**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 HiggingFace Trainer and Huggingface Dataset for this HW

Reference File: 7\_HF\_Trainer\_BERTCode/1\_imdb\_complete\_example\_hf\_trainer.ipynb