

Anomaly Detection	Compare Algorithms		
	Model	Isolation Forest	Autoencoder
	Type	Decision Trees	Neural Network
	Architecture	Randomly partitioned trees (isolation trees)	Encoder-decoder neural network with bottleneck layer
	Speed	Fast	Slow
	Best For	Simple implementation of anomaly detection without much preprocessing	Complex, high-dimensional data where nonlinear feature extraction is needed
	Limitations	Less effective on highly nonlinear or categorical features	Requires large datasets and tuning; sensitive to architecture and data preprocessing
	Corresponding Package	scikit-learn	pytorch
	TL;DR		
	If you want simple implementation, Isolation Forest		
	If you want more flexibility to define what is anomaly, Autoencoder		