

Sim_score.py

Text Similarity Calculation

This module contains functions for calculating the similarity score between two sentences.

1)Functions

A) sim_score(s1, s2)

Calculates the similarity score between two sentences using fuzzy string matching techniques.

Calculated

a)ratio

b)partial ratio

c)token sort ratio

d)partial token sort ratio

e)calculated average and converted it into required range (i.e 0-1)

B)text_preprocessing(txt)

Preprocesses the input text by removing any non-alphanumeric characters.

Here I have used regex to clean the text

Flask_api.py

here I have created api using flask

we are getting text1 and text 2 as arguments from api endpoint

the we we are calling sim_score function and returning response in json

App.py

This file is used for creating streamlit framework for creating ui

All the functionalities are same like flask api only framework will be added