

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

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In the context of the current success of generative AI, the authors of this paper provide here a review of the transfomer generative models in a historical developement perspective. They go back to Turing computational foundations and its impact on Artificial Intelligence and the birth of first neural models and early language models. Then, they explain how the attention mechnism marked the advent of the transfomers revolution. They aslo describe generative transformers and their succesive models. They finish their synthesis by giving the limitations of these models and further remaining challenges and research avenues.

I appreciate reading this paper which is fluent and easy to undestand. The organization is relevant to the authors perspective in putting the reader in a certain historical context to understand the evolution of language models and their sucess. I don't find it very deep from a theoreticatical perspective but it is a good review of transformers models.

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