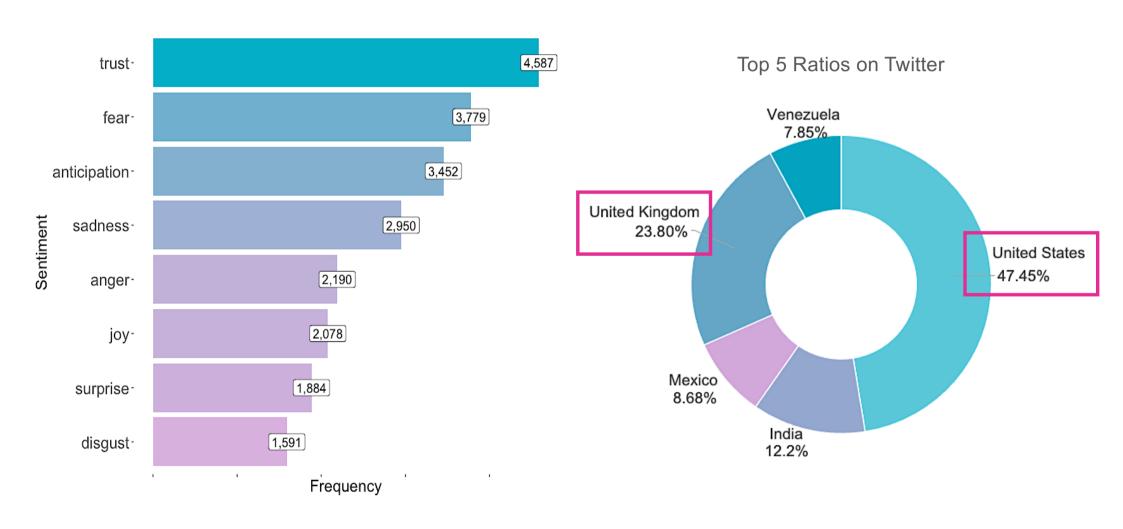


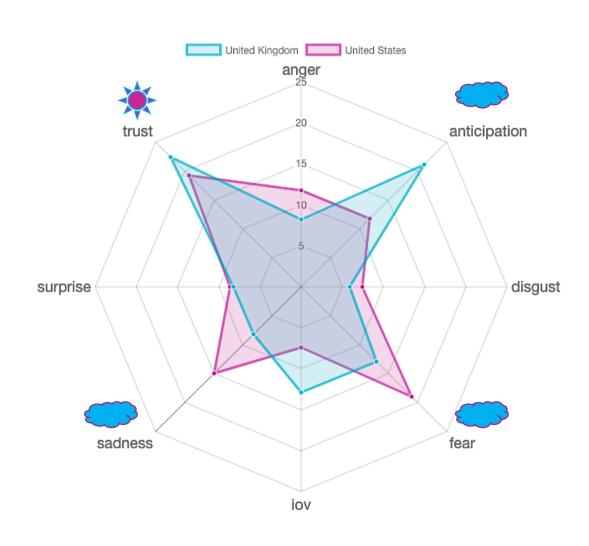


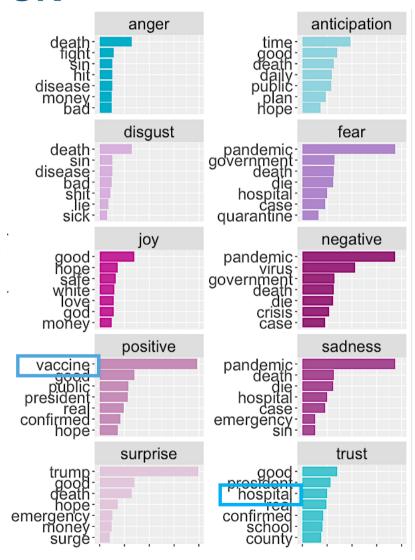
Global Mood Pattern Captured by Twitter





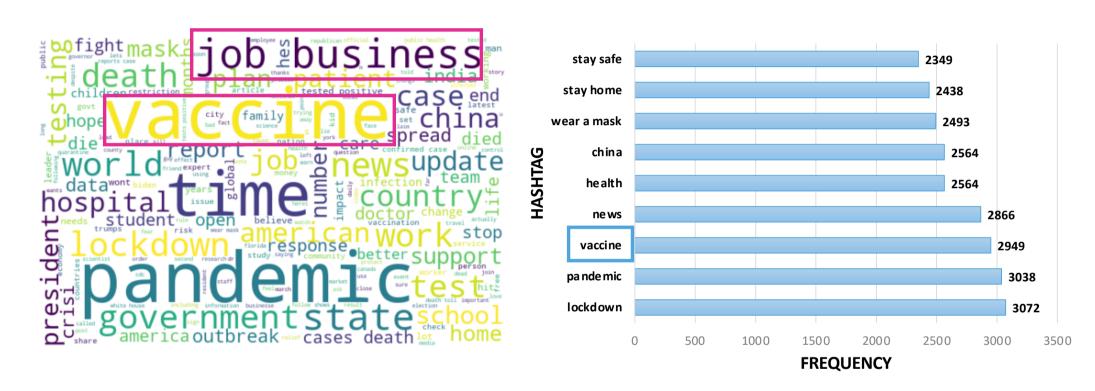
Twitter Sentiment in the US and UK







General Concerns from WordCloud and Hashtags



❖ Vaccine, job, and business are frequently discussed during the outbreak



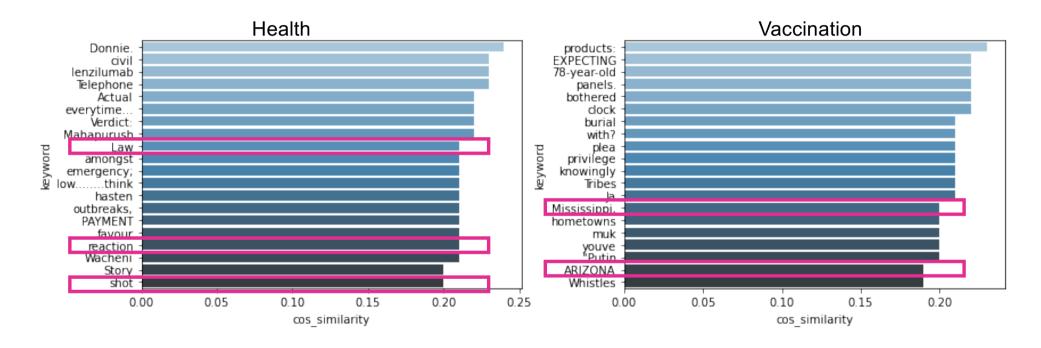
Topic Modeling on English Tweets

Topic 0	Topic 1	Topic 2
million people restrictions news mask wearing global times love	latest just people check updates thats live really news like	positiveschool public stop rates health test tests fuck tested
Topic 3	Topic 4	Topic 5
vaccination Cases like vaccine vaccines million people death	test trying patients positive cases outbreak community stay home people	like people good thank just lets thought house open white
Topic 6	Topic 7	Topic 8
help fight relief money workers know support work need	health Cases total confirmed people deaths reported testing update vaccine	shut response time thing dead cases course theyre doing americans

- Concern and anxiety about pandemic
- Heated discussion on vaccines
