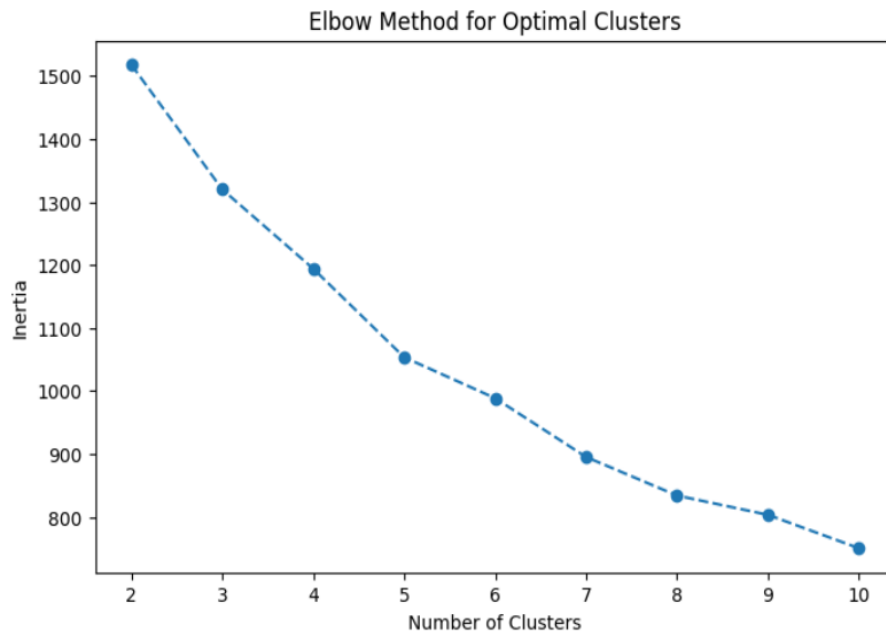


Report on Clustering Results

- **Number of Clusters Formed:** 5
- **Davies-Bouldin (DB) Index Value:** 1.5609169348735699
- **Other Relevant Clustering Metrics:**
 - **Inertia (Elbow Method):** The optimal number of clusters was determined using the Elbow Method, visualized by plotting inertia values against the number of clusters (2 to 10). The chosen optimal clusters(5) correspond to the 'elbow' point in the plot.



- **Cluster Visualization:** The clusters were visualized using the first two principal components (PCA), providing a 2 representation of the data.

