**MAIN DIRECTORY FOLDER:**

* sentence\_topic\_lang\_registers.py: Counts the number of formal and informal translations for each sentence topic given a txt file
* formality.py: A generalized program that determines and records if a Korean sentence is formal or informal and output unknown for edge cases. This program outputs the results into formalinformal.txt
* bleuscore.py : calculates BLEU score based on 2 txt files
* IAA.py: calculates Cohen's Kappa for two annotation text files (korean\_translation1.txt and korean\_translation2.txt)

**AUSTINS PROGRAMS (in Yandex folder):**

* yandex.py : Translates 500 polish sentences (from polish\_translations.txt) into Korean using Yandex.Translate. The outputs of this program were korean\_direct\_translations,txt, english\_pivot\_translations.txt, and korean\_pivot\_translations.txt.
* yandex\_finetuned.py: Modified version of yandex.py that produces translations in Korean in the formal language also using Yandex.Translate

**LARAS PROGRAMS (in OpenNMT):**

* openNMT.py: Translates 500 polish sentences (from polish\_translations.txt) into Korean using OpenNMT. The outputs of this program were korean\_direct\_translations,txt, english\_pivot\_translations.txt, and korean\_pivot\_translations.txt.
* setup.py: program that setups the OpenNMT model

**SABINAS PROGRAMS (in Facebook Hugging Face Folder):**

* Sabinas\_HuggingFace\_Informal.ipynb: Translates 500 polish sentences (from polish\_translations.txt) into Korean using FB Hugging Face Mode. Then, the bleu score is calculated against korean\_human\_informal.txt.
* Sabinas\_HuggingFace\_on\_Formal.ipynb: Translates 500 polish sentences (from polish\_translations.txt) into Korean using FB Hugging Face Model, calculates bleu score using korean\_human\_formal.txt (formal translations)
* Pivot\_Sabinas\_HuggingFace\_on\_Informal&Formal.ipynb: Translates 500 polish sentences (from polish\_translations.txt) into English using FB Hugging Face Model and outputs that into enlgish\_pivot\_translations.txt, then translates those English sentences into Korean, producing korean\_pivot\_translations.txt. Then, the bleu score is calculated against korean\_human\_informal.txt and korean\_human\_formal.txt.
* Sentenceformality\_.ipynb: Sabina’s version of the formality.py file within the main directory