# Positive news website: an alleviation of depression

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#### Introduction

The negatively biased information from news leads to a negative mood in people such as anxiety and depression, creating even biased perspectives. To alleviate the negative mood and improve the positive psychological health, we decided to create a website that brings positive information to our website users, providing positive information that relieves their negative bias.

# Our Approach

- Building a website that aggregates only positive news in order to alleviate negative mood, prevent negative attentional bias from taking over.
- We wanted to find a way to define positivity, so first we conducted survey questions that can associate keywords in the headlines with emotion, but the results showed that some keywords in the headlines were controversial, therefore cannot be used as the key indicator for the level of positivity of the headline and passage.
- Then we used sentiment analysis generator, headlines can and passage can be input into the generator to see the output with a level of positivity.



Fig 1: Positive News Website Home Page

# Citations

- Nathaniel, (2012), A boost of positive affect: The perks of sharing positive experiences <a href="https://journals.sagepub.com/doi/full/10.1177/02654075124">https://journals.sagepub.com/doi/full/10.1177/02654075124</a>
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- 2. Johnston WM, Davey GC. 1997. The psychological impact of negative TV news bulletins: the catastrophizing of personal worries. Br J Psychol. 88 (Pt 1):85–91. doi:10.1111/j.2044-8295.1997.tb02622.x.

### Method

- First, literature research about psychological impact of negative news was conducted.
- Based on the literature and scientific paper, lab papers were written
- Then, a sentiment analysis generator was found to filter out the positive news from various news websites
- The website was built by using google website builder
- The news filtered out by the sentiment analyzer were put into six categories of news in the website.
- Videos were added to each categories to increase user's interest.
- News were updated manually to each categories.

# Test with your own text This is the best sentiment analysis tool ever!!! Results TAG Positive Positive Positive MonkeyLearn Classify Text

Figure 2: Sentiment Analyzer of news by MonkeyLearn Program

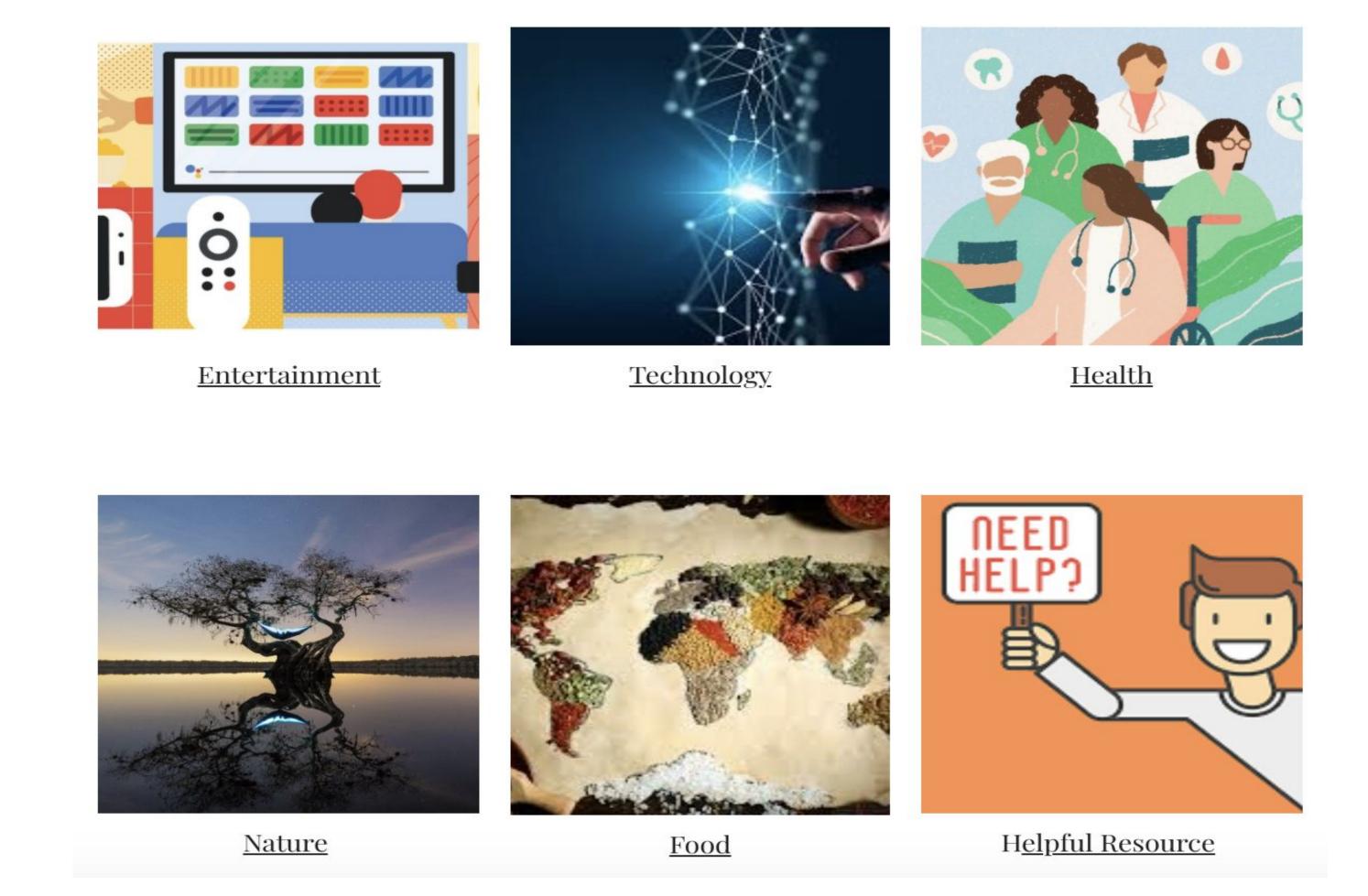


Figure 3: Positive News Website categories - entertainment, technology, health, nature, food, and helpful resources

# edition.cnn.com

10 Traditional Mexican



The world's 50 best foods

10 Traditional Mexica Recipes

How to make Stanley Tucci's classic Milanese risotto

Figure 4: Categories of Food showing related positive articles and videos about Food

Food

# Result

- Website has 6 categories entertainment, technology, health, nature, food, and helpful resources.
- In each category, there are positive news that are verified through sentiment analysis and this news can specifically alleviate the negative mood by increasing the positive insight while reading the articles.
- This website not only has positive news but also has entertaining videos that make people easily accessible to this website and have fun this specifically make our platform more competitive and productive than others platform.
- Website Link: <a href="https://sites.google.com/view/positive-news-sci250/home">https://sites.google.com/view/positive-news-sci250/home</a>

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### Conclusion

Our group has accomplished our Grand Challenge, "How to alleviate the negative mood like depression and anxiety" by giving positive insight in people. This real positive news website platform will be easily accessible to people and therefore can be practically used to cure people's mental health today. We are excited to publish our news website!