Fetch Rewards App Overview

Endpoints

Base Endpoint

`/`

This endpoint returns a simple HTML landing page related to the application.

Info Endpoint

`/info`

This endpoint returns my decisions to the points made in the assignment. It scrapes data from the HTML page on your S3 bucket and provides my answers as key:value pairs.

This endpoint accepts GET requests.

Example response JSON

```
{
    "Question 1: Do you count punctuation or only words?": "Answer 1: My
application does not count punctuation",
    "Question 2: Which words should matter in the similarity comparison?": "Answer
2: My application removes common stop words"
}
```

Text Similarity Endpoint

`/textsimilarity`

This endpoint accepts key:value pairs from a POST request. It will accept more than two pairs and returns a similarity comparison between all samples that ranges between 0 and 1.

This endpoint accepts POST requests in the format {key:value}.

For example, if you provide three samples (s1,s2,s3), the endpoint returns comparisons between s1 and s2, s1 and s3, and s2 and s3.

Example response JSON

```
{
    "Sample 1 vs Sample 2": "Similarity between two provided samples is:
0.7692307692307693",
    "Sample 1 vs Sample 3": "Similarity between two provided samples is:
0.38028169014084506",
    "Sample 2 vs Sample 3": "Similarity between two provided samples is:
```

```
0.3088235294117647"
}
```

Application Decisions

- Question 1: Do you count punctuation or only words?
    - My application does not count punctuation
- Question 2: Which words should matter in the similarity comparison?
    - My application removes common stop words
- Question 3: Do you care about the ordering of words?
    - My application does not care about the ordering of words
- Question 4: What metric do you use to assign a numerical value to the similarity
    - Number of matched words divided by total words in both variables
- Question 5: What type of data structures should be used? (Hint: Dictionaries and lists are particularly helpful data structures that can be leveraged to calculate the similarity of two pieces of text.)
    - Dictionaries, lists, strings, and tuples are employed