

# PEMT human evaluation at 100x scale with risk-driven sampling

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human evaluation for actionable insights





## output of human quality evaluations





### example quality risk rules

PEMT jobs should be more likely to be picked for human quality evaluation when:

- [x4] Average Edit Distance for language X changed >10% over last 1 month
- [x2] Maximum Edit Distance for engine Y hit 60% twice over 10 translators
- [x0.5] Predicted Edit Distance for MTQE model Z differed >30% from ED
- [x1.5] Post-editor M's median Edit Distance is >30% different from average
- etc.

#### + Budget-guided cutoff point



#### continuous q.evaluation blueprint for PEMT





Improved ROI on human evaluations

Faster custom engine improvement More reliable fix of Red Pen Syndrome







### thank you! time for Q&A

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