Master thesis

University of Tartu

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1 Meeting notes 1

1. Implement base-line for [Welbl et al., 2020] in modular fashion, so that we could easily substitute different training methods. This would allow us to proceed faster with our experiments, without changing the code much.
2. Ask [Welbl et al., 2020] for data(Yova).
3. Read additional papers: [Feng et al., 2018], [Neeman et al., 2022], [Li et al., 2022].
4. Continue doing research in areas of generalization of QA especially where a model doesn't pay attention to a context.
5. For in-context learning it would required additional deeper research.
6. Document along the way why a certain paper is useful to my thesis.

References

[Feng et al., 2018] Feng, S., Wallace, E., II, A. G., Iyyer, M., Rodriguez, P., and Boyd-Graber, J. (2018). Pathologies of neural models make interpretations difficult. In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing*. Association for Computational Linguistics.

[Li et al., 2022] Li, D., Rawat, A. S., Zaheer, M., Wang, X., Lukasik, M., Veit, A., Yu, F., and Kumar, S. (2022). Large language models with controllable working memory.

[Neeman et al., 2022] Neeman, E., Aharoni, R., Honovich, O., Choshen, L., Szpektor, I., and Abend, O. (2022). Disentqa: Disentangling parametric and contextual knowledge with counterfactual question answering.

[Welbl et al., 2020] Welbl, J., Minervini, P., Bartolo, M., Stenetorp, P., and Riedel, S. (2020). Undersensitivity in neural reading comprehension.