



Be Polite! Deep Learning For Generating Polite Sentences

Recent advances in deep learning have shed some light on generative models for natural language. Generative models are useful for natural language processing, for example, we can generate diverse responses in a dialogue system by simply sampling in the latent space of a variational autoencoder. However, these methods generate natural language sentences in an “out-of-control” fashion, which means you have no idea or control of the attributes of the generated sentences. For example, you might find your model generate sentences which are rude, or even offensive.

To solve this problem, we aim to generate natural language sentences in a controlled fashion. To be specific, we will delve into the research problem of generating polite sentences from rude sentences, while preserving the original meaning of the sentences. Generating polite sentences has wide applications in real world, for example, an online chat forum can automatically change a rude user input into a polite one.



In this project, you will leverage state-of-the-art deep learning models. You will also have access to powerful GPUs, and weekly discussions.

Requirements: Strong motivation, proficiency in Python, ability to read papers and work independently. Prior knowledge in deep learning is preferred.

Interested? Please contact us for more details!

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