Weekly Schedule Schedule: Monday, 7:00 PM - 8:00 PM In-Person, Wednesday 3:00 - 5:00 PM In-Person, Saturday 1:00 PM Online.

Project: <u>MBTI Personality Classification</u>
Our github repo: https://github.com/acmucsd-projects/Team-TBD
Attendees: Catherine, Phillip, Ryan, Aryaman, Sia, Hargen

Summary of Meeting

EVERYONE: Add links/tools you use to the resources section at the end of this google doc. Also, PUSH TO GITHUB WHENEVER YOU HAVE DONE SOMETHING – SO WE ALL KNOW.

<u>Tasks FOR EVERYONE by Saturday</u>

Model Improvement (Hugging face??) and modularize code: <u>Hargen, Catherine, Phillip</u>

- ☐ Improve the model in terms of model accuracy (Keep model below 300m parameters<u>)</u>
- ☐ Incorporate hugging face to tokenize the texts (learn the basic setup of hugging face)
- ☐ Learn necessary tools just enough to improve the model
- ☐ Convert the BERT from previous project team into our model (from previous project team [repo](#))
- ☐ Modularize notebook into individual .py files (train.py (take in hyperparameters like lr), utility.py, process.py, dataset.py, model.py)
- ☐ automate the training process by writing a script to train the model with parsed hyperparameters (with argParse - argParse library to parse arguments to automatically run the notebook)
- ☐ Save model weights, codes, base model

Learn app deployment (streamlit/gradio): <u>Aryaman, Sia, Ryan</u>

- ☐ Learn the basics of the model (to better deploy the app?)
- ☐ Learn the basics of app development tools
- ☐ Get chatbot running on streamlit
    - ☐ Could be existing model

ADD TASKS ABOVE IF YOU THINK YOU CAN COMPLETE THAT BY SATURDAY!!!

DO WE AGREE on the task split??? If yes, type your initials!!!

RW, CZ, HZ, PW

Random Ideas (add here if you have thoughts on how to improve our project):
- Before running the whole training, run one batch of data and see if the model learns anything.
- Collaborate maybe miro

Datasets:
Kaggle (MBTI) Myers-Briggs Personality Type Dataset

Notebook with various classification methods on above dataset

Hugging face model

Bert hugging face model

Resources Section (add whatever tools you have used here!!!)
- Learn the Basics — PyTorch Tutorials 2.1.0+cu121 documentation
- Sentiment Analysis Tutorial
- (1) PyTorch Prerequisites - Syllabus for Neural Network Programming Course - YouTube
- Any useful resources for the team can be organized into this resources/ folder
- **Learn PyTorch** from YouTube tutorial (as much as you can)
- Learn basic classification pipelines from Kaggle (from other people's notebook)