**CSE523 Machine Learning**

**Prof. Mehul Raval**

# **Stress Detection**

**Week 2 Report**

| **Name** | **Enrolment Number** |
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| Mohsinali Vijapura | AU2040080 |
| Manan Vadaliya | AU2040264 |
| Pruthviraj Dodiya | AU2040175 |
| Mitsu Sojitra | AU2040157 |

**Problem definition :** The mental health of people is being threatened by stress, worry, and sadness. Everybody's stressful lifestyle has a cause. People frequently ask for advice regarding their lives on Reddit's subreddits and post their feelings in the form of posts and tales on social media sites like Instagram. In order to determine the stress based on the input language provided, we will try to create a stress detection system using machine learning.

**Link to the dataset which we will be using:** <https://raw.githubusercontent.com/amankharwal/Website-data/master/stress.csv>

**Progress:**

* We have downloaded the stress dataset from the given link and loaded it into a colab notebook.
* We have explored the dataset using Pandas and Numpy libraries to understand its structure and content.
* We have performed some basic data cleaning operations such as removing missing values and duplicates.
* We have visualized some basic statistics of the dataset using Matplotlib and Seaborn libraries.

**Next Steps:**

* We plan to preprocess the data to identify any correlations and dependencies.
* We will explore more machine learning algorithms to determine the best one for our project.
* We will start implementing the chosen algorithm on the preprocessed data.