

Patient Clustering Report (Age <= 50)

Overview

This report summarizes a clustering analysis of patients aged 50 years and below, based on their visit behavior. Using KMeans with k=5 clusters, the model achieved a silhouette score of 0.38.

Cluster Sizes

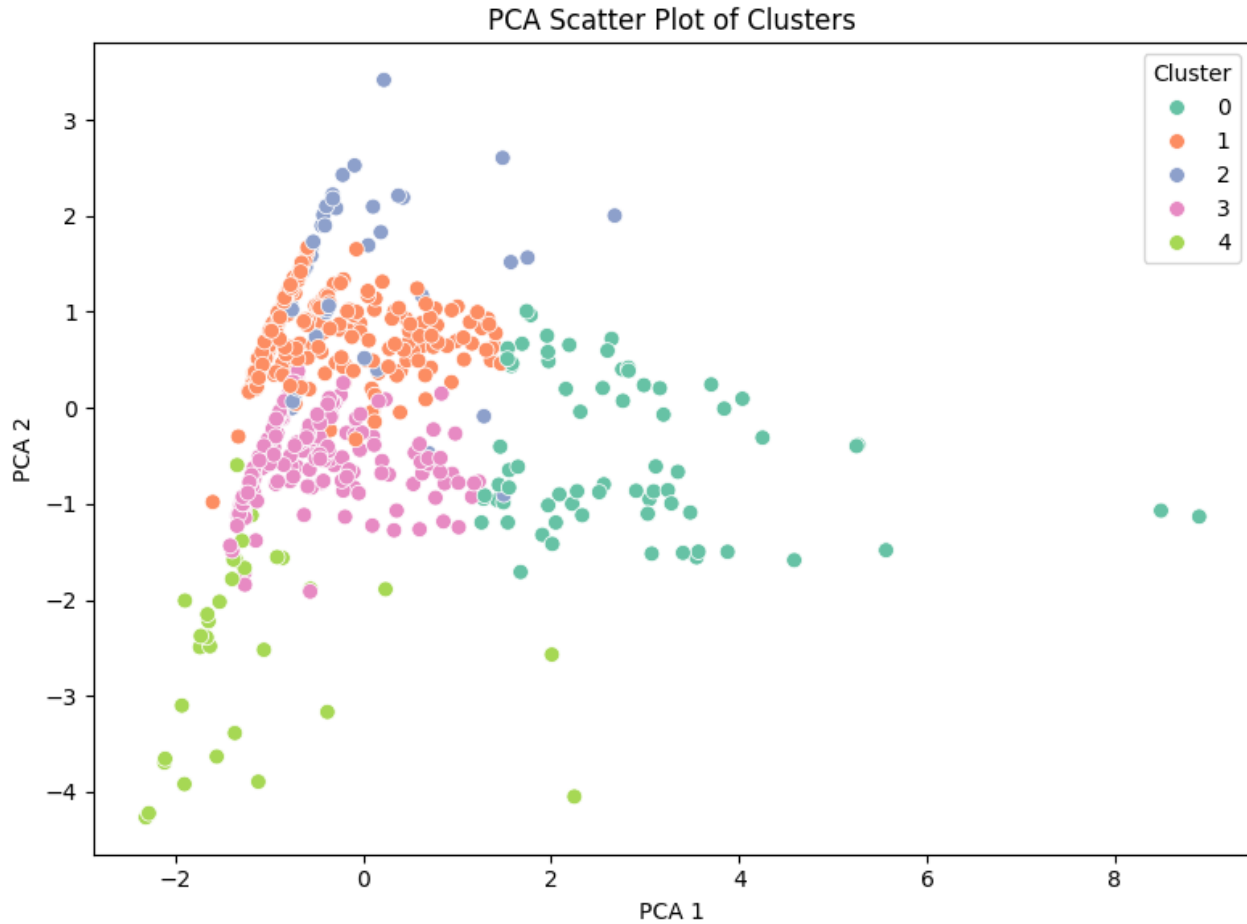
Cluster	Patients
0	70
1	213
2	41
3	188
4	32

