News article: Text written by journalist(s), published by a news source on a specific day.

News story: A group of news articles that discuss a set of related events over time.
Scope of NewsLens

Concepts NewsLens does **not** focus on:

- **Investigative journalism.** Focus on large stories (> 5 news articles).
- **Local journalism.**
- **Multi-lingual news.** Limited to English news articles.
- **Fake news.** We select a short list of news sources to limit amount of data, while maintaining diversity.
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**In short:** we limit our scope, to focus on helping users navigate major news stories.
Other projects focus on visual elements: timelines, maps, graphs. Limiting text to keywords, entities, and headlines. Article content is not shown.

We propose a **text-centric** interface: enabling the user to explore the wealth of textual content.
Multiple levels-of-detail

Challenge: How do you help a user navigate 9000+ news articles about Brexit?

We propose: automatically organizing the story into multiple levels-of-detail.

- Story name
- Latest update
- Story overview
- Detailed event view
Bob's first visit to NewsLens

2019-01-28

World Affairs

Venezuela Crisis
Brexit Deal
Samarco Dam Disaster
Northern Syria
Taliban Attack
Huawei Executive
Israeli Troops
Philippines' Troubled South
Migrant Rescue
Hazarika's Voice
See more stories

Culture

Oscar Nominations
Moscow Art Gallery
Michael Jackson's Family
Uk Weather Forecast
World's Loneliest Duck
Paris 'Terre' Attack Venue

News Playback

Philippines' Troubled South
Story started on Oct. 04, 2012 - 120 articles

Philippines vows to crush 'terrorists' after church bombs kill 27 — on Jan. 27, 2019
19 dead as bombs target cathedral in southern Philippines — on Jan. 26, 2019
Muslim self-rule backed in Philippines' troubled south — on Jan. 25, 2019
Philippines' Muslim region to vote on new autonomy law — on Jan. 20, 2019
When Bob comes back

- Some stories are updated
- Some stories are new
- Some stories are unchanged

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**Story name**

**Latest update**

**Story overview**

**Detailed event view**

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### World Affairs

- Venezuela Crisis: 9 new highlights
- Brexit Deal: 9 new highlights
- Samarco Dam Disaster: 5 new highlights
- Huawei Executive’s Arrest: 6 new highlights
- Northern Syria: 3 new highlights
- Israeli Troops: 2 new highlights
- Taliban Attack: 2 new highlights

### Business

- Khashoggi Murder: 1 new highlights
- PG & E Bankruptcy
- Renault-Nissan Alliance
- Qatar Lawsuit
- Longer-Term Guidance
- Paris Air Show
- Former Malaysian PM Najib

### Politics

- Trump Campaign: 5 new highlights
- US Shutdown
- Nigeria’s Chief Justice Trial: 2 new highlights
- US Intelligence Chiefs
- Three Oleg Deripaska Companies: 1 new highlights
- Independent 2020 Run
- PGA Championship: 1 new highlights

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### World Affairs

- Venezuela Crisis: 5 new highlights
- Brexit Deal: 1 new highlights
- Samarco Dam Disaster
- Huawei Executive’s Arrest: 2 new highlights
- Polar Vortex Cold Snap: 2 new highlights
- Northern Syria: 1 new highlights
- Israeli Troops: 1 new highlights

### Business

- Renault-Nissan Alliance: 1 new highlights
- Khashoggi Murder
- PG & E Bankruptcy
- $10bn Wisconsin Factory Plan
- Qatar Lawsuit
- Spain’s 'Anti-Uber' Strike
- Facebook’s Market Research App

### Politics

- Trump Campaign: 2 new highlights
- US Intelligence Chiefs: 1 new highlights
- US Shutdown
- Nigeria’s Chief Justice Trial
- Three Oleg Deripaska Companies
- Independent 2020 Run
- Netanyahu’s Toughest Ballot Rival
Opening the story leads to the next level-of-detail

Story name
Latest update
Story overview
Detailed event view
Indifference and in many cases anger at a series of measures miner Vale SA has pledged to adopt following last week’s dam burst that almost certainly killed over 300 people.

Outline

17

Jan. 31, 2019 to Jan. 31, 2019

- Hundreds missing in Brazil after Vale tailings dam burst, town evacuated
- The Latest: 7 bodies recovered after Brazil mine collapse
- Search on for up to 200 mining after Brazil dam collapse
- Brazil dam collapse: hundreds missing after mining disaster
- Brazil judge freezes $1.3 billion in Vale assets for dam burst damages
- Nearly 25,000 ordered to evacuate after Brazil dam burst, 250 missing
- Brazil prosecutor says Vale dam burst may scramble Samarco talks
- Brazilian despair turns to anger as toll from Vale dam disaster hits 60
- Brazil death toll rises as search for missing resumes
- Vale stock plunges after Brazil disaster; $16 billion in market cap erased
Thank you for listening. phillab@berkeley.edu