1. **Resources used: Hugging Face**
2. I used Python Virtual Environment to install all my dependencies and to run the scripts. See first steps in the installation page:<https://huggingface.co/docs/transformers/main/en/installation>
3. Pretrained Models from Hugging Face: <https://huggingface.co/models>
4. LNP / Text2TextGeneration pretrained model:<https://huggingface.co/models?pipeline_tag=text2text-generation&sort=downloads&search=figurative-nlp>
5. I worked with these 2 models:

**First model :** figurative-nlp/t5-figurative-paraphrase.This model can convert the figurative/metaphorical expression to the literal expression.

<https://huggingface.co/figurative-nlp/t5-figurative-paraphrase>

**Second model:** figurative-nlp/sarcasm-hyperbole-humor-paraphrase.

There is no description about this pretrained model, I just tried to see what

We get, even if we don’t have the description of the model. In any case, it

Was created to make a conversion from figurative to literal text:

<https://huggingface.co/figurative-nlp/sarcasm-hyperbole-humor-paraphrase>

**2.** Only for the metaphor I tested only one model, for the others, I tested both.

**3.** I tried to test the models on a sample of 1000 inputs, but it takes a lot of time. Thus, to save time I only took a sample of 100 inputs, the first 100 inputs.

**4.** **All the csv files are from AI4GoodLab M3 project / Datasets(downloaded from the following link on Sanday, June 4th)** : <https://drive.google.com/drive/folders/1EJRCl9YTmYmpXVkDgCHQQ5XdBK-myTBd>

**5.**  As I said during today's TA session, I just gave the model inputs, and I wanted it to give me an output, and to randomly see visually what the model transformed.