

CE Query

-Evaluate Sentiment Analysis

SIT782 Capstone Project

Introduction

- * A web application developed to ease the feedback of analysis process.*
- * The Input is a file containing Comments i.e. phrases and sentences and a dictionary containing domains and subdomains with respective to the fields. Eg: Student, hospital, company, etc.*
- * The input is processed using different algorithms.*
- * The result is generated in the form of charts and graphs.*

Features

- * Graphical User Interface
- * Input of words (Excel Sheet)
- * Classification of comments into Domains & Sub-Domains.
- * Classification of comments as Positive and Negative .
- * Results displayed as graphs and charts.
- * Result file can be downloaded.

Deliverables

-end of T1 2020

- * Run the application using multiple Dictionaries.
- * Generate a file which contain words and its corresponding Sentiment Score.
- * A click-on graph of the result obtained, which provides the line chart and reduces the ease to analysis.
- * Create a dictionary page where user can add more dictionaries.
- * To add more features in the GUI.

Activities undertaken

- * Obtain more insights on the project.
- * Client meeting.
- * Requirements were well understood.
- * Introduction of new members to the team.
- * Explain project to new members.
- * Finding new techniques to reach the Deliverables.

Members Involved

The team members are divided based on the 'Server side' and 'Web Design'.

Server Side:

JYOTHINAGAVENKATA SAI KRISHNA ASRITH MADDULA (LEAD)

ANKITH RAVI REDDY

Web Design:

ADITHYA NALLURI

SUSHMITHA GUDURU

Task Division

Asrith Madulla

- * Addition of dictionaries.
- * Sentimental Analysis.

Ankith Ravi Reddy

- * Sentimental Analysis.
- * AWS

Adithya Nalluri

- * Dictionary page
- * Click on graph

Susmitha Guduru

- * GUI
- * click on graph

Name	skills	Junior/senior	Job	Area of work
Asrith Maddula	python	Senior (Leader)	Back End	Add dictionaries and sentimental analysis
Ankith Ravi Reddy	python	Senior	Back End	Sentimental Analysis
Abdullah Siddiqi	python	Junior	Back End	Add dictionaries and sentimental analysis
Meghana Sanjay Jadav	python, R	Junior	Back End	Add dictionaries
Adithya Nalluri	python, Java script	Senior	Front End	Dictionary page
Susmitha Guduru	python, Java Script	Senior	Front End	Line chart
Shoaib Maqbool	python, R	Junior	Front End	Line chart
Vijay Motharapu	python	Junior	Front End	Dictionary page
Taimoor Saleem	python, R	Junior	Front End	Line chart
Pranay Kumar Seethala	python	Junior	Front End	Dictionary page
Akil Shiva Kumar Muliki	python	Junior	Front End	Dictionary page

Plans for next Iteration:

- * Creating a logical code so that we can extract the domains and sub domains automatically from various dictionaries.
- * Getting a sentimental analysis library and get a sentiment score for each comment.
- * Clicking on a graph which produces an empty interface where the line graph appears based on the sentimental score.

Adding Dictionaries:

- * In the previous trimester, we have only on dictionary. So we have hard coded the locations of the domains and subdomains.
- * In this trimester, we are including a code so that we can get the domains and sub domains data frames for different dictionaries.
- * I have been discussing the logic with my team members and we will implement this logic by the end of this semester.
- * I have been upskilling on flask.

Sentimental Analysis:

- * In this trimester, we are getting a sentimental analysis for each comment and creating a data frame with every comment and respective sentiment score.
- * I have been researching for sentiment analysis algorithm.
- * I have been upskilling on AWS.

Touch on graph

- * In the previous trimester we have bar charts to display the analysis results of the comments that are taken from the students.
- * In this trimester, we are adding the touch on graphs on an individual bar chart which display a line chart that will help in analysis of comments.
- * I am researching on touch on graphs.
- * I have been upskilling on flask.

Adding the Dictionary interface:

- * In this trimester, we are adding the dictionary interface, so that the client can add additional dictionaries.
- * I have been upskilling on flask.
- * I will be helping in touch on graphs.



Q&A