# Website Design Ranker

## Using Machine Learning

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14 NOVEMBER 2019

# Problem Statement

- Our project is aimed at ranking websites in terms of its design which is evaluated baised on certain parameters.
- Since a perfect model for website ranking is not in practice this follows ranking according to submissions by critics.

# Scope and Challenges

- There was no existing methodology for mannualfor analyzing and evaluating websites.
- The method which followed until this time was baised on submissions by the critics.
- Our main problem in evaluate website designs was that each websites were of different layout sizes so it was hard to compare.
- Visibility, clarity and duplicate content also affected.

# Proposed System

- Website Design Ranker will rank set of input websites based on certain parameters.
- The parameters we are focussing on are color and grid .
- Then we move on for public review.
- This will be helpful to finding the best website among list of websites.
- We can compare our website design with other competing websites.
- We can see how a website's design may improve in an area.

# Explanation

- It is an objective analysis of website designs by ranking them based on a parameter.
- The website's CSS file is scrapped via a web scrapper and then read through.
- The file is then parsed to find hex codes based on a regular expression.
- Once the codes are found, they are counted and printed using a variable.

# Methodology used

# Algorithm

1. Start
2. Using a website scraper to accept the various website addresses
3. Scraping through the source code of each website via CSS files
4. Find the hex codes of all elements of the website and count them with a count variable
5. If count $==$ 0

(4.1) Give mark as 0

6. else if count $>$ 5

(5.1) Give mark as 0

7. else if count $<=$ 5

(6.1) Give mark as 1

8. Stop

# Current Status

The website for public ranking of website designs is 90 percent complete.

Main colour code segment is working and needs to be unified under one file.

# Project Completion Time

# Experimental result

# Social and ethical relevence

# Conclusion

- Here we can see the logical differences in the approaches that our algorithm takes versus any existing methods.
- Our method relies on an objective and automated method that is consistent in nature as opposed to the subjective methods of the existing methods.

# References


1 - Google Page Layout Algorithm: Everything You Need to Know "https://www.searchenginejournal.com/google-algorithm-history/page-layout/close"

Fig:1 - https://cdn.searchenginejournal.com/wp-content/uploads/2017/10/google-algorithm-above-the-fold-380x238.png