

Selective Sympathy?

Media Coverage, Public Opinion, and Mobilization in the Gaza War

Ala Alrababah, William Marble, Salma Mousa, Alexandra
Siegel, and Michelle Torres

July 17, 2025



DISCLAIMER



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- Not your traditional bulletproof Polmeth paper



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- Early draft with TONS of imperfections



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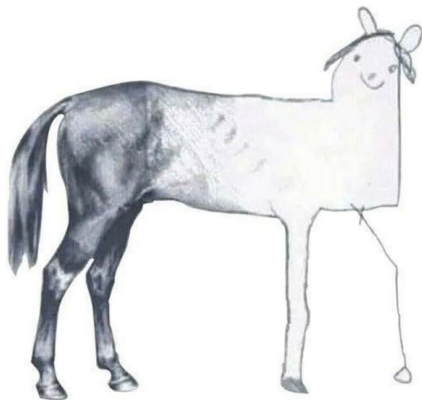


- Not your traditional bulletproof Polmeth paper
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- Not the case that we started working 2 weeks before the deadline
- But rather a series of unfortunate events and roadblocks...

VISUAL REPRESENTATION OF THIS PROJECT (SO FAR)

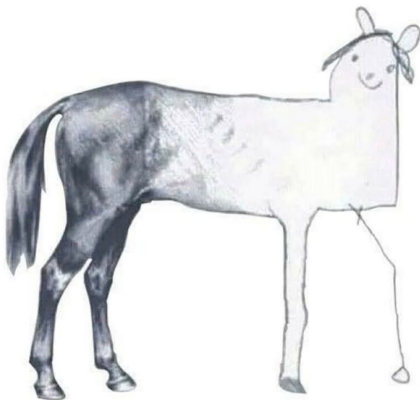
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(and overview of this talk)



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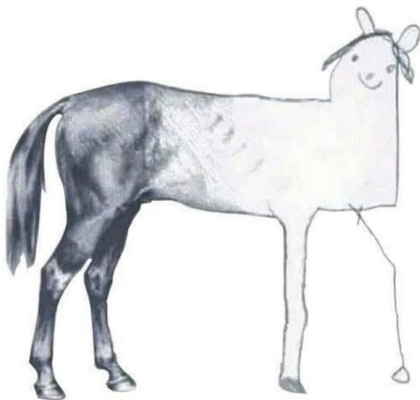
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Takeaway: we are looking for any and all types of feedback!

VISUAL REPRESENTATION OF THIS PROJECT (SO FAR)

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Takeaway: we are looking for any and all types of feedback!
Now back to **serious** business.

REAL ROADMAP

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- 1 Motivation and research questions
- 2 Original empirical approach
- 3 Challenges and roadblocks
 - Tagging and classification
 - Interpretation of quantities of interest
- 4 What we did
 - Methodological decisions
 - Results


MOTIVATION

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Event: On April 13, 2025, with less than a thirty-minute evacuation warning, Israel dropped two bombs on Gaza City's al-Ahli Arab Hospital, killing at least one child.

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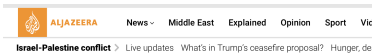
News | [Israel-Palestine conflict](#)

Israeli forces bomb al-Ahli Hospital in Gaza, forcing patients to flee

The missile destroyed parts of the hospital, including its emergency department.

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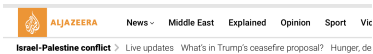
FRANCE AFRICA MIDDLE EAST AMERICAS EUROPE ASIA-PACIFIC

WHO says child dies after Israel strike hits Gaza hospital

Gaza City (Palestinian Territories) (AFP) - An Israeli air strike Sunday hit one of Gaza's few functioning hospitals, resulting in the death of a child according to the World Health Organization, as Israel warned it would expand its offensive if Hamas does not release hostages.

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Israeli air strike destroys part of last fully functional hospital in Gaza City

13 April 2025

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Israel Strikes Hospital in Gaza's North and Captures Key Part of South

No one was killed but the attack hit the Ahli Arab Hospital, a mainstay of Gaza's decimated health care system. Separately, Israel said its troops had expanded their occupation of southern Gaza.

MOTIVATION, CONT.

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Karl Hansen @karl_th · 2h
Israelis have "children", while Palestinians have "people aged 18 and younger".

The hostages to be freed are women and children, and the Palestinian prisoners are also women and people aged 18 and younger, both sides have confirmed.



