1. What Changes Can Large-scale Language Models Bring

- HyperCLOVA
  - a large-scale Korean in-context learning-based LM with nearly 100B parameters
  - enhanced by Korean-specific tokenization (a Korean variant of 82B GPT-3 trained on a Korean-centric corpus of 560B tokens)
  - SOTA in-context zero-shot and few-shot learning performances on various downstream tasks in Korean
  - benefits of prompt-based learning → prompt engineering pipeline
  - HyperCLOVA studio: possibility of materializing the NO Code AI paradigm
- the three following practical issues of using GPT-3
  - the language composition of the training corpus is heavily skewed towards English with 92.7% → difficult to apply it to tasks in other languages
  - it is pragmatic and useful to know the capabilities of various sized models
  - advanced prompt-based learning methods that require backward gradients of inputs have not yet been experimented for an in-context large-scale LM learner