

4. Best Practice for a Data Scientist

Approach	When to Use	Pros	Cons
Check assumptions first	If using simple models like Linear/Logistic Regression	High interpretability, faster explanation	May fail if data is non-linear
Directly apply complex models	If accuracy matters more than interpretability	Handles non-linearity, better performance	Hard to explain without SHAP
Complex models + SHAP	Best balance	Accurate and explainable	Slightly more computation