Guardian news @guardianne_ · 14h
Israel-Hamas ceasefire and hostage deal won't happen before Friday, Israeli and US officials say dvr.it/SzBx77

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BSC News: "The Houthis have claimed - often falsely - that they are targeting ships only linked to Israel, the US or the UK."

Funny how "have claimed - often falsely" is never applied to Israeli army spokespersons. [@mofalans](#) [@asafatahvil](#)



Yemeni militia killed in attack on cargo ship in Red Sea

From [fides.italy.it](#)

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From @the_iraqi



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Jonathan Peck / Opinion

What lessons can we learn from the Gaza hospital blast? - editorial

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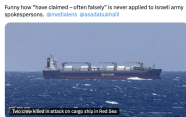


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Haaretz.com @haaretzcom · 9h
Israel recently committed the **largest child massacre in its history**. The numbers are not reported in the Israeli media, and if they are - it's always minimized | Opinion | Hanin Majidi



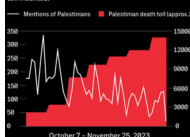
Distorted Media Coverage



Hamas version given more weight than Israeli narrative.

Disproportionate Coverage

Mentions of Palestinians declined as the death toll mounted.



Source: Reuters data

The Intercept

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Video shows man in military fatigues shooting mentally disabled Palestinian in West Bank

by @newscenter

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As Israel pounds Gaza, BBC journalists accuse broadcaster of bias

In the latest newsroom fallout over the war, BBC journalists say the corporation is failing to humanise Palestinians.



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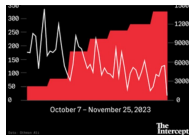


By Anealla Safdar

23 Nov 2023



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By [Name] for The Intercept
Published on November 2, 2023

MEDIA FRAMING CHOICES IN CONFLICT

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 - A very polarizing issue that might trigger different editorial processes
- War reporting is unique: taking empathy to the extreme, human-centered frames may dishearten and demobilize

How do news organizations describe violent
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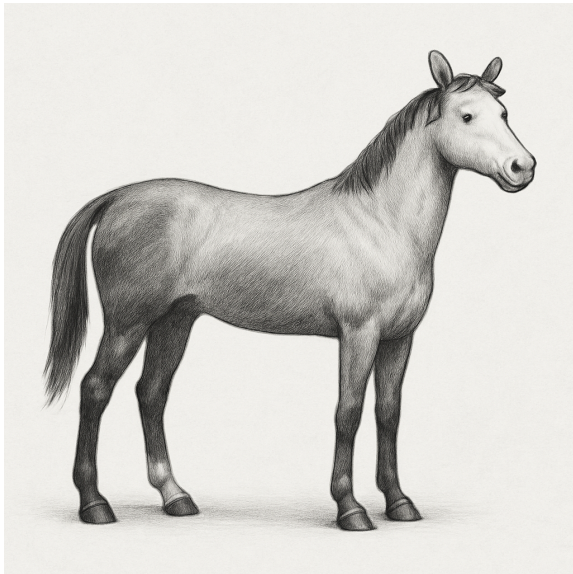
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- Analysis and comparison between groups
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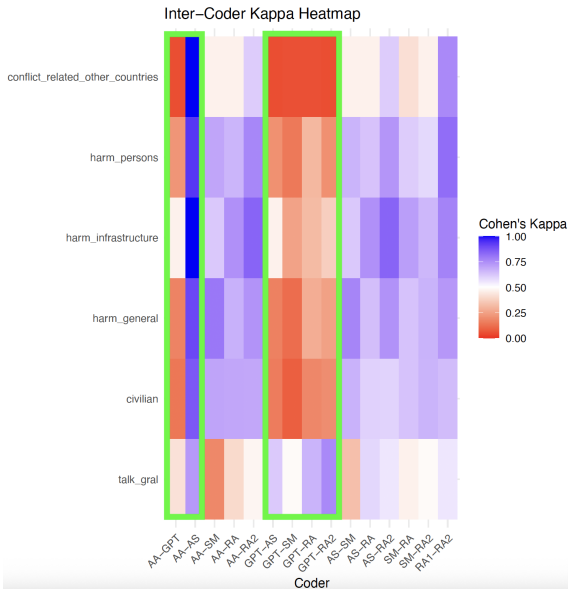
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 - Use codebook to prompt ChatGPT
- Results: Weak performance with all three, with ChatGPT being the best (but still not great)

INTER-CODER RELIABILITY



RELIABILITY COEFFICIENTS (MODIFIED PROMPT)

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- Reliance on “buzzwords”:
Palestine, Israel, son,
terrorist

Reliability coefficients and interpretation
(Civilian)

Metric	Value	Interpretation
Percent Agreement	61.5%	Fair
Cohen's Kappa	0.388	Fair
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- Hard cases: e.g. “hostage”=
harm?

