

Building the world's Largest News Knowledge Graph




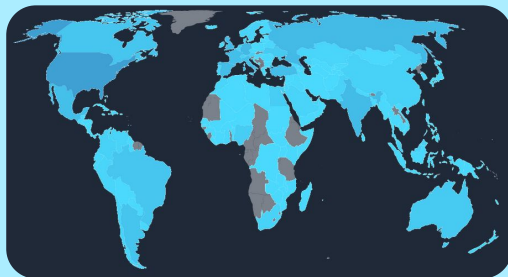
Robert Caulk, PhD
Elin Törnquist, PhD
Wagner Costa Santos

Global News Sources

 50,000+ news sources

 200+ countries


 16 languages



Enriched Content

 Entity extraction


 Sentiment analysis

 Reporting voice

 Provocative content

 Topic category


 Entity relationships

 Translation

 Summarization

→ Fully synthetic

Knowledge Base

 drant vector database

 Chat with the news

 Narrative tracking

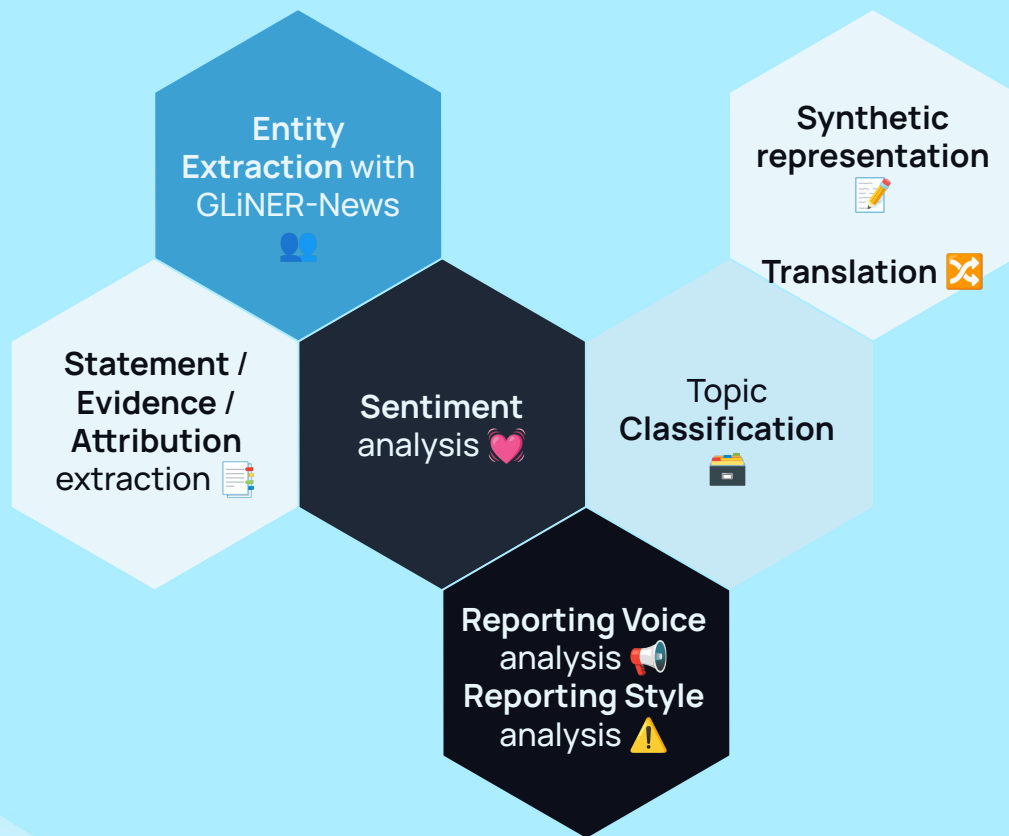
 Knowledge graphs



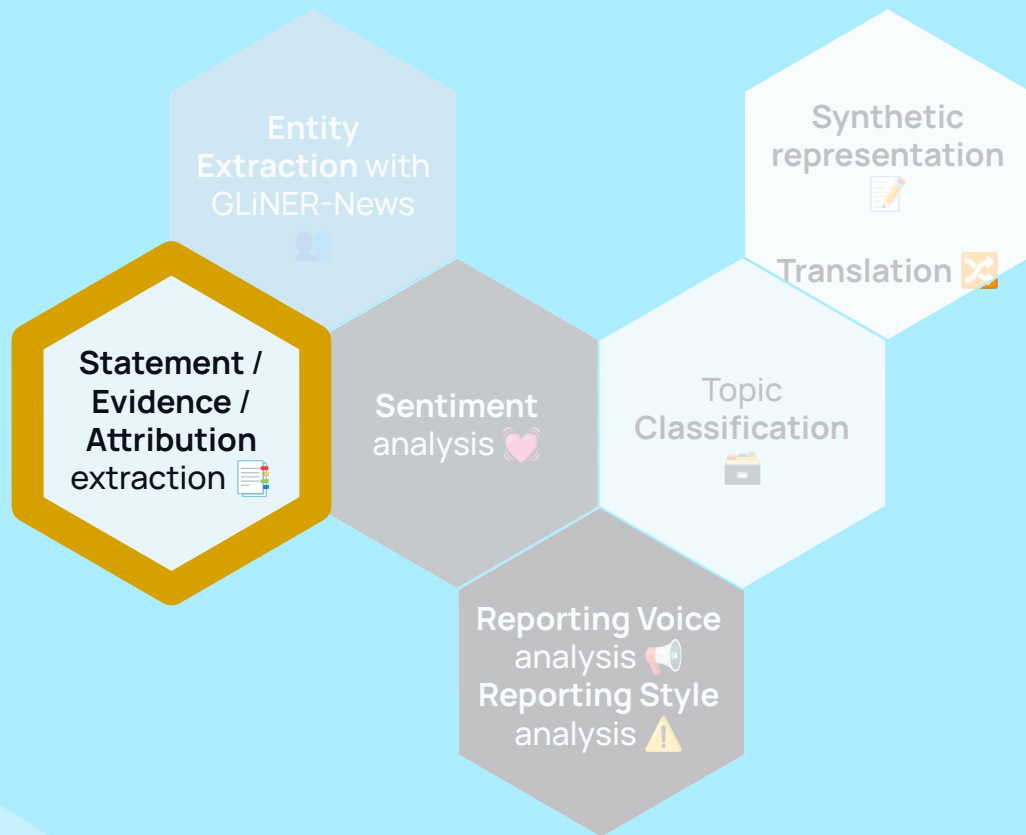
Goal

Provide High-quality real-time information
to readers, analysts, and LLMs

Content Enrichment



Content Enrichment

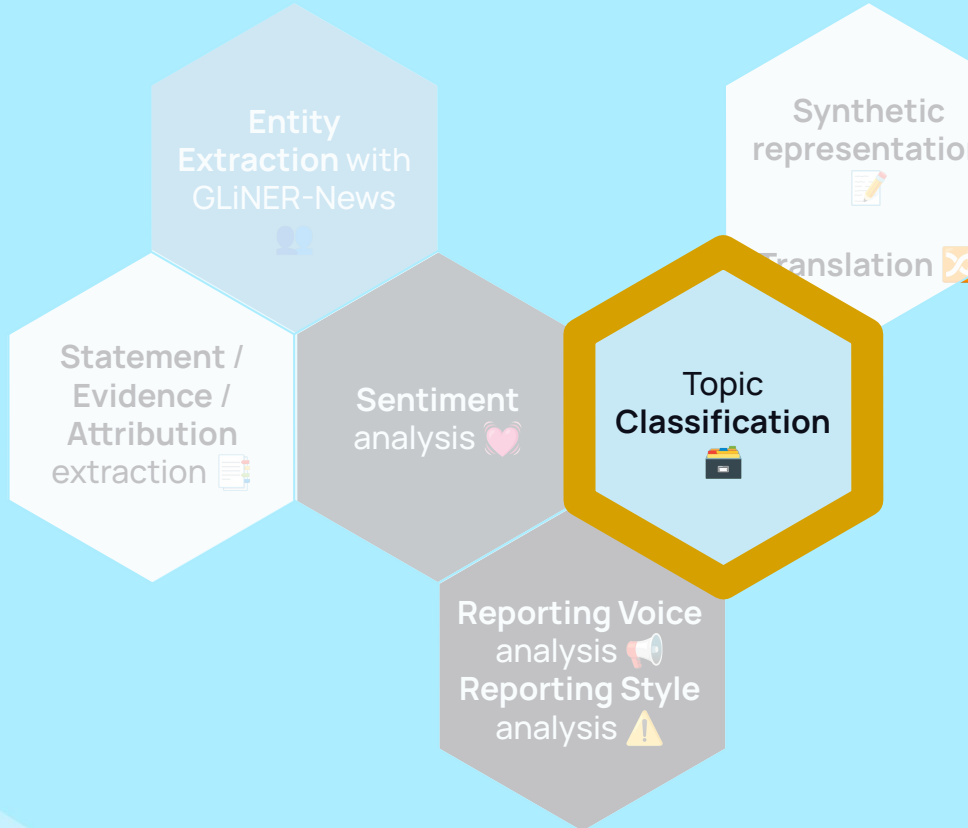


 Ensure journalistic integrity

 In-house Editor in Chief

 AP Style Guidelines

Content Enrichment



Classified as: Technology Reporting voice: Objective

AI Artificial Intelligence

Published: November 1, 2024 at 11:21 PM Full content: [thestar.com.my](#)

Provocative: low

Sentiment: 😊

Classified as: Science Reporting voice: Analytical

Opinion: The whole notion that AI will overtake humanity relies on a false premise

Published: November 2, 2024 at 12:05 PM Full content: [theglobeandmail.com](#)

Provocative: high

Sentiment: 😊

Entity types: Science, Nationality, Person, Organization, Title, Technology

Source origin: 🇨🇦

Original article

The concept of **artificial intelligence (AI)** is based on a false premise, argues **Joseph Wilson**, a doctoral candidate in **anthropology** at the University of Toronto. The idea that **AI will overtake humanity** relies on a narrow and outdated definition of **intelligence**, which is often equated with **computing power**. This definition is rooted in the **Western** cultural concept of **intelligence** as a single, measurable quality, rather than a complex and multifaceted set of skills and competencies. Wilson argues that this concept of **intelligence** is culturally specific and has been used to justify racist and classist beliefs about intellectual ability. He suggests that the development of **AI** is based on a flawed assumption that **intelligence** can be directly equated with **computing power**, and that this assumption is rooted in a **Western** cultural conceit that values mathematical and cognitive abilities over practical and emotional skills. Wilson concludes that the theory of **AGI (Artificial General intelligence)** is dependent on shifting, socially influenced definitions of **intelligence** and can never truly be proven right or wrong.

Content Enrichment



Content Enrichment


Entity
Extraction with
GLINER-News

Statement /
Evidence /
Attribution
extraction

Sentiment
analysis

Reporting Voice
analysis
Reporting Style
analysis

Classified as: Technology Reporting voice: Objective



Published: November 1, 2024 at 11:21 PM Full content: [thestar.com.my](#)


'AI helps us work smarter, not harder'

Several youths believe that **artificial intelligence (AI)** is a useful tool that can aid in creativity and workflow, rather than a threat. Fresh law graduate **Kalyani Rajendran** said, 'AI is not a threat because no matter how developed AI will be, there is always something only humans can offer that no AI can replicate.' SEO content specialist **Lee Wen Xi** added that AI lacks human quality and creativity, but can be useful