contentquo MT QUALITY EVALUTION METHODS

COMPARATIVE MAP

(C) 2020 ContentQuo OÜ. All rights reserved.

AUTOMATIC METRICS

TRADITIONAL QUALITY **METRICS (BLEU, ETC.)**

(++) free

QUALITY ESTIMATION (AI)

- (-) complex to apply, few ready tools

EDIT DISTANCE (PEMT)

- (-) not self-sufficient, need to do human

HUMAN EVAL (HOLISTIC)

DOCUMENT-LEVEL JUDGEMENT

(++) very cheap (++) no training required (++) very fast

(--) very low level of detail

"A/B TESTING" (SEGMENT)

(+) cheap

- (++) no training required
- (+) fast
- (-) low level of detail

(---) most subjective, apply w/caution

ADEQUACY-FLUENCY (SEGMENT)

(+) cheap

- (+) little training required
- (+) fast
- (+) reasonable level of detail
- (-) subjective, 2+ evaluators and

medium samples recommended

(--) very subjective, 3+ evaluators and large samples recommended

"PE EFFORT PREDICTION"

- (+) cheap (-) PE training required (+) fast (-) low level of detail
- (-) not suitable for Raw MT

HUMAN EVAL (ANALYTICAL)

11-30 CATEGORIES (DEEP)

evaluator differences

5-10 CATEGORIES (SHALLOW)

3+ SEVERITY LEVELS

2 SEVERITIES (MINOR, MAJOR)

NEED HELP TO CHOOSE THE BEST MIX OF MT EVALUATION METHODS? BOOK A FREE CONSULTATION AT <u>HTTPS://CONTENTQUO.COM</u>