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- Differences in frames per group: how do we understand them?

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- Our preliminary quantitative and anecdotal results:

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 - Differences in mentions of civilians, harm, and other relevant dimensions

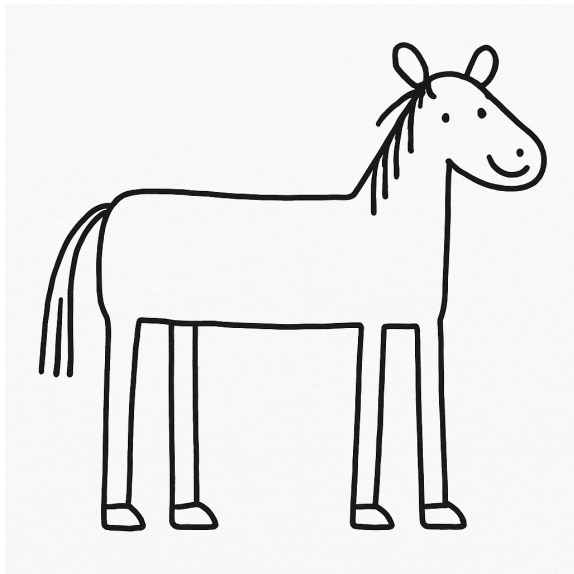
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- Differences in frames per group: how do we understand them?
- Our preliminary quantitative and anecdotal results:
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 - No sharp differences in other areas
 - How do we contextualize these findings? Reflection of reality or a framing strategy?

WHAT WE DID



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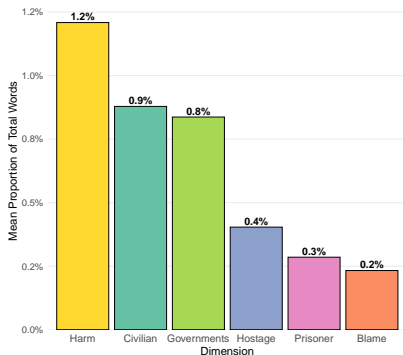
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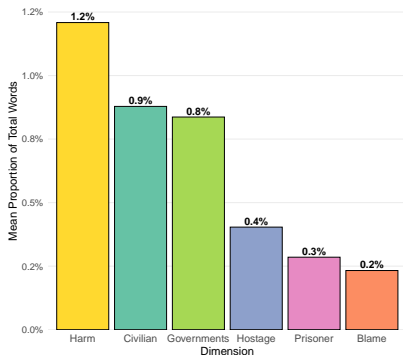
RESULTS: PREVALENCE OF FRAMES IN FULL CORPUS

Mean Proportion of Words by Dimension in Total Corpus
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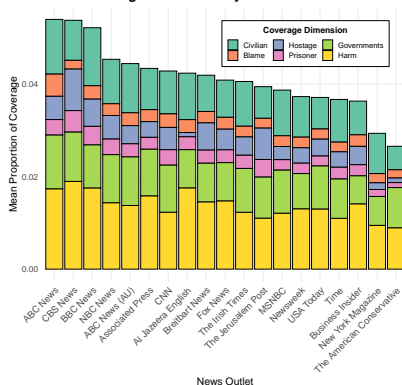


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Media Coverage Dimensions by Outlet



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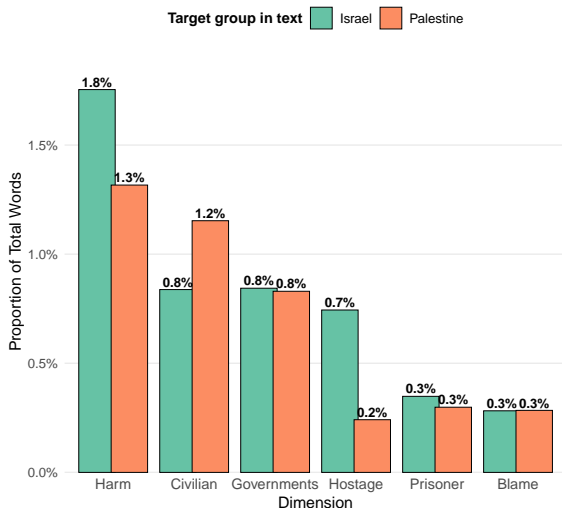
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- We repeated this exercise with a small hand-coded sample (~600 paragraphs): results are stronger

