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How we can take Emotions from text inputs With the help of HCI And colour

INTRODUCTION

The overall aim of this project is to explain how we can use text as a form of explaining our emotion with the help of colours, the process will contain an interactive website to show how text is important for emotion visualizations. Colours will be used to help define the emotion based on the text provided.

TECHNOLOGIES USED

To create the software for my project I will use JavaScript for the interactions, HTML5 for the structure of the website and CSS for the styling of the software.

EMOTIONS AND HCI

HCI as a whole is important for all fields of the computing industry since it allows the computer to interact with its user and emotions are important as they make us human. They are relevant towards this project because I am trying to find out how text can be used as a form of expressing you emotions by reading the user text input and presenting the output with an emotion with the help of emojis and colours. These aspects together combined can create visualizations that helps users understand the concept of the data as well as their opinions to improve or agree with the data present. We all have emotions due to previous events that we have witnessed in our lifetime which can be used to define text inputs on social media like Facebook and Twitter .

THE APPLICATION

The application will be a website which will contain the main components shown here, it works by entering text information into an input section of the software which will provide a response by giving the emotion it thinks you are feeling based on the input text and a colour will be provided with the output visualization.

THE IDEA

My idea came from a visualization tool that takes a user's text input and displays how the text is represented with emojis to determine emotions with colour to help. The software created for the inspiration was in Java a programming language including interactions and simple visuals. They also provided the solution in a separate software however mine will be created within a website

PERCEPTIVE IMPORTANCE

Perceptions is an important type of visualization in HCI since we are mostly viewing data or graphical software so we create a form of reaction towards the visualization otherwise we would all be the same kind of person with no form of personality.

Main Reference Certation: https://arxiv.org/abs/1701.06270v2