

How the World Views Itself?

Presented by
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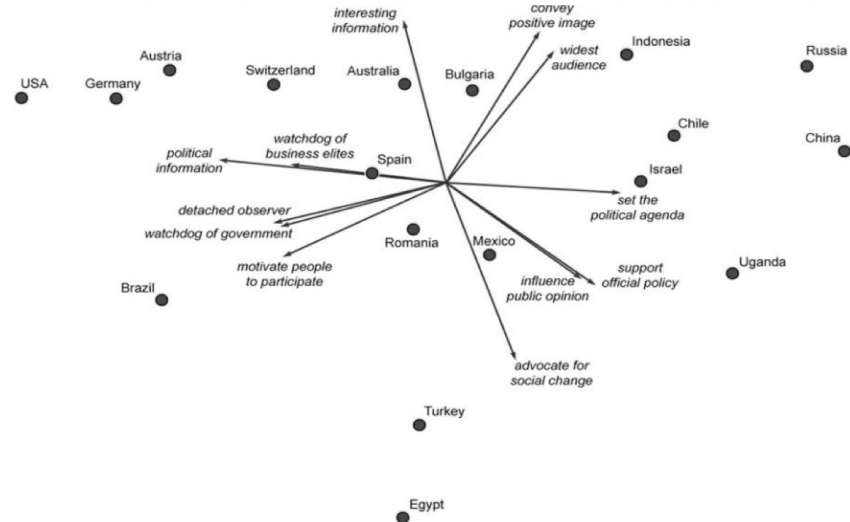
The background features a series of overlapping, angular shapes in various shades of green and teal. A large, dark teal shape forms a wide, shallow 'V' or mountain-like silhouette across the top. Below this, a lighter green shape extends to the right. The central area is dominated by a large, solid teal shape. At the bottom, another dark teal shape mirrors the top one, creating a sense of depth and perspective.

1.

INTRODUCTION

Problem Overview

Diversity of positions of countries regarding issues



Problem Overview

Under-representation of
issues by English media

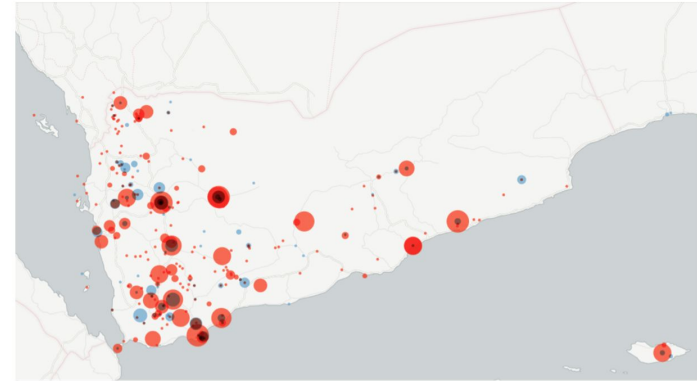


Figure 1 – Locations mentioned in global news coverage of
Yemen 2/19/2015 – 3/1/2015. (Blue = English news media,
Red = Non-English news media.)

Problem Overview

Extensive circulation of vernacular media

Newspaper	Country	Circulation (thousands)						
		2016	2013 ^[6]	2012	2011	2010	2009	2008
<i>Yomiuri Shimbun</i>	Japan		9,690	N/A	9,969	10,019	10,018	10,021
<i>Asahi Shimbun</i>	Japan		7,450	N/A	7,750	7,930	8,025	8,038
<i>Mainichi Shimbun</i>	Japan		3,322	N/A	3,438	3,551	3,771	3,857
								16,400
<i>The Times of India</i>	India	2,730,000	18,500	17,000	16,800	16,800	16,500	
<i>Dainik Jagran</i>	India		3,113	2,674	2,662	2,796	2,384	2,523
<i>Reference News</i>	China		3,073	N/A	2,450	2,591	2,701	2,751
<i>The Nikkei</i>	Japan		2,769	N/A	3,020	3,024	3,052	3,056
<i>Bild</i>	Germany		2,658	N/A	N/A	2,990	3,300	3,142
<i>People's Daily</i>	China		2,603	N/A	2,106	2,316	2,329	2,315
<i>Chunichi Shimbun</i>	Japan		2,533	N/A	N/A	N/A	2,728	2,761
<i>The Wall Street Journal</i>	United States		2,379	N/A	2,107	2,077	2,053	2,041
<i>Hindustan Dainik</i>	India		2,237	1844	1,868	1,699	1,300	1,036
<i>Malayala Manorama</i>	India		2,233	2130	2,048	1,903	1,760	1,700
<i>The Sun</i>	United Kingdom		2,172	2520	2,770	2,954	3,030	3,096
<i>Amar Ujala</i>	India		2,018	1644	1,480	1,459	938	1,344
<i>Guangzhou Daily</i>	China		1,880	N/A	1,280	1,402	1,480	1,529
<i>The New York Times</i>	United States		1,865	N/A	1,034	914	983	1,039
<i>Nanfang Daily</i>	China		1,853	N/A	N/A	N/A	N/A	850
<i>Eenadu</i>	India		1,801	1737	1,717	1,671	1,293	1,172
<i>Yangtse Evening Post</i>	China		1,790	N/A	N/A	N/A	N/A	1,483
<i>Sports Nippon</i>	Japan		1,770	N/A	N/A	N/A	N/A	1,800
<i>The Daily Mail</i>	United Kingdom		1,796	1921	2,044	2,107	2,169	2,246
<i>The Mail on Sunday</i>	United Kingdom		N/A	1798	1,981	1,970	2,056	2,203
<i>The Chosun Ilbo</i>	South Korea		1,757	1326	1353	1393	2,300	2,300
<i>Qianjiang Evening News</i>	China		1,750	N/A	980	1,004	1,002	1,002

