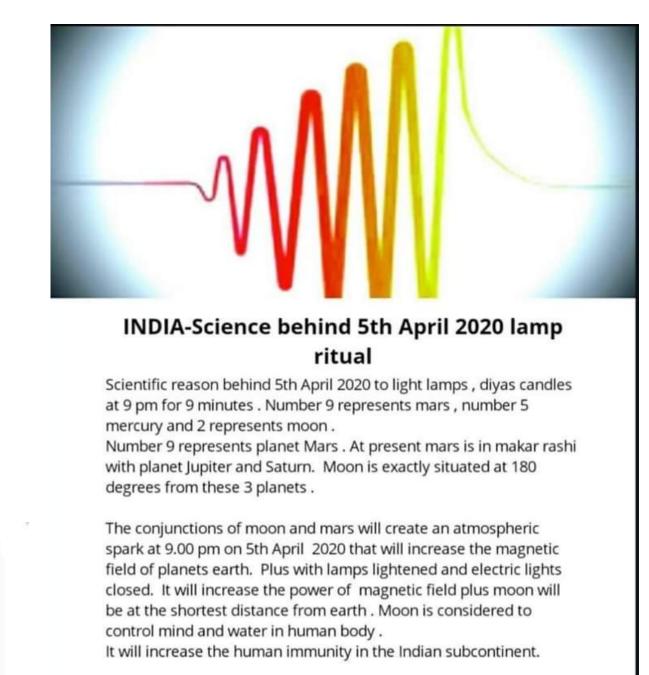




Studies

ase





it will produce oxygen from lamps though in small quantities from

lamps imagine the oxygen level in environment plus the magnetic

field will use this oxygen reduce the impact of corona virus from atmosphere and help in respiratory immunity of human body and

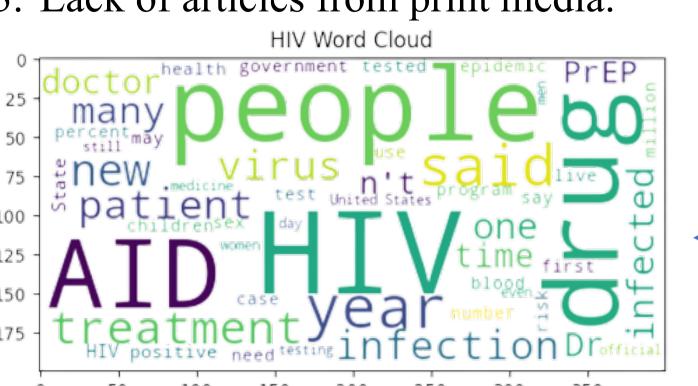
This combination of moon and mars help nature's fight against

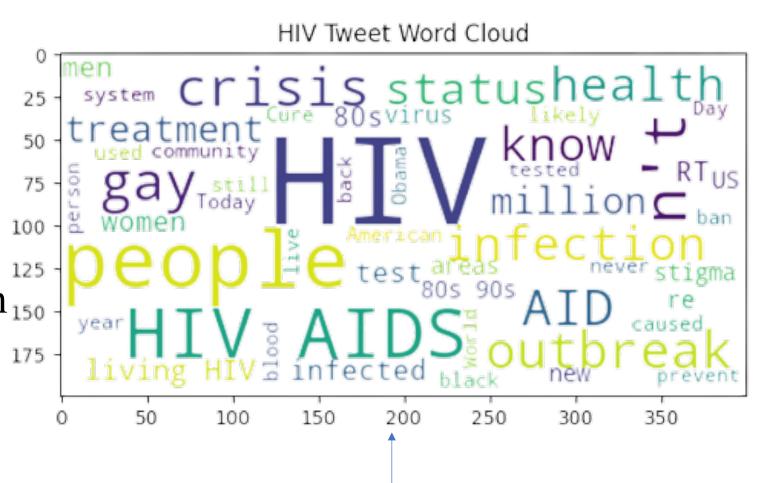
pandemic covid 19

each lamp but if we consider 50 percent of Indian population lighting

# Motivations

- 1. Widespread misinformation during the COVID-19 pandemic.
- 2. A lack of data from previous global health<sub>150</sub> events.
- 3. Lack of articles from print media.

