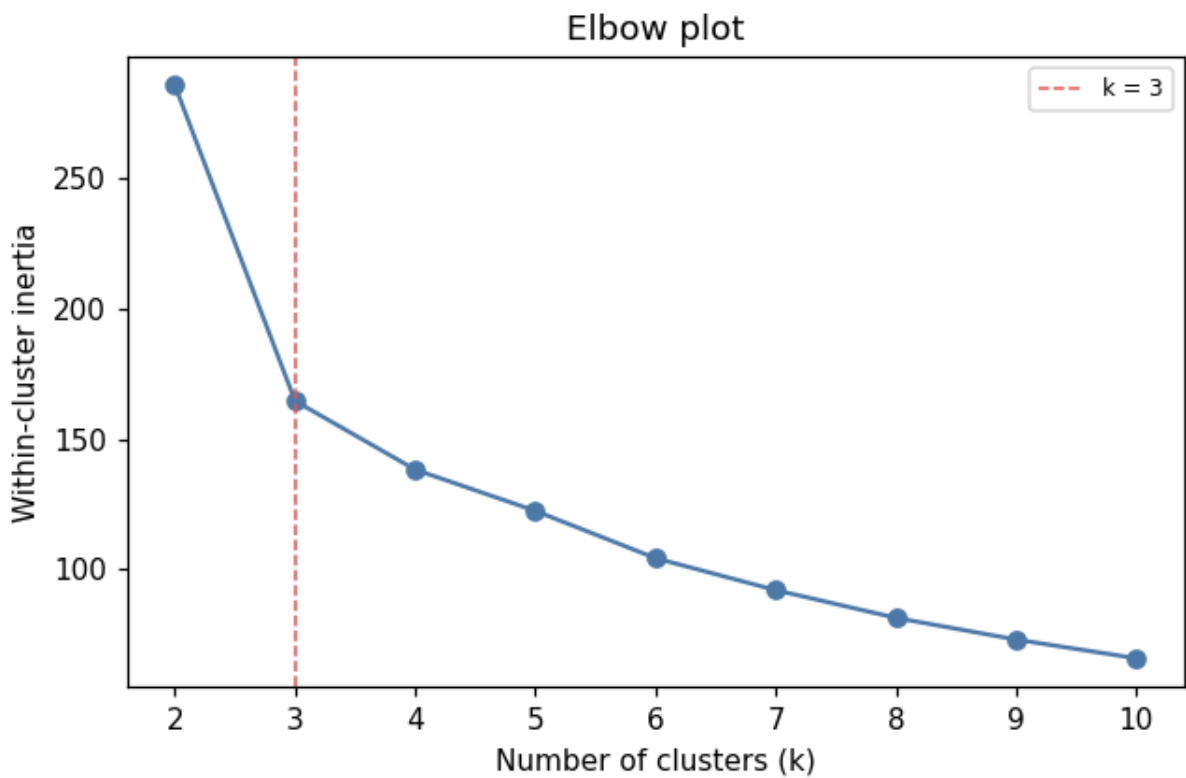
name	value
2	285.420962
3	164.583327
4	138.258257
5	122.455501
6	104.3279
7	92.095338
8	81.483783
9	73.163786
10	65.989041



cluster scatter



silhouette



elbow

Method & Provenance

method	Clustering — K-Means
engine	Python · scikit-learn 1.8.0
datasets	gallery — example_clustering.csv
started	2026-09-21 02:17:13.556421
permanent link	https://cat-g-omxpert.wishartlab.com/results/by-token/952c914477ed424c80fc8abe48b2

Parameter	Value
cluster_method	kmeans
feature_cols	f1, f2, f3, f4, f5, f6
n_clusters	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)
```