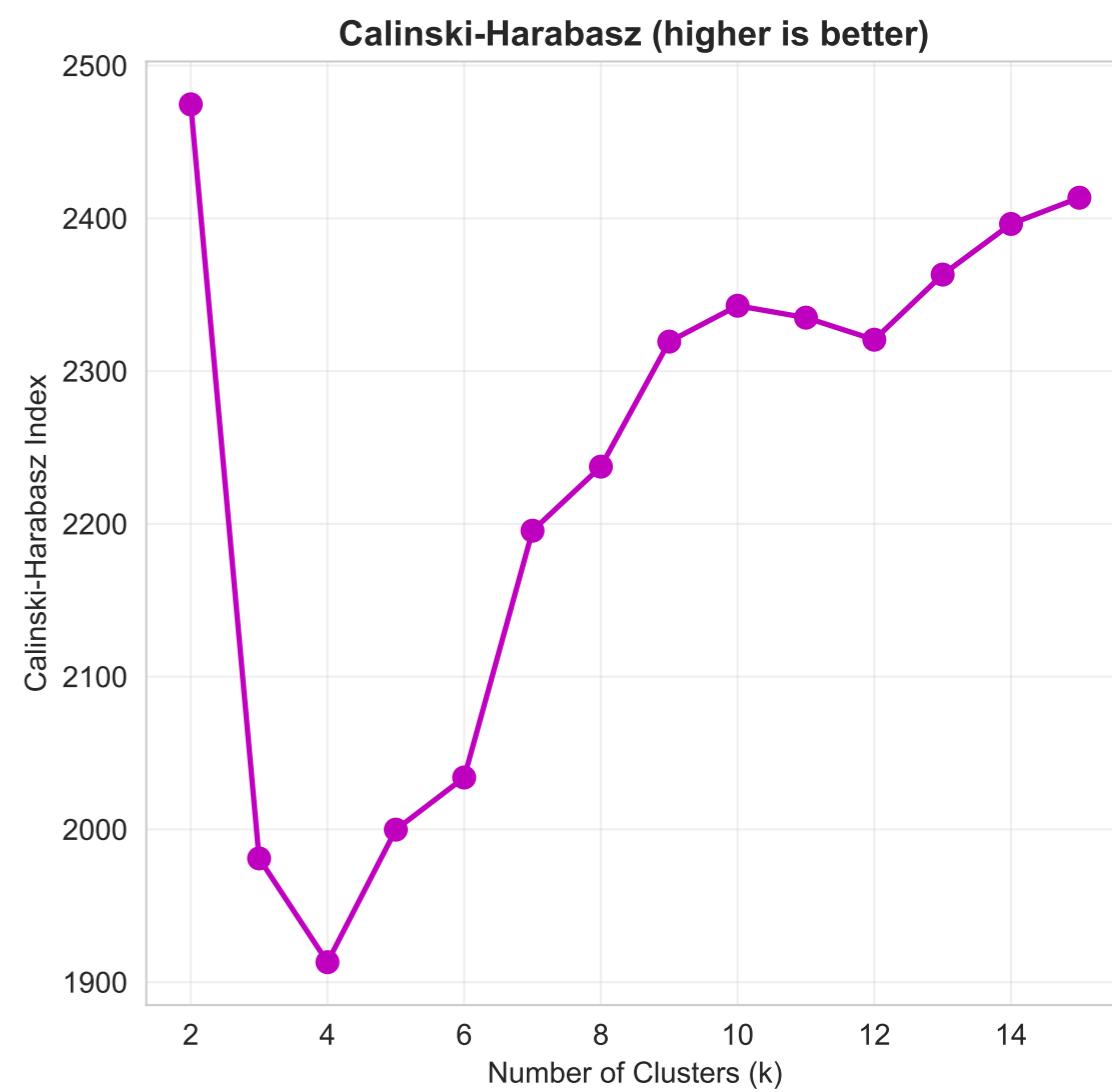
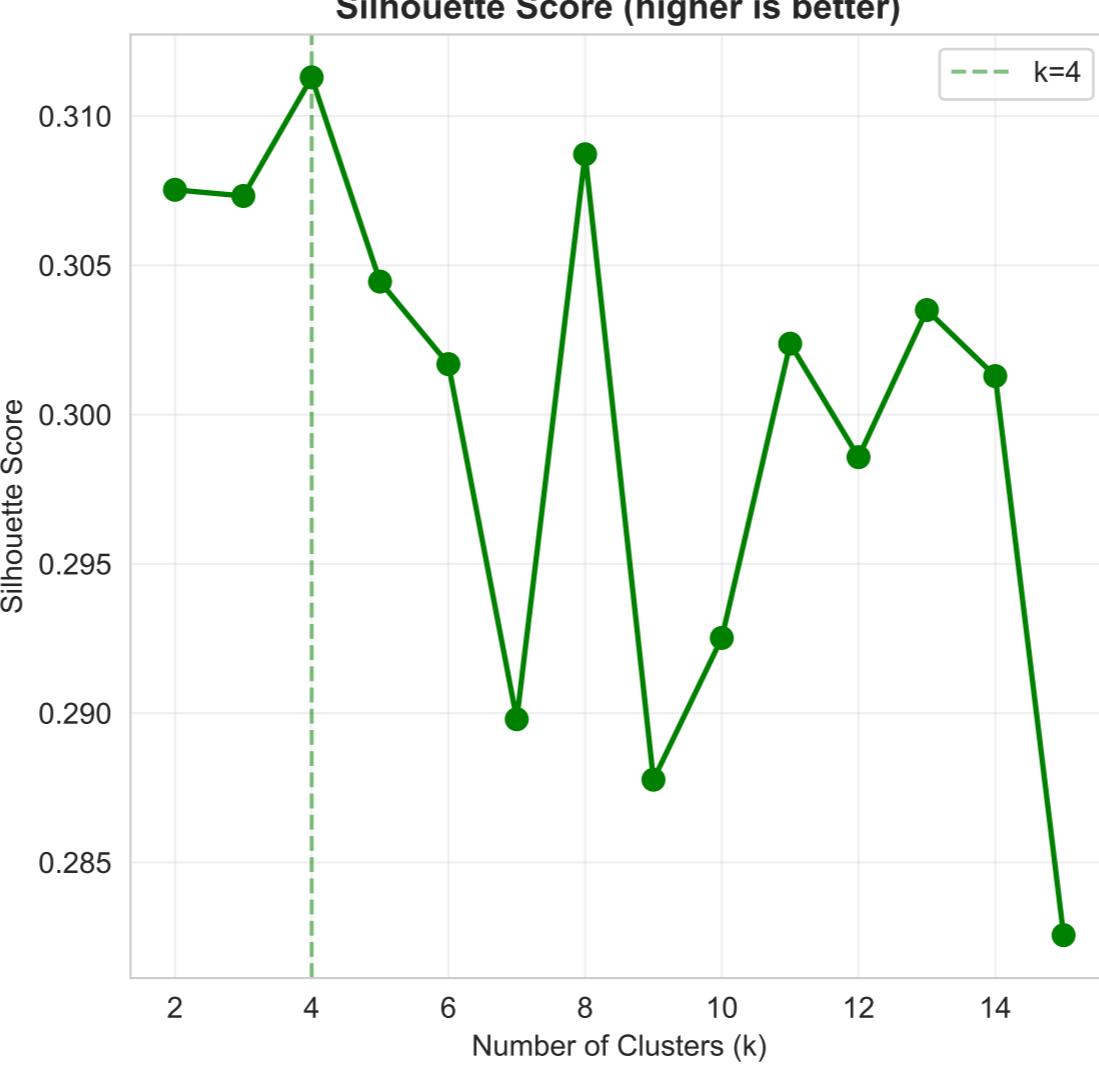
