

HW 5 – Multi-label Classification Using HuggingFace Trainer(15 Points)

Required Submission files:

Submit the following two files:

1. **FirstName_LastName_HW5.ipynb**

- No pdf files are required

TASK: Emotion Detection

In this competition, you will work with a unique dataset of tweets, each labeled with a range of emotions such as anger, joy, optimism, sadness, and more. The objective is to develop predictive models that can accurately classify multiple emotions conveyed in a single tweet.

Data:

The HW is part of the in-class Kaggle Competition. The task and data details can be found from the following link: <https://www.kaggle.com/t/6e1f3333137042f1897a920c9b8d5620>

Model:

- For this HW you have to create your own model from scratch. You can use feed-forward Neural Network. Optional (Try LSTM).
- You are not allowed to use pre-trained models for HW5.
- You have to use HuggingFace Trainer and Huggingface Dataset for this HW

Reference File: 7_HF_Trainer_BERTCode/1_imdb_complete_example_hf_trainer.ipynb