Review of: "From Turing to Transformers: A Comprehensive Review and Tutorial on the Evolution and Applications of Generative Transformer Models"

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Potential competing interests: No potential competing interests to declare.

The paper presents a fluid description of developments from Alan Turing to the current era of transformers. However, a few issues need to be resolved as follows:

1. The title must reflect that the paper focuses on generative Transformers in NLP domain.
2. The paper only covers some highly popular pioneering works missing out many significant contributions. A more in-depth survey could have been performed.
3. In Section 4, the applications could have been stated along with related references to give the readers who wish to work in those areas a starting point.
4. A table/ diagram can be included summarizing the pros and cons of the developments presented in the paper.
5. While the paper claims to cover works from Turing's time, it basically revolves around neural networks. Description of other machine learning approaches is missing.
6. Overall, the paper tries to cover a lot of topics but misses out in presenting a comprehensive and in-depth study. Also, a comparative study of the approaches along with a commentary of the works based on their applications must be included.