Cluster Profiles

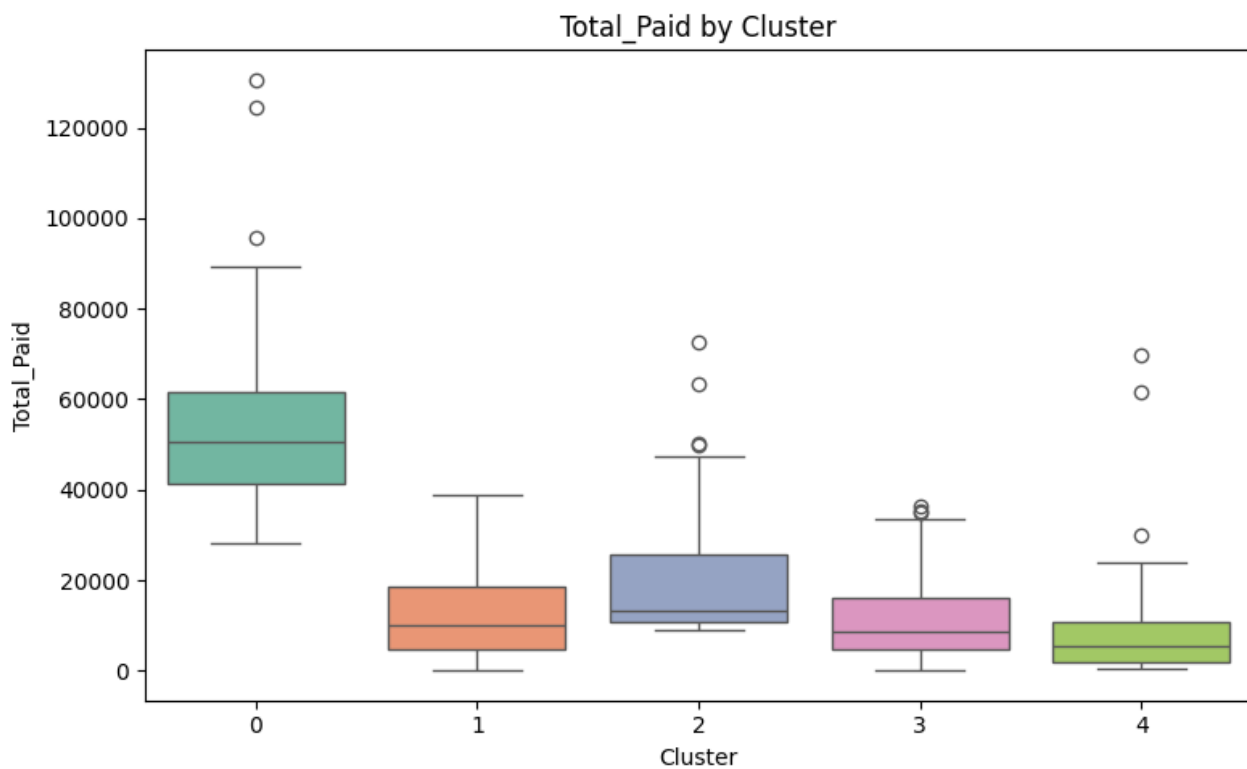
Cluster	Total_Paid	Avg_Paid	Visit_Count	Unique_ICD10	Avg_Age	Gender_M
0.00	54095.21	4883.12	11.66	1.00	4.31	0.43
1.00	12750.17	4580.90	2.82	1.00	5.22	1.00
2.00	21416.63	12411.93	1.73	1.00	6.15	0.61
3.00	11310.53	4612.66	2.53	1.00	4.94	0.00
4.00	10523.47	4101.89	2.34	1.00	31.88	0.06

Cluster Visualization (PCA)

