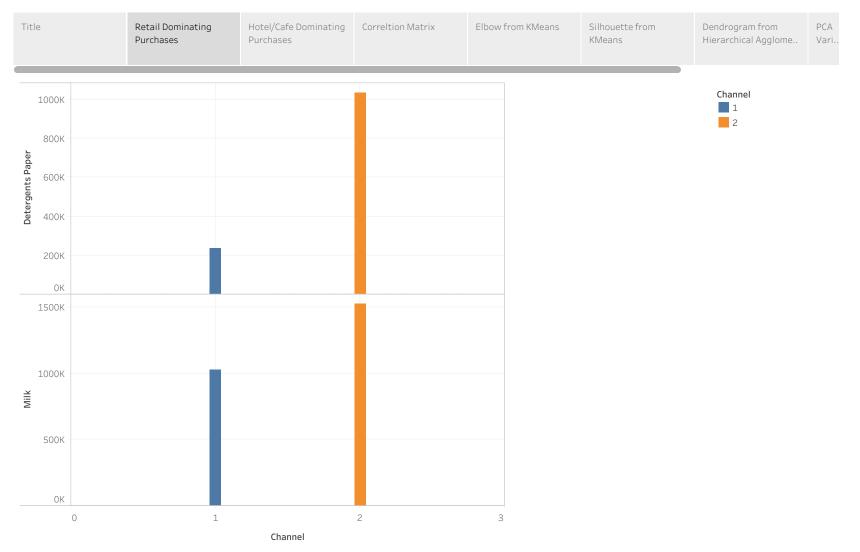
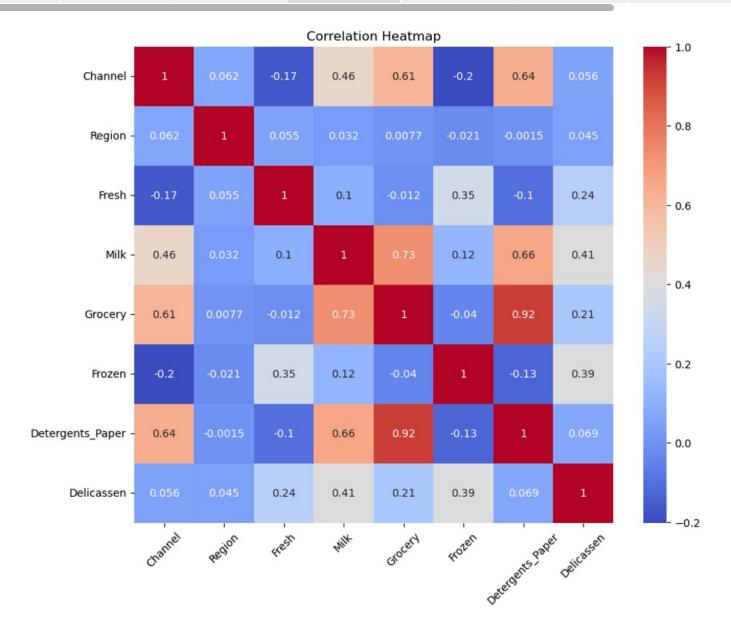
Title Retail Dominating Purchases Hotel/Cafe Dominating Purchases Purchases Elbow from KMeans Silhouette from KMeans Silhouette from KMeans Hierarchical Agglome.. Vari...







Title Retail Dominating Purchases Hotel/Cafe Dominating Purchases Elbow from KMeans Silhouette from KMeans Dendrogram from KMeans Wari..



Retail Dominating
Purchases

Hotel/Cafe Dominating
Purchases

Hotel/Cafe Dominating
Purchases

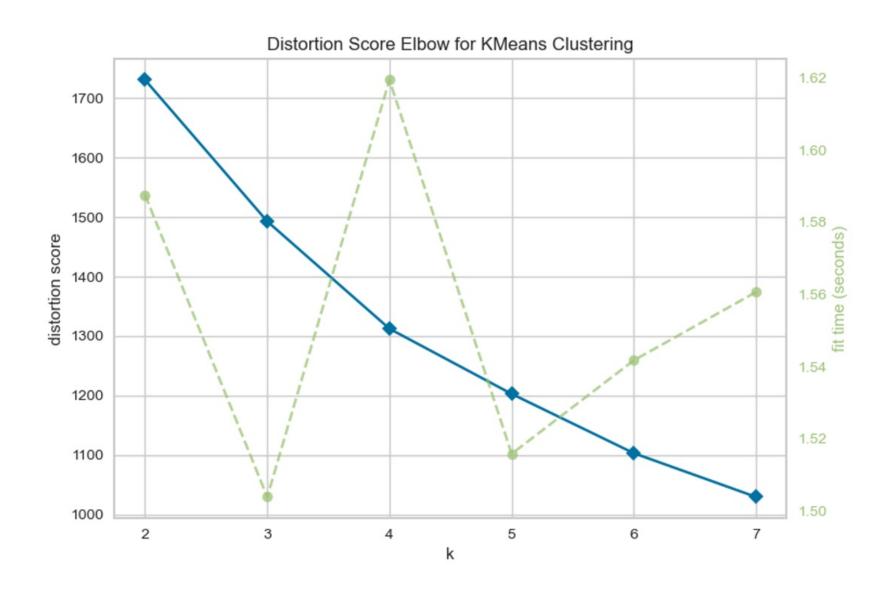
Elbow from KMeans

Silhouette from
KMeans

Hierarchical Agglome..

