SMALL GENERATIVE LANGUAGE MODELS FOR EDUCATIONAL QUESTION GENERATION

Foundation Models

T5-base

Fine-tuning

SQuaD Dataset

Leaf

EduQG

Evaluation

SciQ Dataset

T5-small

S2ORC Dataset

Pre-training

ChatGPT
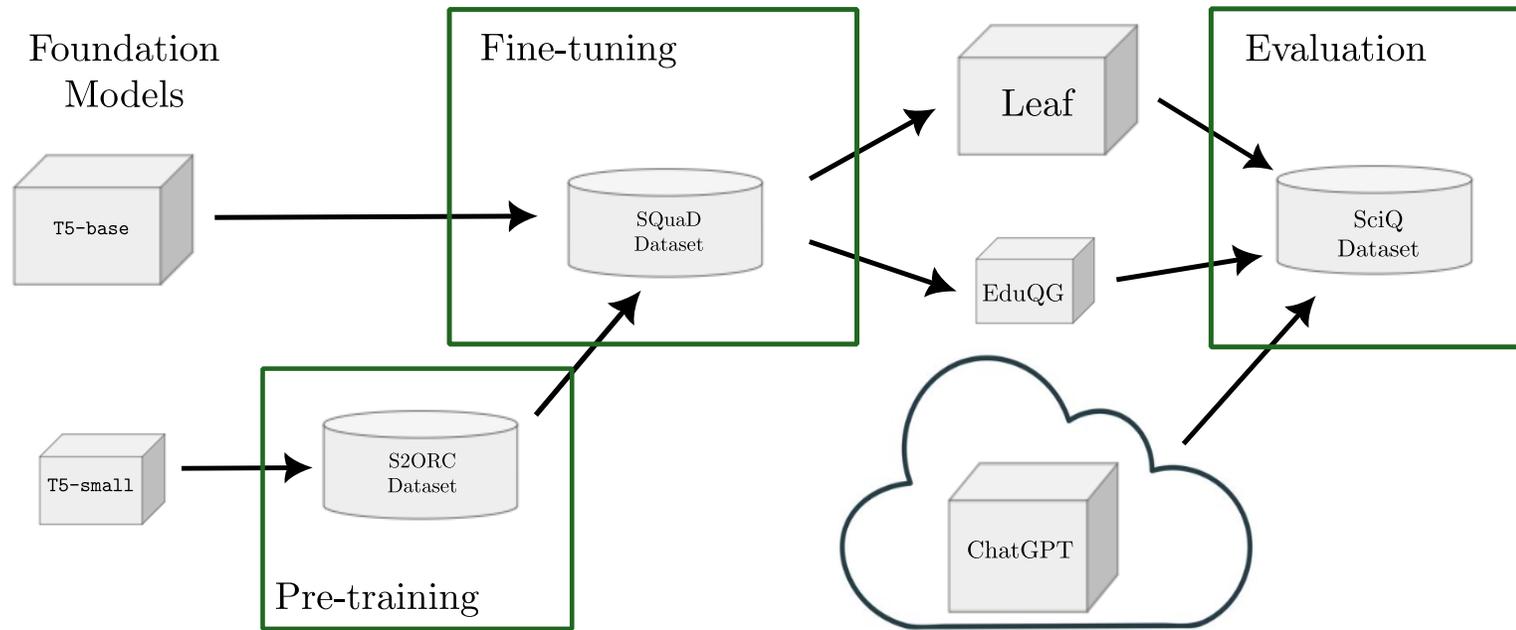
Conclusion

- Question generation capabilities of sLM are very similar to models that are almost 4 times larger.

Next steps

- Running human evaluations
- Identifying new datasets to improve cross-domain (beyond STEM) and cross-lingual capabilities