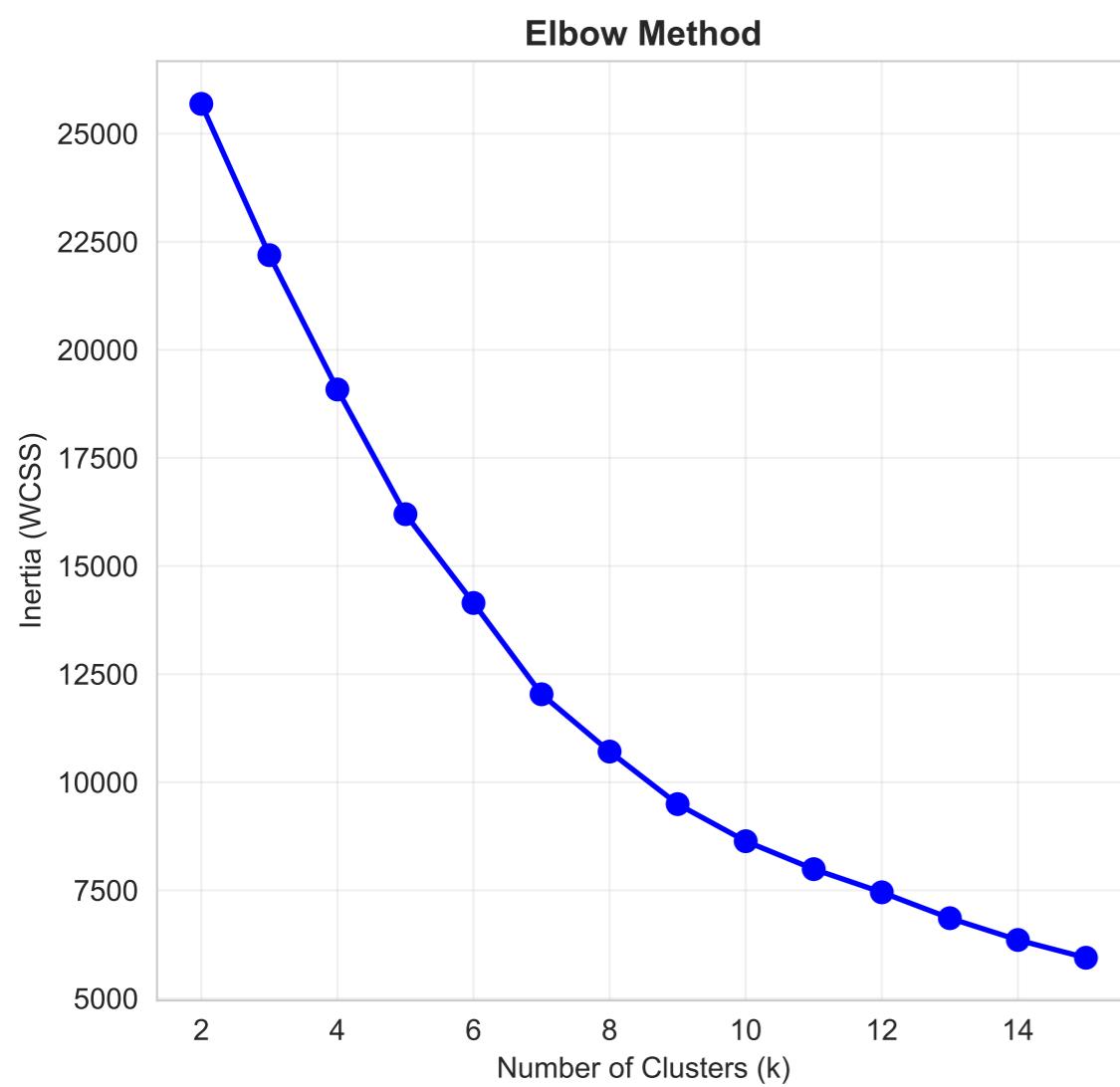
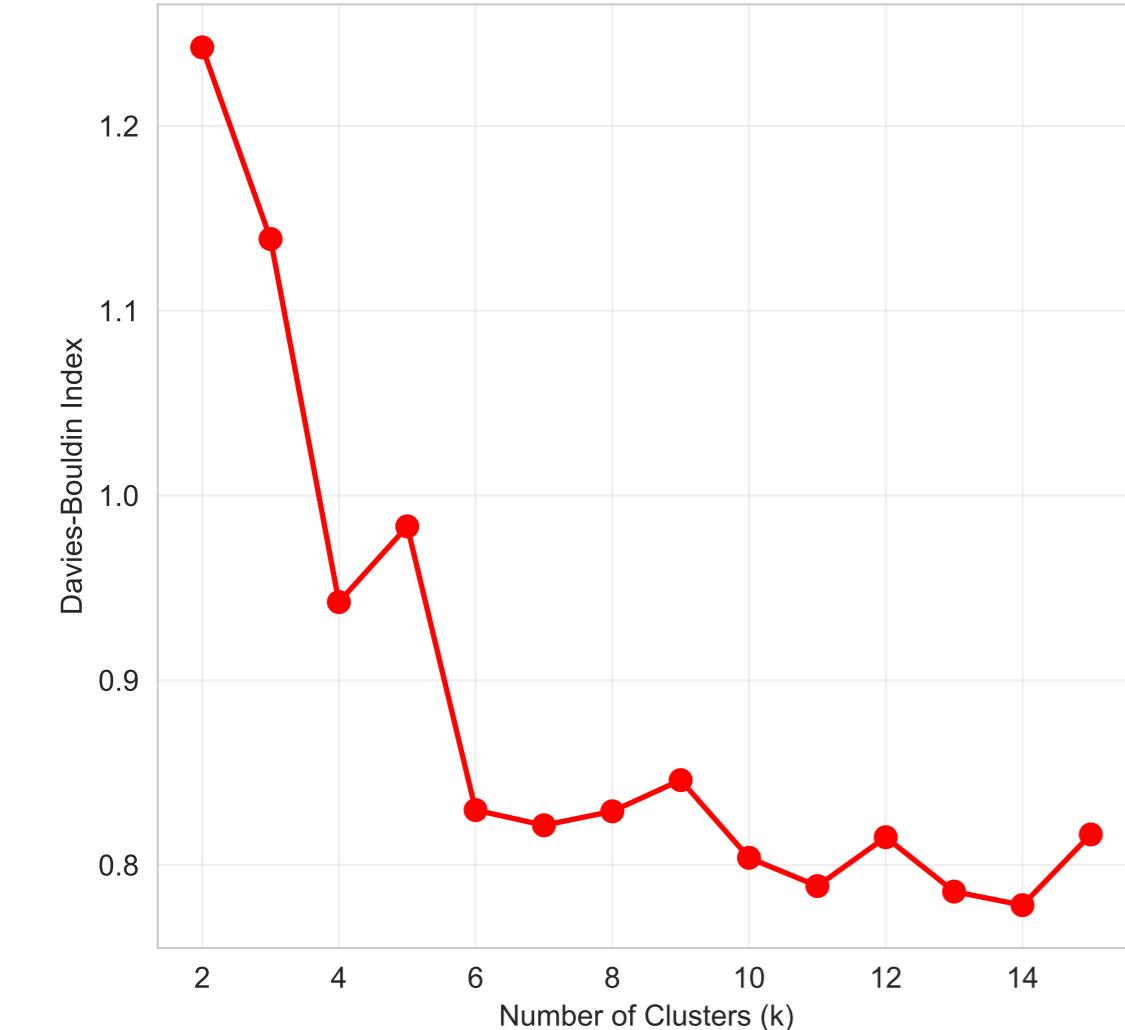