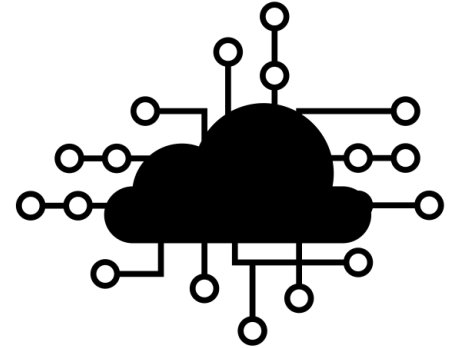
Motivation



Rise of globalization and
need for holistic overview



Accessibility of media



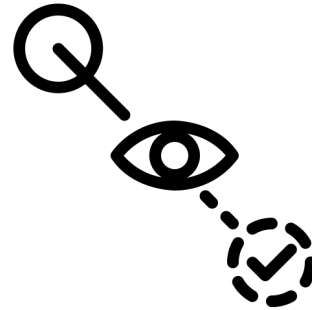
Technological
advancements

Objective

“Design a news translation and visualization application that collates articles from around the world for the average English news reader”



User-friendly



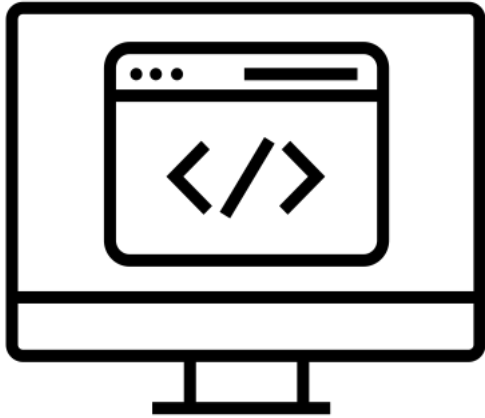
Easy to compare and
analyze

The background features a series of overlapping, angular shapes in various shades of green and teal. A large, dark teal shape forms a mountain-like peak at the top left. Below it, a lighter teal shape extends across the middle. At the bottom, another dark teal shape forms a base, with a light green shape visible on the right side. The overall effect is a modern, geometric landscape.

2.

