

Category	Metric	Definition / Measurement Approach	Purpose
Automated	Perplexity	Measures how well the model predicts missing tokens. Computed using log-likelihood on a held-out set.	Evaluates model fluency and text quality.
Automated	BLEU (Bilingual Evaluation Understudy)	Compares model output to reference text using n-gram precision and recall.	Tests accuracy and content overlap.
Automated	ROUGE (Recall-Oriented Understudy for Gisting Evaluation)	Evaluates model output against reference text using lexical similarity and longest common subsequence.	Measures informativeness and completeness.
Automated	Semantic Similarity	Measures cosine similarity using sentence embeddings.	Evaluates contextual relevance and semantic alignment.
Cultural	CSI Score (Cultural Sensitivity Index)	Weighted average of various cultural metrics.	Assesses overall cultural sensitivity.
Cultural	Stereotype Detection	Identifies and measures the presence of cultural stereotypes in generated text.	Ensures inclusivity and avoids cultural generalizations.
Cultural	Regional Appropriateness	Evaluates whether content is suitable for a specific geographic region.	Tests localization and contextual fit.
Biblical Integration	Contextualization Accuracy	Measures how well biblical references are integrated into the text.	Ensures meaningful and accurate cross-religious analogies.
Biblical Integration	Relevance	Evaluates how relevant the generated text is to the input prompt.	Tests cross-cultural interpretive value.
Cost	Tokens Used	Number of tokens generated by the model.	Assesses resource usage.
Cost	API Costs	Monetary cost of using the AI service.	Enables cost-performance comparison.
Cost	Inference Time	Average time taken per API call or benchmark run.	Evaluates computational efficiency.