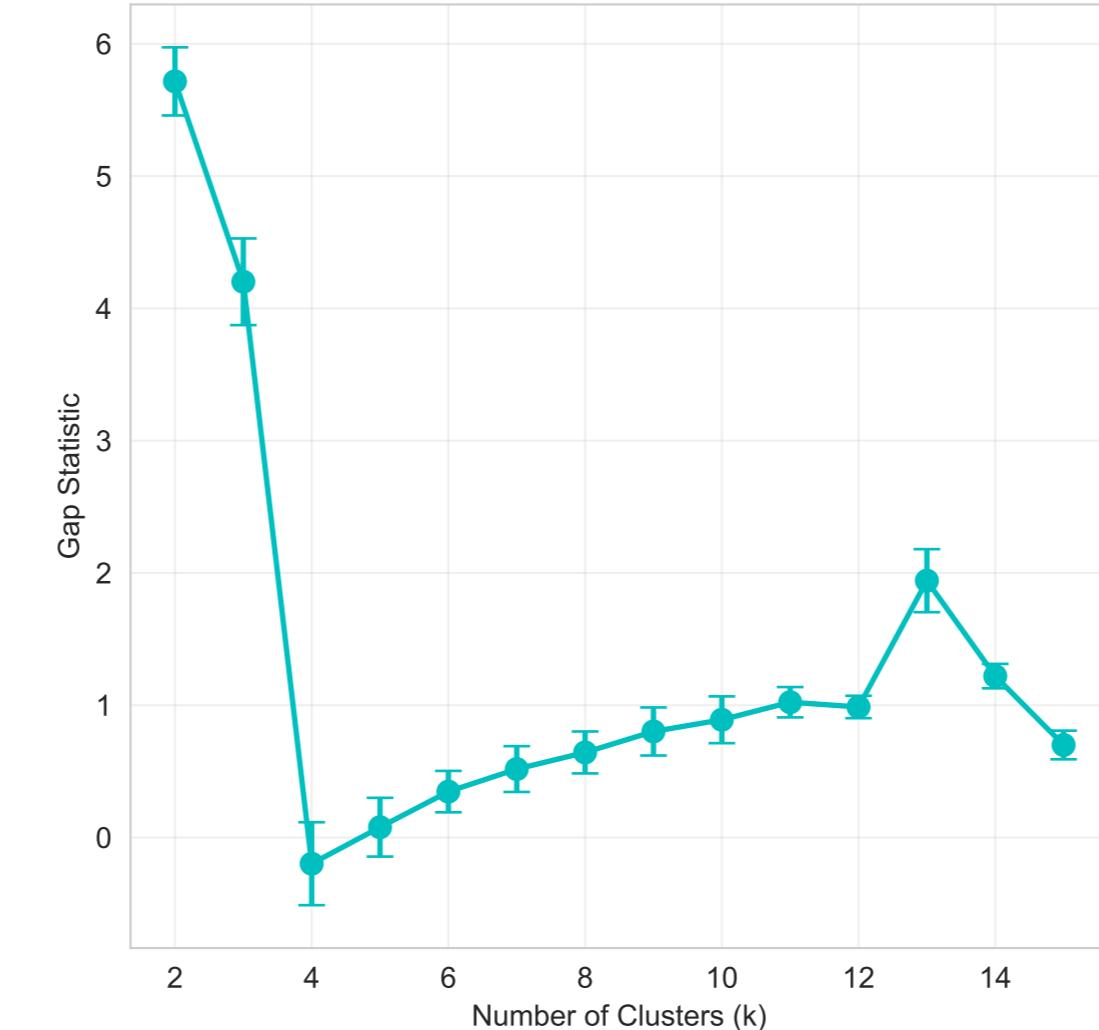
### Optimal Number of Clusters Determination



Davies-Bouldin (lower is better)



Gap Statistic



#### OPTIMAL $k$ SUMMARY

Silhouette (max):  $k = 4$   
Calinski-H (max):  $k = 2$   
Davies-B (min):  $k = 14$