IMPLEMENTATION

Application Features



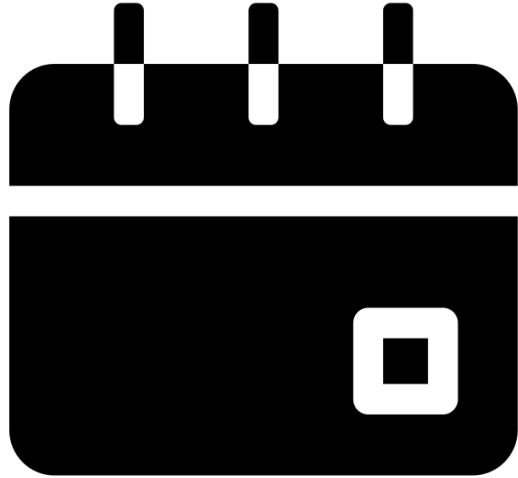
Web-Based

User enters Category,
Country, Query Term

Google News feed for
retrieval

APIs for Translation, NLP

Application Features



Today's News Mode

User enters Category,
Country

Displays news articles
from past 24 hours

Generates Word Cloud for
visualization

Application Features



Search Mode

User enters Country, Query
Term

Displays news articles
related to query

Generates Sentiment
Analysis for visualization

Tools



Back-end

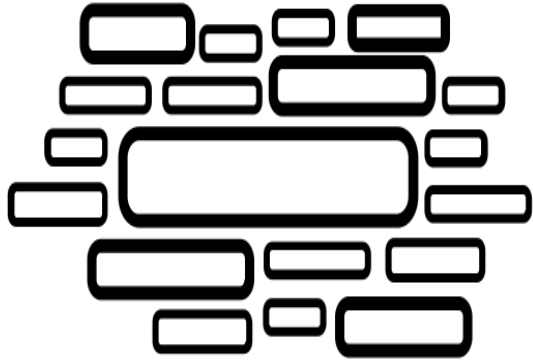


Middle-end



Front-end

Methodologies



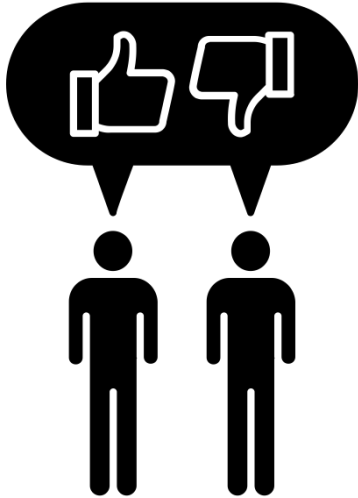
Word Cloud

Articles are tokenized,
lemmatized, stopwords
eliminated

Generates Word Cloud with
word size based on
frequency

Topics colour coded based
on exclusivity to country

Methodologies



Sentiment Analysis

Articles are tokenized,
lemmatized, stopwords
eliminated


Compound polarity scores
calculated for each article

Generates Sentiment
Analysis pie chart for each
country

The background consists of several overlapping geometric shapes. At the top, there's a dark teal triangle pointing downwards. Below it, a light green trapezoid extends to the right. The central part of the image is a large teal trapezoid. At the bottom, there's another dark teal triangle pointing upwards, and a light green trapezoid extending to the left. The overall effect is a modern, abstract landscape.

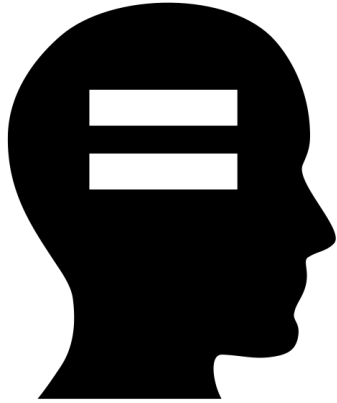
3.

DEMONSTRATION



4. CONCLUSION

Significance



Obtain unbiased perception
of issues without any
language barrier

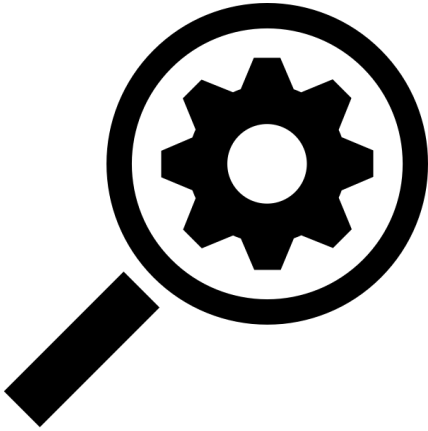


International participation
to resolve issues

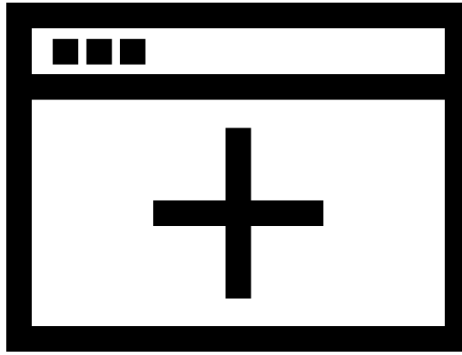


Visualize trends and
sentiment contributing to
stronger public opinion

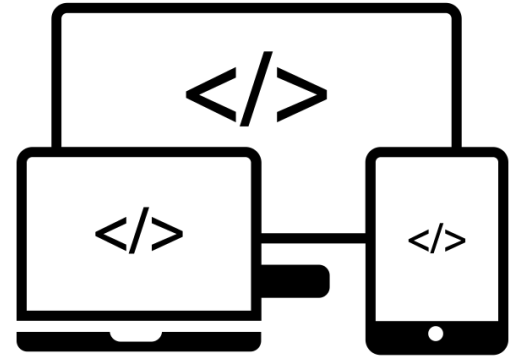
Future Scope



Advanced search capabilities



Addition of categories and languages



Extension of compatibility to other platforms

The background is an abstract composition of overlapping geometric shapes. A large, solid teal shape occupies the center. Above and below this teal shape are lime green areas. Within these green areas, there are darker teal shapes that create a layered, mountain-like effect. The overall style is modern and minimalist.

THANK YOU!

The background is an abstract composition of overlapping geometric shapes. A large, dark teal triangle points downwards from the top left. A lighter teal shape, resembling a wide trapezoid or a shallow triangle, is positioned in the center. Below this, another dark teal shape points upwards towards the bottom right. The remaining areas are filled with a vibrant lime green color. The overall effect is a modern, minimalist landscape or architectural design.

Q&A