Recent Progress in Generative Models for Visual Contents

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Abstract :

This seminar provides the overview of recent large-scale generative models for visual content creation: The advancements in generative models, including autoregressive and diffusion models, enable a deep learning model to learn large-scale data distribution. Specifically, starting with text-to-image generation models, numerous research projects have shown astonishing results in creating visual contents such as images, videos, and 3D objects. In addition, the industry is also undergoing a paradigm shift in the content creation process based on recent achievements of generative models. However, there are also several limitations of current generative models for real-world applications. This seminar aims to offer insights into the future potential and challenges of these approaches.

Biography :

(2023.2 - 현재) Kakao Brain Team Lead Research Scientist
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