The future of translation quality: Navigating Al, AutoMQM, and new translation methods



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Vision for Automated MQM





More annotators = less agreement An experiment in German





Semantic scoring: Beyond textual scoring

When textual scoring fails

Let's eat, Grandmother! Let's eat Grandmother

Ref	Нур	Words	BLEU	PE Distance	TER %	CharacTER	ChrfScore
After lengthy deliberations, the jury found the defendant guilty	After lengthy deliberations, the jury found the defendant not guilty	11	89.27	0.06	0.1	0.06	95.75
Insert the oil extractor tube and pour gas into the engine	Insert the oil extractor tube and pour <u>oil</u> into the engine	12	93.75	0.05	0.09	0.05	87.75



Semantic Scoring: Beyond textual scoring 2

Ottawa

Country-Capital

Spain

Italy

Germany

Japan

Canada

Turkey

Russia

Vietnam

China

Word embeddings

- 1. Numerical representation of words
- 2. Words that are similar are plotted close to each other







Semantic Scoring: Beyond textual scoring 3

Sentence Embeddings

- 1. Expand concept of word embeddings to sentences
- 2. Consider source and target







Semantic Scoring: Beyond textual scoring 4

Sentence Embeddings

- Lower scores indicates source and target may not match semantically
- 2. Erroneous information for user
- 3. Information may not adhere to be brand tone or style