RESULTS: PREVALENCE OF FRAMES BY GROUP

Proportion of Words by Dimension and Group

(Conflict=Israel-Palestine)



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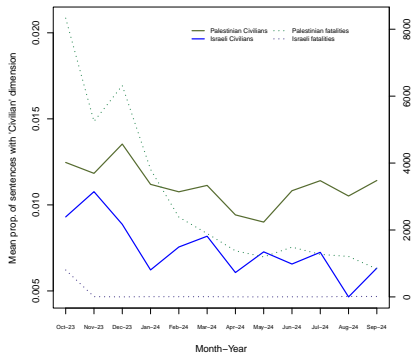
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- Expectation: correspondence of ratios.

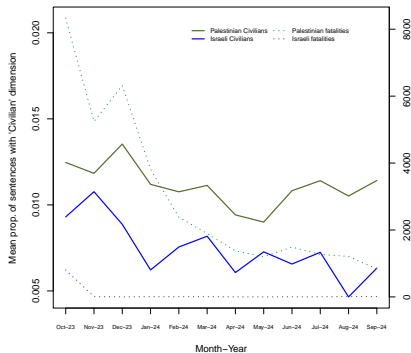
RESULTS: FRAMING AND FATALITIES

Coverage of civilians over time and civilian fatalities

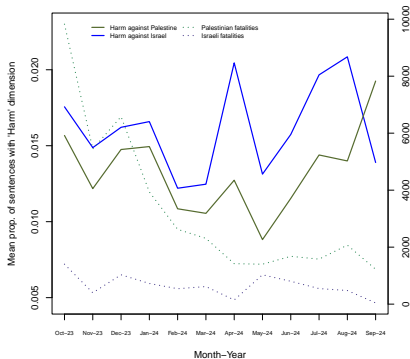


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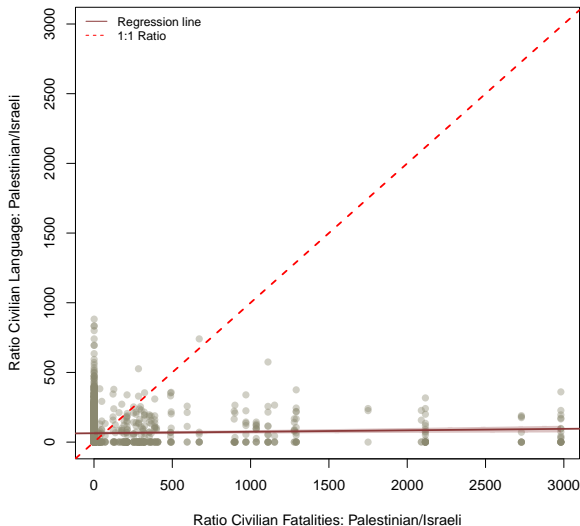
Coverage of civilians over time and civilian fatalities



Coverage of harm over time and total fatalities



RESULTS: FRAMING AND FATALITIES, CONT.



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- Complement data with other important sources like NYT, WaPo, and The Guardian
- Experiment testing humanizing frames on attitudes and mobilization

Thank you!

Questions/feedback: smtorres@ucla.edu

APPENDIX

INDEX

- Theoretical Framework
- Content analysis
 - Data collection
 - News outlets included
 - Classification workflow
 - War words
 - Data on Casualties
 - Comparison with Ukraine and Russia
- Survey Experiment
 - Survey overview
 - Goals
 - Preference-Incorporating Choice and Assignment: Motivation and Procedure
 - Example
 - Forced choice
 - Outcomes: Outgroup attitudes, Policy views, Emotions & Mobilization

DESCRIBING MEDIA FRAMES

- News outlets highlight some aspects of events while omitting others (Druckman, 2004)
- “Human-centered frames” trigger strong emotions and moral outrage – potentially at the expense of broader context (Iyengar, 1991; Kampf and Liebes, 2013)
- Sympathetic portrayals more likely for white, Western victims (Myers, Klak and Koehl, 1996)
- We estimate prevalence of human-centered frames of Palestinians and Israelis in the the Gaza conflict

EFFECTS OF MEDIA FRAMES

How does human-centered framing influence news consumption and attitudes?

