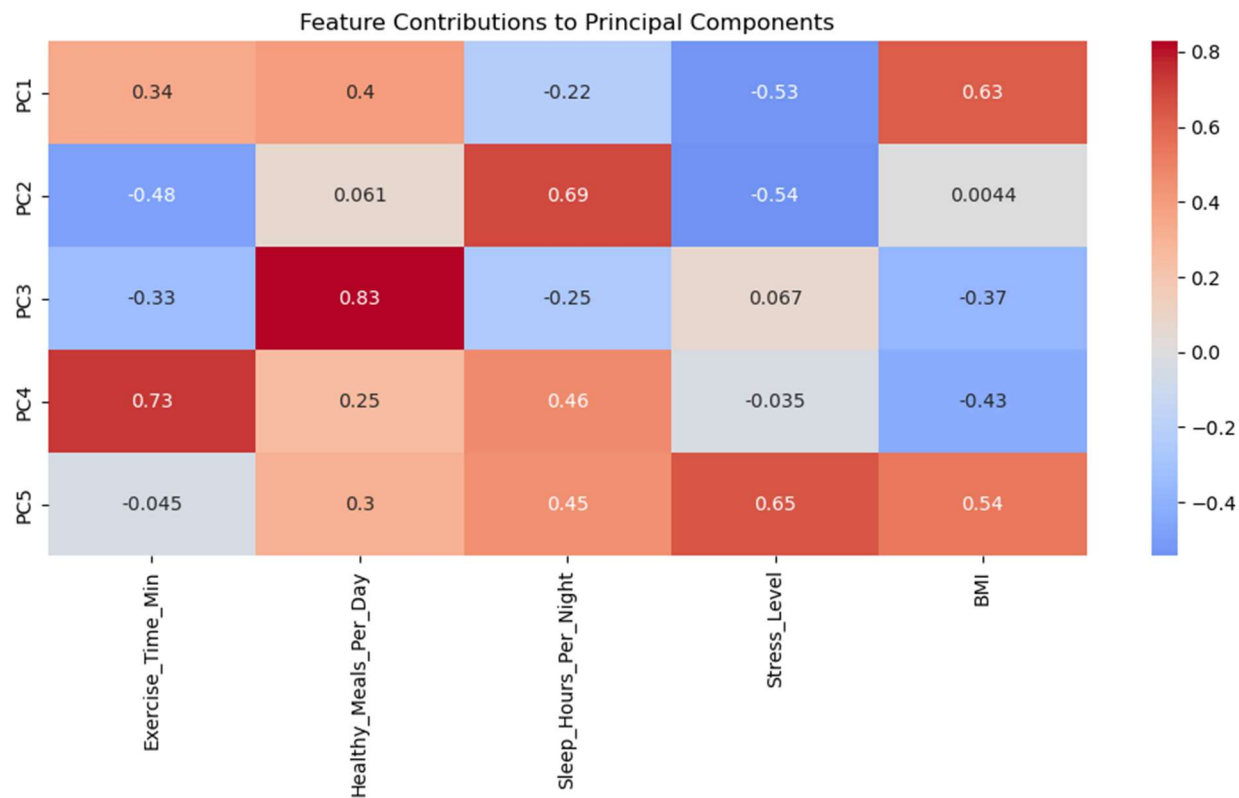


Evaluation Metrics

	Model	Silhouette Score	WCSS (KMeans only)
0	KMeans (Original)	0.151616	740.466268
1	KMeans (PCA)	0.151616	740.466268
2	Hierarchical (Original)	0.136285	NaN
3	Hierarchical (PCA)	0.136285	NaN



Dataset Summary

	Exercise_Time_Min	Healthy_Meals_Per_Day	Sleep_Hours_Per_Night \
count	200.000000	200.000000	200.000000
mean	29.592290	2.875000	6.933582
std	9.310039	1.815449	1.422471
min	3.802549	0.000000	1.778787
25%	22.948723	2.000000	5.967243

50%	29.958081	3.000000	6.972331
75%	35.008525	4.000000	7.886509
max	57.201692	9.000000	10.708419

	Stress_Level	BMI	KMeans_Cluster	Hierarchical_Cluster \
count	200.000000	200.000000	200.000000	200.000000
mean	4.995000	25.150008	1.150000	0.745000
std	2.605556	5.070778	0.755216	0.801992
min	1.000000	12.502971	0.000000	0.000000
25%	3.000000	21.458196	1.000000	0.000000
50%	5.000000	25.155662	1.000000	1.000000
75%	7.000000	28.011155	2.000000	1.000000
max	9.000000	37.898547	2.000000	2.000000

	KMeans_PCA_Cluster	Hierarchical_PCA_Cluster
count	200.000000	200.000000
mean	1.150000	0.745000
std	0.755216	0.801992
min	0.000000	0.000000
25%	1.000000	0.000000
50%	1.000000	1.000000
75%	2.000000	1.000000
max	2.000000	2.000000

