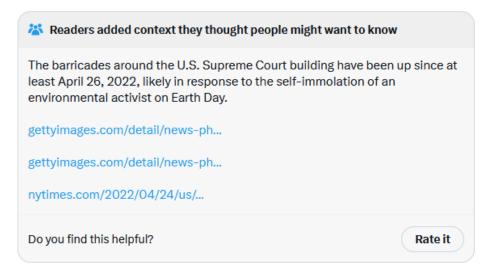
# **Task 2: Procedures Used for Labelling Tweets**

### My Definition of Misinformation

- Misinformation is false or inaccurate information, including:
  - Events that did not happen
  - Things that do not exist
  - Untrue or misleading details on real events, occurrences or interactions (i.e., false information on the 5 W's and H: Who, What, When, Where, Why, How). This includes:
    - Content that misinforms on who was involved in an event/interaction, what happened, and when it happened
    - Content that misleads people on the reasons behind occurrences/events (i.e., misleading "Why" something happened)
      - Example: <a href="https://twitter.com/i/web/status/1521296227291312133">https://twitter.com/i/web/status/1521296227291312133</a>
    - Content that misleads people on how something came to be
      - Example: https://twitter.com/i/web/status/1521328439759761408
    - Fake quotes attributing words to people's mouths that they did not say, or putting them in a misleading context
      - Example: https://twitter.com/i/web/status/1522330619618996225
    - Exaggerations on events and people's responses

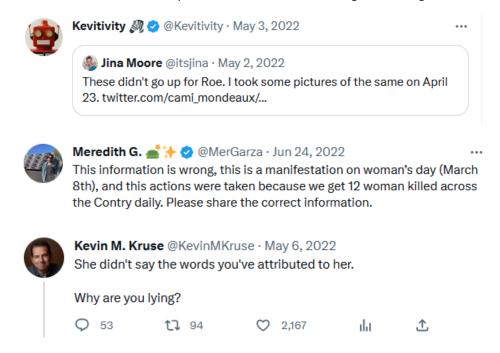
### How I identified misinformation in tweets:

- Do some of my own searching online on the subjects in the tweet
  - E.g., For the tweet regarding the <u>abortion protest in Mexico</u>, I found a Reuters Fact
    Check site that clarified the series of events: <a href="https://www.reuters.com/article/factcheck-mexico-photo-abortion-idUSL2N2WW2CW">https://www.reuters.com/article/factcheck-mexico-photo-abortion-idUSL2N2WW2CW</a>
- A pop-up under the tweet that says: "Readers added context they thought people might want to know"
  - o Example: https://twitter.com/i/web/status/1521296227291312133



Context is written by people who use Twitter, and appears when rated helpful by others. Find out more.

- Scan comments under the tweet for any comments pointing out misinformation. Use common sense and judgement on whether the comments may hold some truth
  - E.g., comments that provide facts (not opinion) that counter/challenge the info in the tweet, comments that point towards the tweet being misleading



## My Definitions of News vs. Opinion

I labelled tweets as "News" or "Opinion" based on the content of the tweets. If a tweet contained both fact and opinion in its content, I labelled it as opinion.

- News Definition:
  - Contains and informs purely on event facts. Event facts include:
    - Who, what, when where, why, how
    - Includes news about a person's response (e.g., a celebrity's statement on a topic (this could be the celebrity's opinion))
- Opinion Definition:
  - Contains any content beyond facts on things, events, and other people's actions/responses
    - Contains words such as "my thoughts", "my opinion", "I think/believe/feel", "should"
    - Contains sentiment or emotionally loaded words (e.g. "heartbroken", "ravages")
    - Note: Opinion tweets are about the tweeter's own thoughts and beliefs

A different way to label tweets as "news" or "opinion" is by the intended purpose of the tweet. If the tweet's purpose is to share information/keep people informed, then it is labelled as "news". If the tweet's purpose is to share the tweeter's opinion and/or influence the opinion of others, then it is

labelled as "opinion." However, I chose to define "news" and "opinion" based on the content of the tweet as it may be more objective and also easier to program.

# How I labelled Tweets as Breaking news vs Normal news

- Breaking News
  - Look for the words "Breaking" or "Breaking News" at the beginning of the tweet
  - Look at the tweet's time stamp and see how close it is to the time of the event
    - If the tweet was posted on the same day within a couple of hours of the event's occurrence, I considered it as "Breaking News"
- Normal News
  - o Anything that is not breaking news, I labelled as Normal News
- If the tweet is labelled as "Opinion", I put "N/A" under the "Breaking News" and "Normal News" columns

## How I labelled Tweets as Pro-life vs Pro-choice

- Pro-life
  - Against abortion
- Pro-choice
  - Supports abortion
- If the tweet is labelled as "News", I put "N/A" under the "Pro-life" and "Pro-choice" columns

# **Cropped Excel Version of Labelled Dataset:**

4	A	В	С	D	E	F	G
1	TweetID	is_misinfo	category	Breaking News	Normal News	Pro-life	Pro-Choice
2	1540348242960846849	No	News	Yes	No	N/A	N/A
3	1540345715616006148	No	Opinion	N/A	N/A	No	Yes
4	1540341761658085376	No	News	Yes	No	N/A	N/A
5	1540338100521603074	No	Opinion	N/A	N/A	Yes	No
6	1521296227291312133	Yes	News	Yes	No	N/A	N/A
7	1540343622486327296	No	Opinion	N/A	N/A	Yes	No
	1521328439759761408	Yes	News	No	Yes	N/A	N/A
8							
9	1540337296473526272	No	News	Yes	No	N/A	N/A
	1540405941094326272	No	News	Yes	No	N/A	N/A
10	4500000540540005005	Yes	Oninian	N/A	N/A	Yes	No
	1522330619618996225	res	Opinion	N/A	N/A	res	NO
11							