- Coverage incongruent w/ prior views → cognitive dissonance → avoidance (Stroud, 2008)
- Coverage congruent w/ prior views → helplessness → avoidance (Slovic, 2007; Eisenberg et al., 1989; Cameron and Payne, 2011)
- Among uncommitted people, human-centered frames may be especially effective in shifting attitudes

DATA COLLECTION

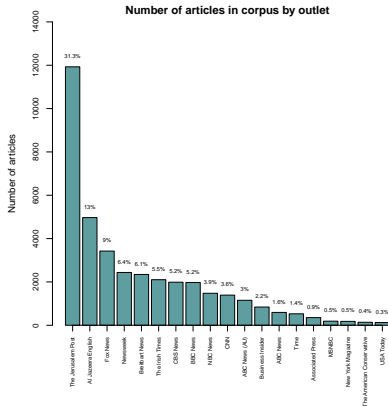
- 1 Query the NewsAPI to obtain the list of articles of 19 news outlets (`outlets`) using the search terms: "Gaza", "Palestine", "Palestinian", and "Israel" (separated by OR) → $n = 47,375$ articles
- 2 Collect title, source, date of publication, author, description, URL of the top image, and URL of main article.
- 3 Scrape from each link the main text and images (using `newspaper3k`) → $n = 42,055$ articles (losses due to pay walls and faulty URLs)
- 4 Clean-up the text: remove ad-related content, slogans, social media accounts, symbols, etc. → Still not perfect

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NEWS OUTLETS INCLUDED

- ABC News
- ABC News Australia
- Al Jazeera (English)
- Associated Press
- BBC News
- Breitbart News
- Business Insider
- CBS News
- CNN
- Fox News
- MSNBC
- NBC News
- New York Magazine
- Newsweek
- The American Conservative
- The Irish Times
- The Jerusalem Post
- Time
- USA Today

Table index



CLASSIFICATION WORKFLOW

- Collect news articles
- Dictionary of “war” terms to detect articles related to the actual conflict and not adjacent events (e.g. protests or foreign policy of other nations)
→ Keep only those related to war $n = 38,146$ articles
- Split the articles into 5-sentence paragraphs/chunks of text (sentence defined by period or line break)
- Determine the target of each paragraph
- Determine whether each of the frames of interest are present in the text

Table index

WORDS RELATED TO WAR

Positive

war	conflict	invasion	attack	military	combat	battle
strike	bomb	missile	troops	forces	army	navy
airforce	soldier	fighting	violence	aggression	assault	Palestine
raid	siege	occupation	border clash	skirmish	hostilities	offensive
hostages	hostage	invasion	Israel	Gaza		

Negative

protest	statement	campus	actress	sport	actor
summit	cultural exchange	economic	scientific	entertainment	

[Table index](#)

CODEBOOK: TALK GENERAL

Mark the column based on whether the paragraph includes any mention of Israelis or Palestinians in general. This encompasses all references to Israelis or Israel, Palestinians or Palestine occurring inside Israel or Palestine, including general mentions, militant groups (e.g., IDF, Hamas), the word “terrorist,” government bodies (e.g., the Israeli Government, the PLO), government actions, and civilians. Also includes any groups generally associated with Israel within the region (Israel and Palestine).

Notes: Do not mark if the paragraph only mentions groups or organizations abroad; such mentions should be coded in `conflict_related_other_countries`. If any Israeli-specific or Palestinian-specific columns are marked (1, 2, or 3), then this column should also be marked (unless the paragraph is solely about events abroad or complex minority populations). Mark '0' if there is no mention of Israelis, Israel, Palestine, or Palestinians as per the above criteria.

CODEBOOK: CIVILIAN

Mark if the paragraph specifically mentions civilians-non-military, non-government individuals-who are Israeli, Palestinian, or both, including their lives, experiences, or victimization.

Example:

- 0: "The attack targeted military installations."
- 1: "Palestinian civilians in Gaza are suffering due to the blockade."
- 2: "Israeli civilians were injured in the rocket strike."
- 3: "The conflict has caused immense suffering for both Palestinian and Israeli civilians."