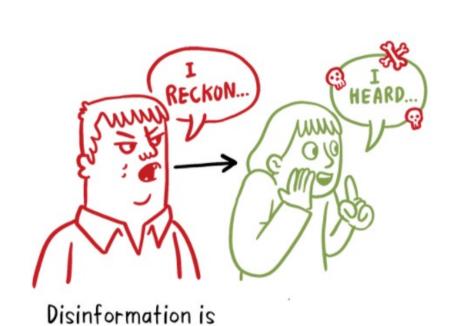




Linguistic Differences between information and misinformation

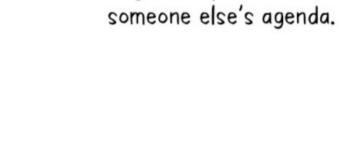


still dangerous.



dangerous, plus it serves



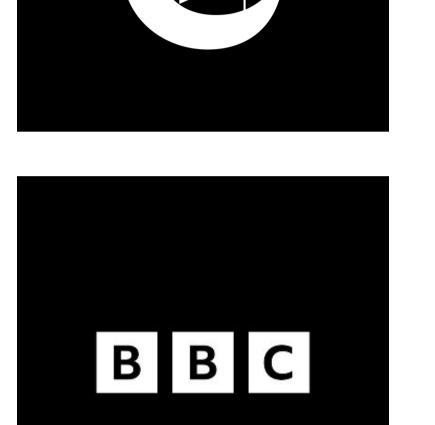


Misinformation - Might be a lack of intent – e.g., spread from social media for concern. – still harmful. – can cause widespread effects.



Has a presence of intent – caused due to someone else's agenda. Almost always has a harmful side effect(s)





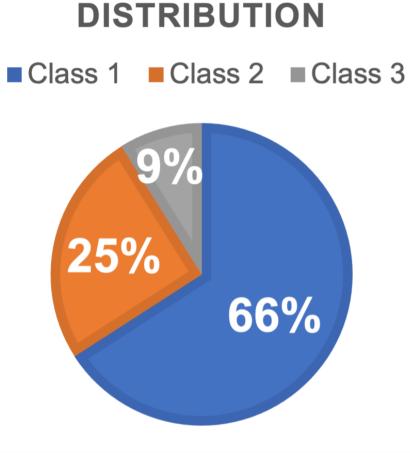






- 1. 3 Million articles from 8 different sources
- 2. Mix of print media, social media, online media and health centers.
- 3. Articles from 1900 to 2021
- 4. Average of 330 words and 6800 characters

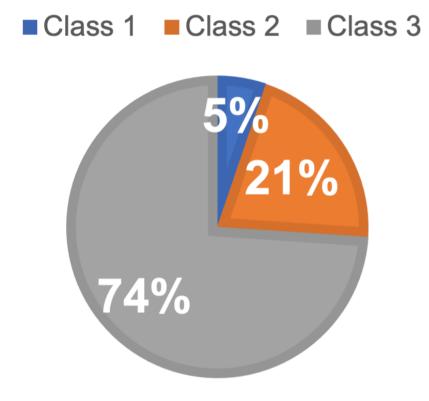
# **SOCIAL MEDIA ANNOTATION**



Description	Class
Personal opinions, known misinforma- tion, or information unverified during fact-checking	1
Information verified by < 5 sources	
Known facts, or information supported by $\geq 5$ sources	3

-NRCScores

#### **NEWS ANNOTATION DISTRIBUTION**



Description	Class
Known misinformation, or information unverified during fact-checking	1
Information verified by < 4 sources	2
Known facts, or information supported by $\geq 4$ sources	3

