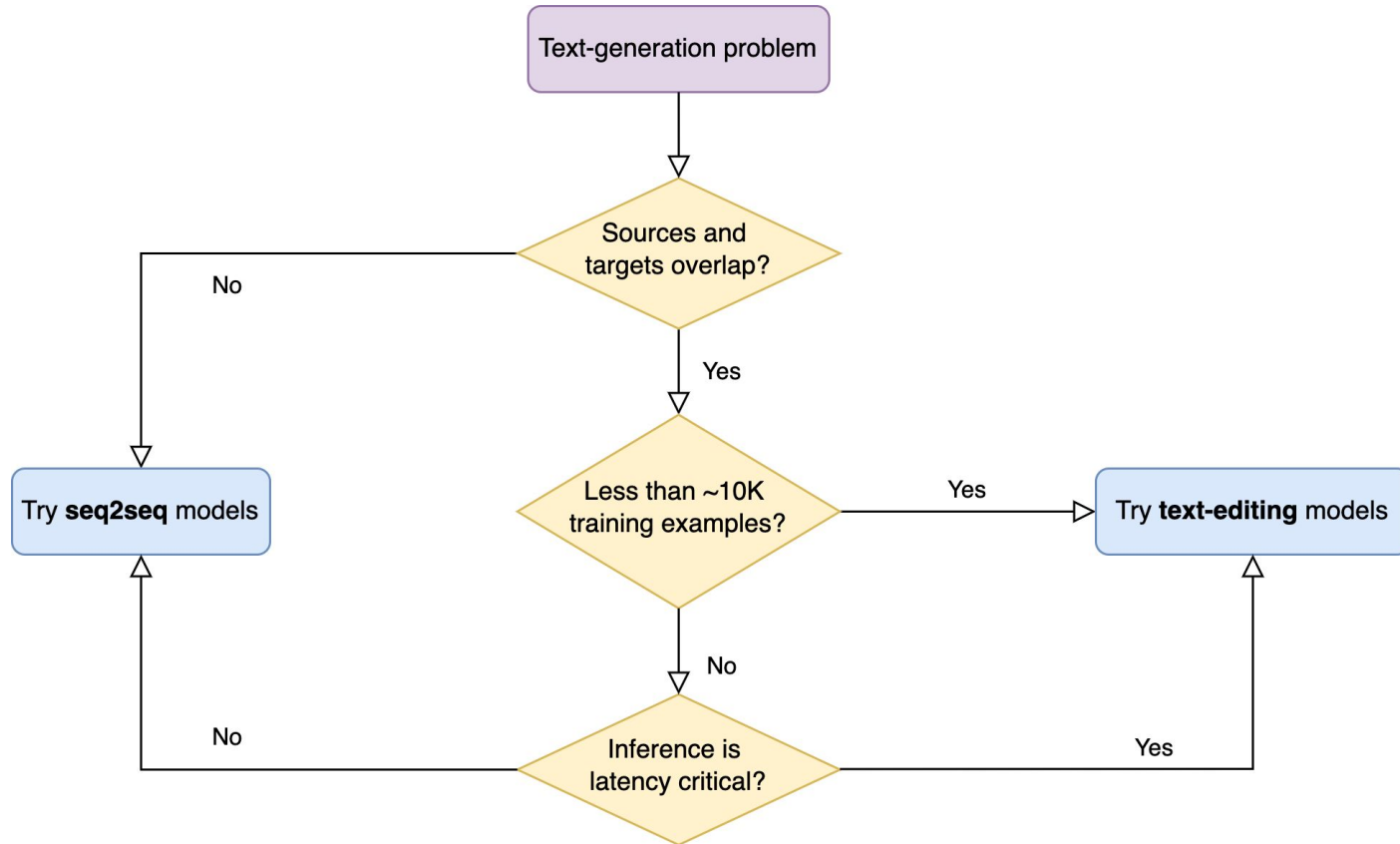# 7. Recommendations and Future Directions
Presenter: Eric

Recommendations

Open-sourced text-editing models

- EditNTS: github.com/YueDongCS/EditNTS

- Felix: github.com/google-research/google-research/tree/master/felix

- GECToR: github.com/grammarly/gector

- LaserTagger: github.com/google-research/lasertagger

- LEWIS: github.com/machelreid/lewis

- PIE: github.com/awasthiabhijeet/PIE

- Seq2Edits:

  github.com/tensorflow/tensor2tensor/blob/master/tensor2tensor/models/research/transformer_seq2edits.py

- (Straka et al., 2021): github.com/ufal/wnut2021_character_transformations_gec

Text-Editing benchmarks

- DiscoFuse (2019): https://github.com/google-research-datasets/discofuse

- EditEval (2022): https://github.com/facebookresearch/EditEval

- IteraTeR (2022): https://github.com/vipulraheja/IteraTeR

- SWiPE (2023): https://github.com/Salesforce/simplification

Open problems and future directions

1. Learned edit operations

2. Tokenization optimized for editing

3. Post-processing LLM outputs with text-editing models

4. Edit-specific fine-tuning of LLMs

   a. PEER [Schick et al. 2022]

   b. RewriteLM [Shu et al. 2023]

Thank You
Q&A