





Quick Comparison Table

Algorithm	Speed	Memory	Interpretability	Probabilistic Output	Best For
KNN	Slow prediction	High	High	No	Small datasets, local patterns
Naive Bayes	Fast	Low	High	Yes	Text classification, small data
Logistic Regression	Fast	Low	High	Yes	Linear relationships, baseline
SVM	Slow training	Medium	Medium	No	High dimensions, complex data

Key Takeaway Each algorithm has its sweet spot! Choose based on your data size, complexity, and interpretability needs.

