

Sujet de bibliographie sur les «Transformers »

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Transformers are models used in machine learning to encode sequential information like text or videos able to learn a lot of statistical link between these information in an unsupervised way. They are applied for text generation, text translation, and classification.

The goal of this bibliographic work is to recall the main principle of these models as well as their adaptation to different cases encountered in publications. It also aims at defining advantages and inconvenient of these models and current trends about them.

Starting point :

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W.-C. Huang, T. Hayashi, Y.-C. Wu, H. Kameoka, et T. Toda, « Voice Transformer Network: Sequence-to-Sequence Voice Conversion Using Transformer with Text-to-Speech Pretraining », *arXiv:1912.06813 [cs, eess]*, déc. 2019, Consulté le: oct. 18, 2021. [En ligne].

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K. Ahmed, N. S. Keskar, et R. Socher, « Weighted Transformer Network for Machine Translation », *arXiv:1711.02132 [cs]*, nov. 2017, Consulté le: oct. 18, 2021. [En ligne].

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