for quick prompts and tasks. An executive, who wished to remain anonymous, emphasized the importance of upskilling and using AI to enhance creativity and efficiency. Journalism student **Lui Yee Min** defended AI, saying it can be an inspiration for creativity and save time. Junior copywriter **Zahid Hanafi** suggested that proper guidelines are needed to govern AI and prevent copyright violations.

Provocative
low

Sentiment
😊

Classified as: Science Reporting voice: Analytical



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Entity types

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- Nationality
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Source origin
🇨🇦



Original article

Content Enrichment

Entity
Extraction with
GLINER-News



Statement /
Evidence /
Attribution
extraction

Sentiment
analysis

Reporting Voice
analysis
Reporting Style
analysis

Classified as: Technology Reporting voice: Objective



Published: November 1, 2024 at 11:00 AM Full content thestar.com.my

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Provocative



Sentiment



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Provocative



Sentiment



Entity types

- Science
- Nationality
- Person
- Organization
- Title
- Technology

Source origin



Original article

Content Enrichment

Entity
Extraction with
GLiNER-News



Statement /
Evidence /
Attribution
extraction

Sentiment
analysis

Clas

Synthetic

Curating Grounded Synthetic Data with Global Perspectives for Equitable AI



Elin Törnquist
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Robert Alexander Caulk
Emergent Methods, CO
rob@emergentmethods.ai



Hugging Face

Search models, datasets, users...



