

- 1 This table summarizes the currently available metrics in XCast, and the name of the source of their
- 2 underlying implementations, if applicable. It also indicates if they measure the skill of two
- 3 continuous random variables, or the skill of probabilistic forecasts

	Probabilistic	Continuous	Scikit-Learn	SciPy	Statsmodels	OpenCV	Custom
Brier Score Loss (BSL)	X		X				
Rank Probability Score (RPS)	X						X
Continuous Rank Probability Score (CRPS)	X						X
Ignorance (IGN)	X						X
Point-Biserial Correlation (PBC)	X			X			
Hansen-Kuiper (HK)		X					X
Mean Absolute Percentage Error (MAPE)		X	X				
Kendall's Tau (KT)		X		X			
Bayesian Information Criterion (BIC)		X					X
Akaike Information Criterion (AIC)		X					X
Log Likelihood (LL)		X					X
ROC Area Under Curve (ROC AUC)		X	X				
Generalized Receiver Operating Characteristics (GROC)		X					X
F1 Score (F1)		X	X				
Average Precision (AP)		X	X				
Index of Agreement (IOA)	X						X
Nash-Sutcliffe Efficiency (NSE)	X						X
Kling-Gupta Efficiency (KGE)	X						X
Spearman's Correlation Coefficient (Spearman)	X			X			
Spearman's P-Statistic (SpearmanP)	X			X			
Pearson's Correlation Coefficient (Pearson)	X			X			
Pearson's P-Statistic (PearsonP)	X			X			