Notes: Include references to civilians killed, injured, displaced, hostages, prisoners, refugees, or displaced persons. Soldiers described using civilian language (e.g., "kids," "sons," "daughters") should also be coded here.

CODEBOOK: HARM GENERAL

Mark if the paragraph mentions harm, suffering, or negative consequences experienced by Israelis, Palestinians, or both (physical, psychological, property destruction, displacement, hardships, etc).

Example:

- 0: "There were no reports of casualties or damage."
- 1: "Palestinians face water shortages due to damaged infrastructure in Gaza."
- 2: "Psychological trauma from repeated rocket attacks has left many Israelis unable to sleep."
- 3: "Both Israeli and Palestinian communities are grieving after the recent escalation."

Notes: Include current, historical, or potential harm. Mentions of harm without specifying a perpetrator should still be coded. If `harm_infrastructure` or `harm_persons` is not zero, then this column should also not be zero. Harm does not need to originate from the Israeli-Palestinian conflict itself.

CODEBOOK: HARM – INFRASTRUCTURE

Mark if the paragraph mentions harm, destruction, or damage to property or infrastructure affecting Israelis, Palestinians, or both.

Example:

- 0: "The airstrike hit an open field without damaging any buildings."
- 1: "The water treatment plant in Gaza was destroyed."
- 2: "Israeli schools were damaged by rocket attack."
- 3: "Homes on both sides were destroyed during the crossfire."

CODEBOOK: HARM – PEOPLE

Mark if the paragraph mentions harm, injury, or suffering of specific individuals or groups (Israeli, Palestinian, or both).

Example:

- 0: “No casualties were reported, and all individuals were unharmed.”
- 1: “Dozens of Palestinians were injured during the raid.”
- 2: “Israeli children are traumatized by constant air sirens.”
- 3: “Both Palestinians and Israelis are suffering from psychological effects of the violence.”

Notes: Includes displacement, trauma, genocide references, or any suffering. Harm can be caused by external actors.

CODEBOOK: BLAME ATTRIBUTION

Mark if the paragraph attributes responsibility for harm, suffering, or negative consequences to Israelis, Palestinians, or both.

Example:

- 0: "Civilians on both sides continue to suffer." (No blame assigned)
- 1: "Palestinian militants launched an attack on Israeli settlements."
- 2: "Israeli airstrikes caused widespread destruction in Gaza."
- 3: "Both Israel and Hamas have been accused of war crimes."

Notes: Include explicit or implicit blame (e.g., "The blockade has worsened the crisis" implies blame). Do not mark if harm is described without assigning responsibility.

CODEBOOK: CONFLICT RELATED TO OTHER COUNTRIES

Mark '1' if the paragraph discusses events related to the Israeli-Palestinian conflict occurring outside Israel/Palestine. This includes protests, incidents abroad, foreign leaders' statements, foreign nationals affected, etc.

Example:

- 1: "Pro-Palestinian protestors gathered in London."
- 1: "The U.S. Secretary of State called for a ceasefire."
- 1: "Anti-Semitic incidents increased in Europe."
- 1 & Other Columns: "A French diplomat described destruction in Gaza as unacceptable." (harm_general may also apply)

Notes: This column is not mutually exclusive. If the paragraph only discusses events abroad unrelated to Israelis/Palestinians in the region, mark only this column '1' and others '0'. Otherwise, mark additional relevant columns.

DATA ON CASUALTIES AND CIVILIAN FATALITIES

- Data from the Armed Conflict Location and Event Data Project (ACLED)
- ACLED provides granular, event-level data on attacks – including airstrikes, shelling, and armed clashes – and associated fatalities, disaggregated by date and type of target: Israeli, Palestinian, or Other, as well as Authorities/Government/Combatant or Civilians
- Data compiled from a wide range of local and international news sources, humanitarian reports, and partner organizations
- It includes data from the Ministry of Health of Gaza

