Live Dashboard-esque Tool Proposal

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ABSTRACT
In this paper, I describe the road map that I will follow while developing live dashboard-esque tool system.

Keywords
Proposal, data collection, python, live dashboard system, Django, word cloud, sentiment analysis.

1. WHICH ANALYSIS WILL BE USED?

As you know from previous projects, my research questions were about sentiment analysis and similarity analysis. I will also use these analyzes in the live dashboard-esque tool that I will develop for this project. First of all, I will divide the web page into two columns and place statistics such as there are how many positive, negative and neutral expressions about the datasets that I applied sentiment analysis to in the left column.

On the other hand, the left side of the screen will be the part where the user can make interactive analysis. When the user types the subreddit name they want in the search box, I will show the statistics such as there are how many positive, negative, neutral expressions among the corresponding subreddit titles.

In addition to the above feature, the user will be able to see the positive, negative, and neutral counts of tweets marked as possibly sensitive. I'm thinking of doing this using the checkbox input form. Also, user will enter the desired range, and the sentiment analysis results of tweeter users who have the number of followers in that range will be printed on the screen.

2. WHICH TOOLS WILL BE USED?

Since I will produce a web-based application for the Dashboard tool, I decided to use Django. Django is a high-level Python web framework that promotes quick development and simple, practical design. It's built by professional developers to take care of a lot of the challenges of web development so programmer can concentrate on developing their application rather than focusing on web development part. It's open source and free.[1]

On the other hand, I will retry to create word cloud that I could not finished properly for the previous project. I will try to use stemming and random sample of the words. To be able to this, I will use word cloud library for python.

3. REFERENCES

[1] Django Project. Meet Django Retrieved Dec 8 2021 from https://www.djangoproject.com/