Metric	Target types	Forecast formats	Properties
gray!6CRPS (Continuous) ranked probability score	gray!6continuous integer	gray!6closed-form, samples (approximation)	gray!6proper scoring rule, global, stable handling of outliers
Log score	continuous, (integer not in scoringutils)	closed-form, samples (approximation)	proper scoring rule, local, unstable for outliers
gray!6WIS (Weighted) interval score	gray!6continuous integer	gray!6quantile or interval predictions	gray!6proper scoring rule, global, stable handling of outliers, converges to crps
DSS Dawid-Sebastiani score	continuous, integer	closed-form, samples (approximation)	proper scoring rule, somewhat global, somewhat stable handling of outliers
gray!6Brier score	gray!6binary	gray!6binary probabilities	gray!6proper scoring rule
Interval coverage	continuous, integer	interval forecasts (needs matching quantiles)	measure for calibration
gray!6Quantile coverage	gray!6continuous integer	gray!6quantile or interval forecasts	gray!6measure for calibration
Probability integral transform (PIT)	continuous, integer, quantile	closed-form, samples, quantile or interval forecasts	assesses calibration
gray!6Sharpness	gray!6continuous integer	gray!6closed-form, samples, quantile or interval forecasts	gray!6measures sharpness, slightly different depending on forecast format
Bias	continuous, integer, quantile	closed-form, samples, quantile or interval forecasts	captures tendency to over-or underpredict (aspect of calibration)
gray!6Mean score ratio	gray!6depends on score	gray!6depends on score	gray!6compares performance of two models
Relative skill	depends on scored	depends on score	Ranks models based on pairwise comparisons

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