The topic we chose focuses on classifying emotions from textual data.

This is not only applicable in various technological contexts but also provides insight into psychology in terms of monitoring the mental states of users. It could potentially detect early signs of depression, or monitor the group consensus of a certain forum (like a subreddit) by analyzing textual data. Given the intricacies and nuances of human language, which include a mix of relevant and extraneous information, deep learning is essential for effectively processing and categorizing this data.

We use this dataset from [hugging face](#) which comprises around 58,000 Reddit comments. These comments have been labeled across 28 distinct emotion categories such as embarrassment, excitement, fear, gratitude, and neutrality. Our model will use deep learning, multi-class classification, and natural language processing (NLP) that can accurately classify these emotions from text.