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국문 강연제목: 파운데이션 모델을 통한 헬스케어 인공지능의 발전

영문 강연제목: How Foundation Models Can Advance AI in Healthcare

Abstract

Artificial intelligence continues to amaze people with its advances. It is the foundation model that drives the evolution of artificial intelligence. Foundation models are pre-trained on large amounts of data, often from multiple sources, using self-supervised learning. Fine-tuning them for specific downstream tasks has achieved great success in various domains. They have particular potential in healthcare, where well-curated labeled data is scarce and model explainability is important. The future of foundation models in healthcare is promising, with numerous opportunities for more accurate diagnoses, personalized treatments, drug discovery, and a deeper understanding of complex health conditions.

Brief Biosketch

2019 - Present: Researcher, Center for Artificial Intelligence, Korea Institute of Science and Technology

2017 - 2018: Senior Engineer, Mobile Division, Samsung Electronics

2017: Ph.D., Biomedical Engineering, Seoul National University