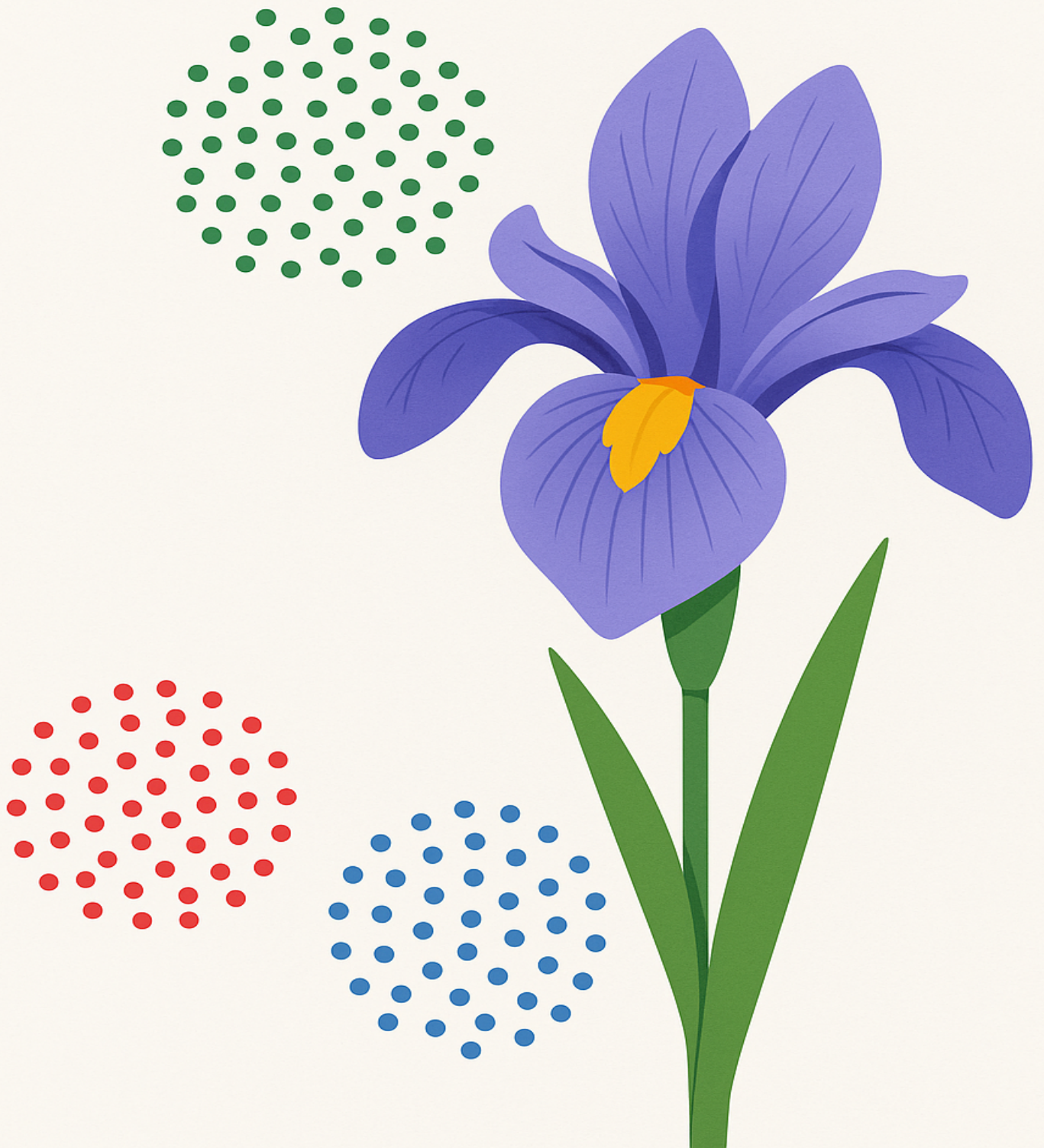


Clustering Analysis



Iris Clusters Analysis

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Business Understanding

Data Understanding

Data Preparation

Modeling

K-Means Clustering

A partitioning method that divides the dataset into k clusters based on distance to centroids.

Hierarchical Clustering

Builds a dendrogram to represent nested groupings

Gaussian Mixture Model (Model-Based Clustering)

Assumes data comes from a mixture of Gaussian distributions.

DBSCAN (Density-Based Clustering)

Detects clusters of varying shapes and identifies noise.

Evaluation

Deployment

Conclusion

About the Author