

Technique	Best use case	Outlier sensitivity	Production stability	Governance ease
Min-max scaling	Bounded features, scoring systems	High	Low without recalibration	Moderate
Z-score standardization	Shifting distributions, enterprise ML	Low	High	High
Log/power transform	Skewed financial or usage data	Low	Moderate	Requires documentation
Clipping/capping	Production safety net	N/A	High	Must be treated as a model risk decision