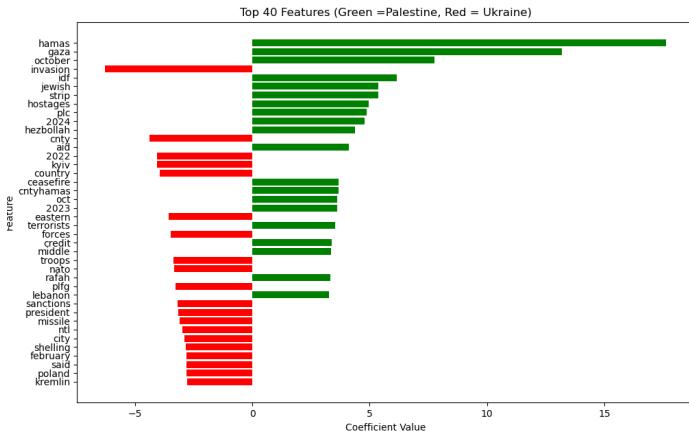
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COMPARISON ISRAEL/PALESTINE VS. RUSSIA/UKRAINE

- Masked cities, areas, countries, and top leaders
- Embedding analysis: Mapping of UMAP and TSNE Components, Top Features



COMPARISON ISRAEL/PALESTINE VS. RUSSIA/UKRAINE, CONT.



SURVEY OVERVIEW

- Goal: Examine how media framing choices of the Gaza war influence news consumption and subsequent attitudes
- Does humanizing coverage trigger avoidance? Among whom?
 - Can affirmations of ingroup suffering mitigate the effects of cognitive dissonance on avoidance?
 - Can empowering calls to action mitigate the effects of emotional exhaustion on avoidance?
- What is the effect of news coverage on attitudes, emotions, and mobilization?

ORIGINAL AND MODIFIED PLAN: SURVEY EXPERIMENT

Survey Experiment

- Survey experiment on U.S. public randomizing exposure to real-world news about the Gaza conflict
- Treatment: humanizing vs. de-humanizing frames (X)
- Hypothesize that humanizing coverage:
 - Triggers avoidance both for extreme sympathizers and extreme opponents
 - Most persuasive among 'neutrals', relative to geopolitical or infrastructure frames

PREFERENCE-INCORPORATING CHOICE AND ASSIGNMENT DESIGN

- **Design:** Preference-Incorporating Choice and Assignment
(Benedictis-Kessner et al., 2019)
- Combines self-selection and random assignment to estimate causal effects of news exposure while accounting for avoidance

PREFERENCE-INCORPORATING CHOICE AND ASSIGNMENT DESIGN, CONT.

- 1 Pre-treatment measure of sympathy toward Israelis/Palestinians
- 2 Headline task: Present three headlines with randomly assigned valence (favorable toward Palestinians vs. Israelis) and framing style
 - Human-centered frame
 - Geopolitical frame
 - Placebo headline
- 3 Ask respondents which story they would like to read
- 4 Randomly assign half of respondents to read self-selected story and other half to read one of the others, chosen randomly
- 5 Measure policy attitudes, empathy, emotions, and mobilization

EXAMPLE HEADLINE TASK

Please read the headlines of three news articles below. Which would you be most interested in reading?

- Dozens shot dead and injured near Gaza aid hub, health ministry and doctors say
- Hamas pushes back on the latest Gaza ceasefire proposal offered by the U.S.
- Heat waves are getting more dangerous with climate change – and we may still be underestimating them

Hypotheses

- 1 (Avoidance of incongruent articles) Respondents are less likely to select headlines that are incongruent with pre-existing sympathies
- 2 (Avoidance of humanizing articles) For those with strong prior sympathies, headlines highlighting suffering are especially likely to trigger avoidance
 - Congruent coverage: sympathy fatigue
 - Incongruent coverage: cognitive dissonance

FORCED EXPOSURE

To measure effects of consuming media while accounting for selection bias, we then randomize the articles respondents are asked to read

Enables estimation of:

- Observational differences between those who self-select different articles
- Treatment effects by strata of article selection and prior sympathy

OUTGROUP ATTITUDES

- Attitudes toward Israelis/Palestinians, Jews/Muslims
- Example items:
 - “All [X] are responsible for their group’s actions”
 - “When [Y] are violently attacked, it is because they deserve it.”
- Hypothesis: Humanizing frames reduce prejudice
- Hypothesis: Effects concentrated among ‘neutrals’

POLICY VIEWS

- Attitudes about:
 - Proportionality and justification of Israeli actions
 - U.S. military and humanitarian aid
- Hypotheses:
 - Human-cost frames → decrease support

Table index

EMOTION & MOBILIZATION

- Emotions: anger, sadness, helplessness, shame, despair
- Intended actions:
- Contact officials
 - Donate to Israeli or Palestinian causes
 - Willingness to attend protests

Table index