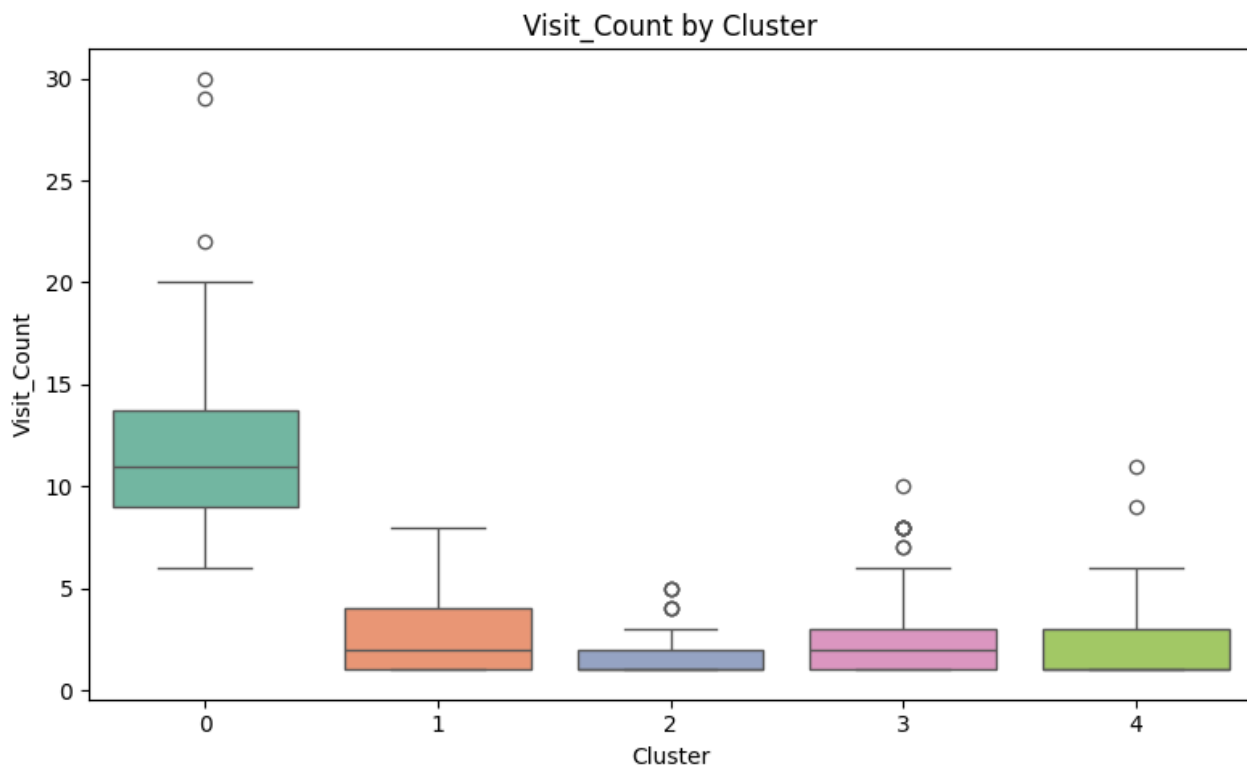
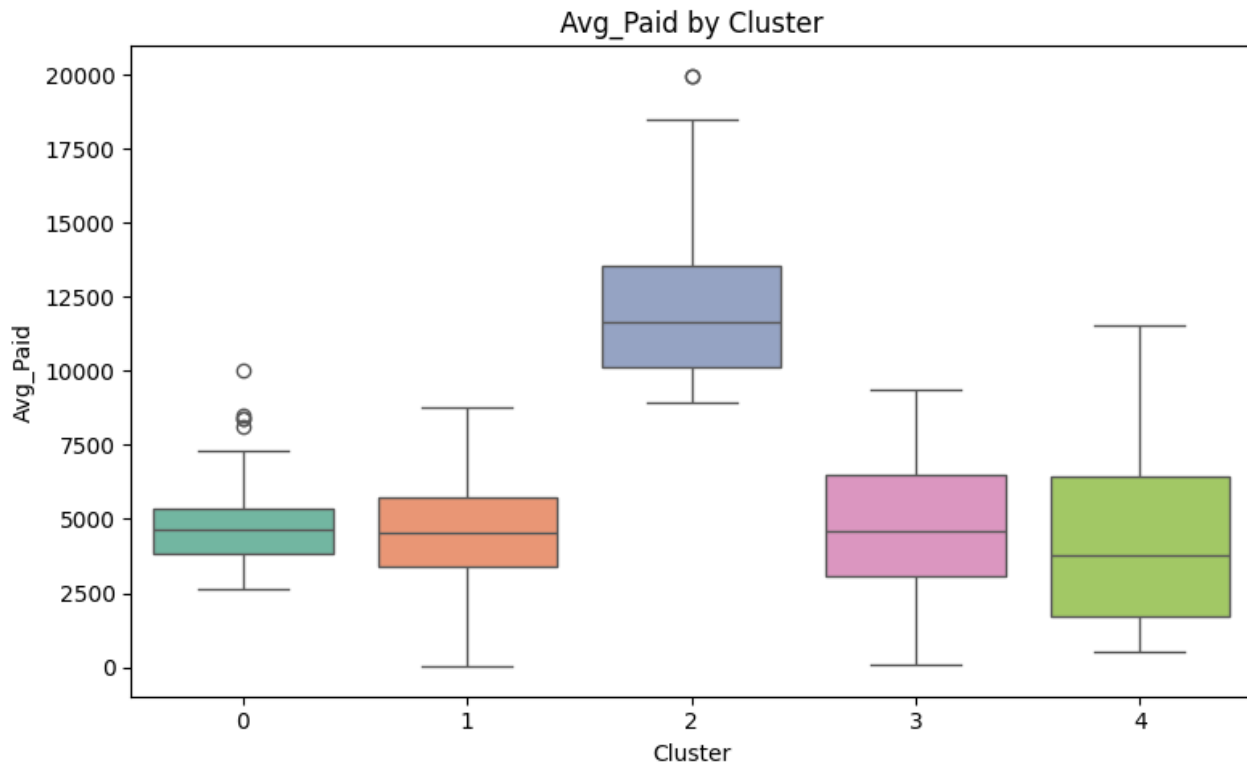
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Feature Distribution by Cluster



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