Number of Negative Words

in NRC Emolex

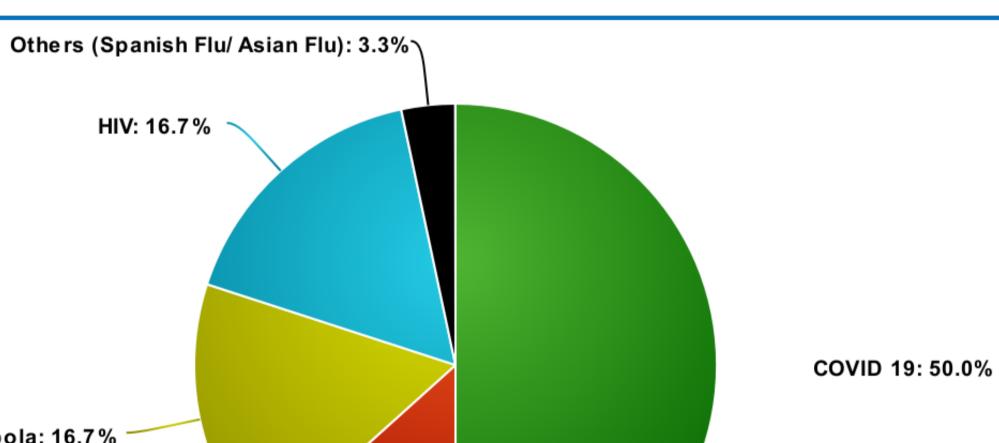
 $\kappa = 0.81$ 

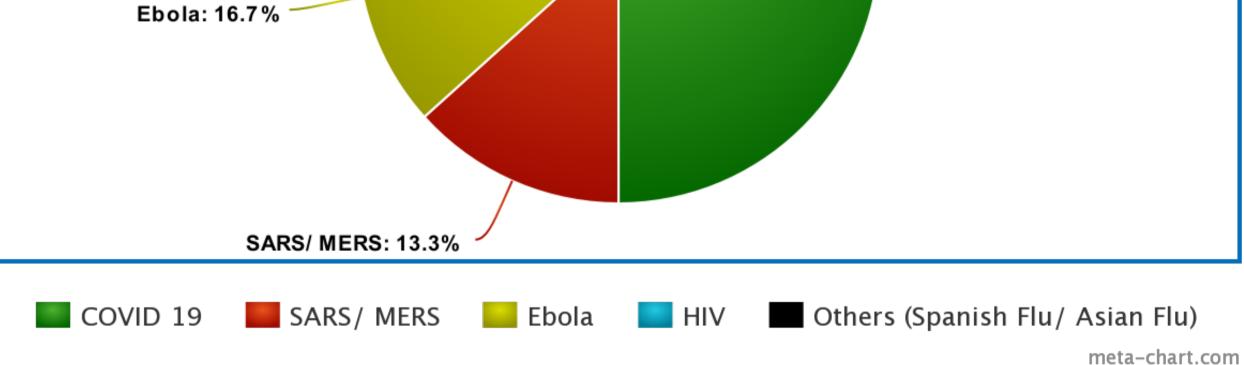
Feature	Description
Trust Score	Number of Words in NRCLexicon under trust
Readability Index	$RI = 4.71 \frac{c}{w} + 0.5 \frac{w}{s} - 21.43$
Ease of Reading	ER = $206.835 - 1.015 \frac{w}{s} - 84.6 \frac{l}{w}$
Difficult Words	$N(w) \forall w \in TextStat Easy$ words or w has $\geq 2$ syllables
+NRC Scores	Number of Positive Words in NRC Word Emolex

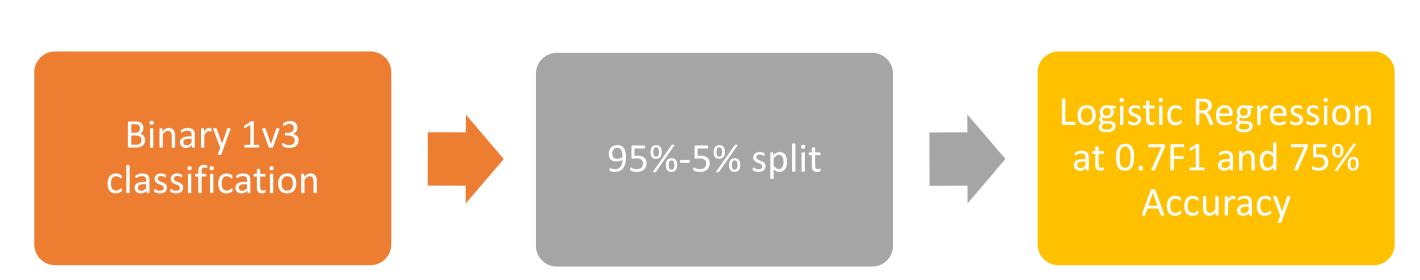
## **Our Data in Statistics**

HIV: 16.7%

Data and Disease Distribution







- First work to establish misinformation dataset spanning all major health events.
- 2. In depth analysis shows recurring themes and features across misinformation and fact.
- 3. Can be used to train NLG systems for future fine grained misinformation detection systems.

### **Future Directions**