PCA Variance Ratios

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Retai Hotel/Cafe Dominating Purchases

Hotel/Cafe Dominating Correltion Matrix

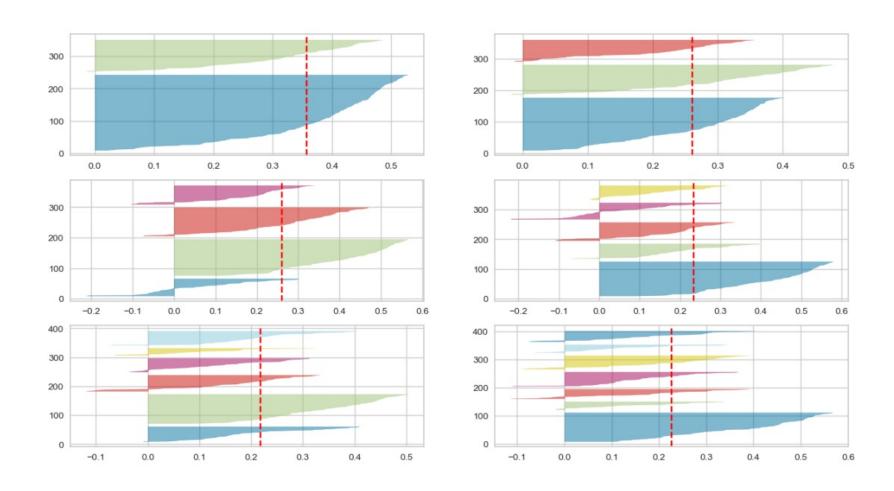
Elbow from KMeans

Silhouette from KMeans

Hierarchical Agglome..

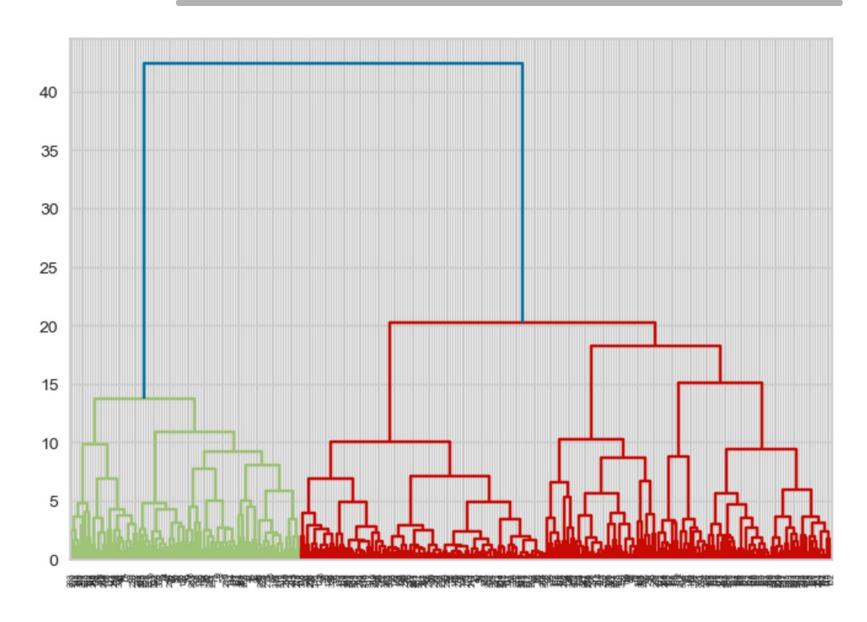
PCA Variance Ratios

Key Takeaways



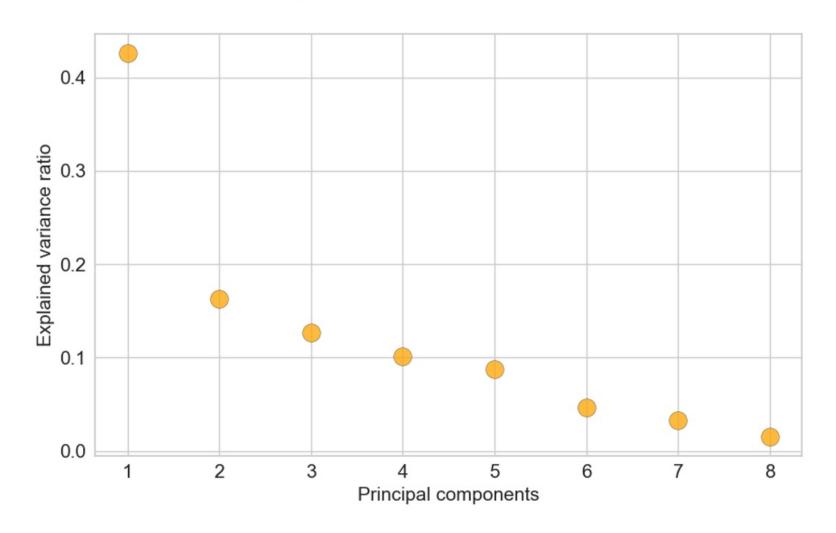
Retai Hotel/Cafe Dominating Correltion Matrix Elbow from KMeans Silhouette from KMeans Means Hierarchical Agglome..

PCA Variance Ratios Key Takeaways



Retai Hotel/Cafe Dominating Correltion Matrix Elbow from KMeans Silhouette from KMeans Hierarchical Agglome.. PCA Variance Ratios Key Takeaways

Explained variance ratio of the fitted principal component vector



Retai Hotel/Cafe Dominating Correltion Matrix Elbow from KMeans Silhouette from KMeans Hierarchical Agglome.. PCA Variance Ratios Key Takeaways



High correlations between some variables allowed for dimension

reduction without losing explanatory power.

- The reduced model lacked the Channel categories but they
 nevertheless appeared in the clustering done by KMeans and by
 Hierarchical Clusters because they account for so much variance in the
 annual spending.
- Marketing strategies should account for the stark differences in purchasing patterns.