- * Restrictions on study and work
- Need of financial and mental support



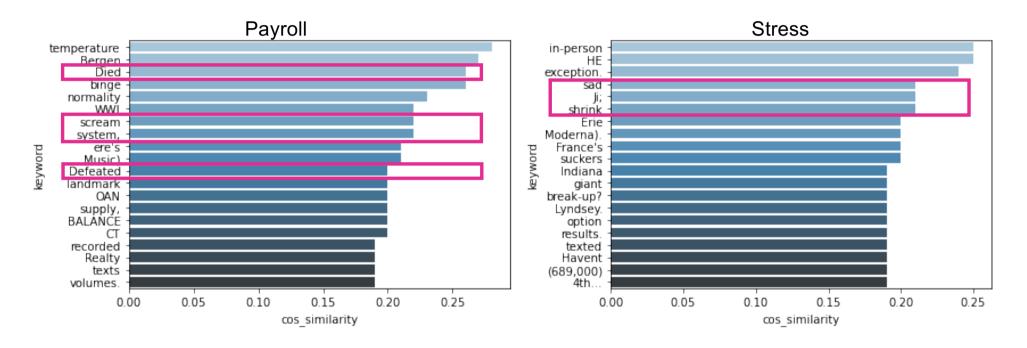
Keywords Deep Dive on Pandemic Healthcare Topics



- Law: State legislations on mask-mandate & employee vaccine mandate
- Reaction: Users react to laws/incentives, like mask-mandate or vaccine reward



Keywords Deep Dive on Financial and Mental Needs



- Payroll: "Died", "Defeated", "scream", and "system" are associated with individual and corporate financial conundrums. Hard to continue payroll.
- Stress: Negative Feelings and "shrink" in economics.



Keywords Deep Dive on Work Restrictions



Working from home seems to generate "pleasing" sentiments compared with working in offices. People associate offices as cages.



Business Applications



Health Monitor System

- Health condition monitor
- Vaccine record update
- Policy announcements



Online Workspace

- Collaboration platform
- Daily work schedules
- Payroll & tax calculation

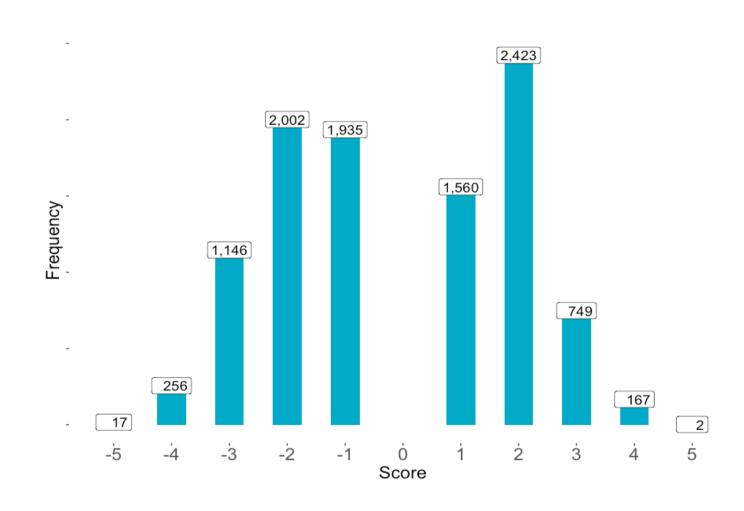


Wellness Program

- Emotional support
- Financial relief programs
- Online counselling

Y

Appendix I: Overall Sentiment Intensity



Maria Appendix II: Word2vec

