Progress Note (Week 6)

1. Experiment Purpose

To evaluate how well the ChatGPT model converts Jeju-dialect sentences into standard sentences when grammatical features of the Jeju-dialect are given.

1. Models
   1. Vanilla GPT (VGPT)

ChatGPT model without any system instructions or prompt conversations.

* 1. Example Instructed GPT (EIGPT)

ChatGPT model with example instructions.

* 1. Feature Instructed GPT (FIGPT)

ChatGPT model with feature instructions.

* 1. Example and Feature Instructed GPT (EFIGPT)

ChatGPT model with examples and feature instructions.

1. Hyperparameters
   1. Grammatical Features (GFs)

Since Jeju-dialect has lots of unique expressions or words, so it is hard to reflect all features.

We will only consider the change of verbs according to role or time.

* 1. Training Dataset

Pool of training sentences – done by Darae.

The number of training sentences – Give ten sentences as examples.

* 1. The number of testing sentences – fixed as one

1. Experiment Architecture
   1. Experiment #1

How does the ChatGPT span responses depend on GFs?

Try several kinds of GFs with different format.

Determine which GFs to provide.

* 1. Experiment #2

Figure out the number of ideal training sentences.

Target: 5, 7, 10 sentences.

By using the results of experiments, determine entire hyperparameters.

Evaluate each model and construct benchmark score sheet.