EmergentMethods/**gliner_medium_news-v2.1**

like 65

Following Emergent Methods 20



Token Classification

GLiNER



PyTorch



EmergentMethods/AskNews-NER-v0



English



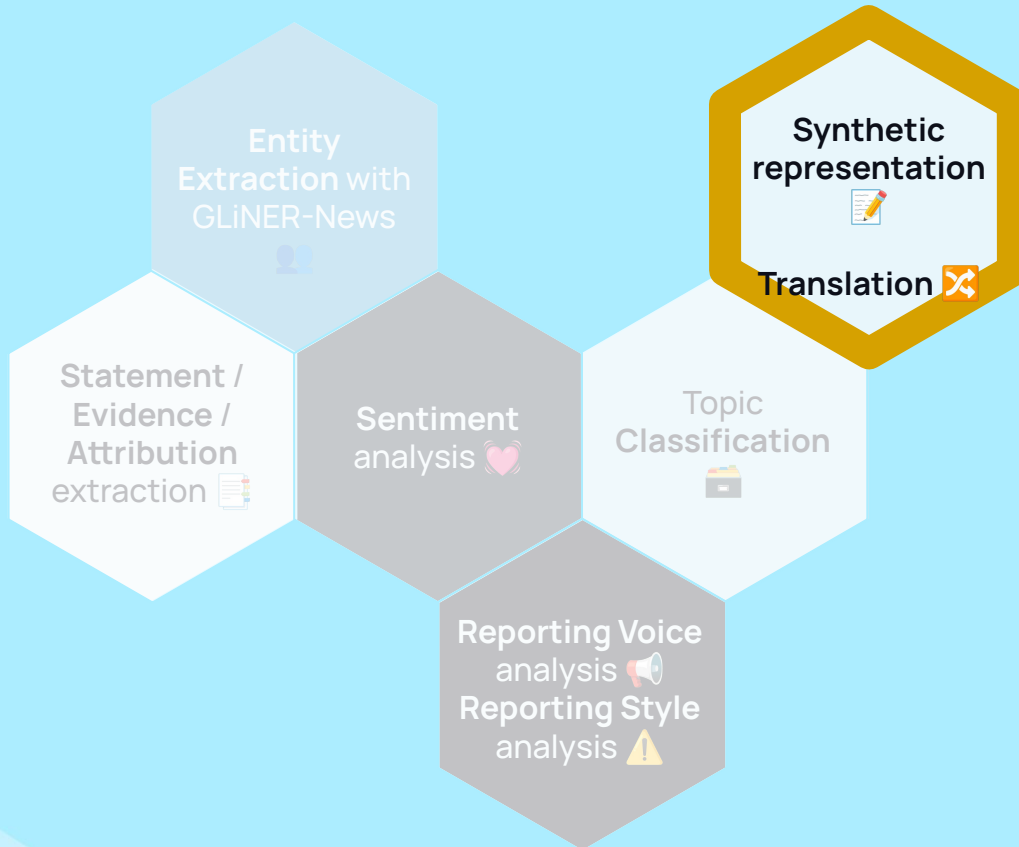
arxiv:2406.10258



License: apache-2.0



Content Enrichment



Classified as: Technology Reporting voice: Analytical



Published: November 2, 2024 at 1:33 AM Full content: conjur.com.br

Licitações com inteligência artificial: a escolha das ferramentas

AI in Public Procurement: A New Era of Efficiency and Transparency

The application of **Artificial Intelligence (AI)** in public procurement has the potential to optimize processes, ensure greater transparency and efficiency. AI tools such as **ChatGPT, Gemini, Perplexity, and Claude** can assist in all stages of the procurement process, from initial studies to contract management and auditing. Initially, AI can identify inconsistencies in the comparison of unequal objects, verify the coherence between the edital and its annexes, and correct errors in redaction and **legal and regulatory framework**. In the external phase of the procurement process, AI can assist in responding to consultations and impugnations, verifying the coherence between contracts and procurations, and analyzing resources with precision and coherence. In later stages, AI can be crucial in tasks such as analyzing data, producing technical reports, and mapping deviations and problems. Each AI tool has specific purposes, capacities, and limitations, and it is essential to use multiple tools simultaneously, with the most advanced versions, to maximize efficiency. Effective adoption of AI in procurement requires a paradigm shift, understanding that each tool has distinct applications and the ideal choice depends on the specific mission. The use of AI can elevate the quality and transparency of **public procurement**, making it a crucial tool for agents of contracting and **licitants** alike.

Provocative
low

Sentiment
😊

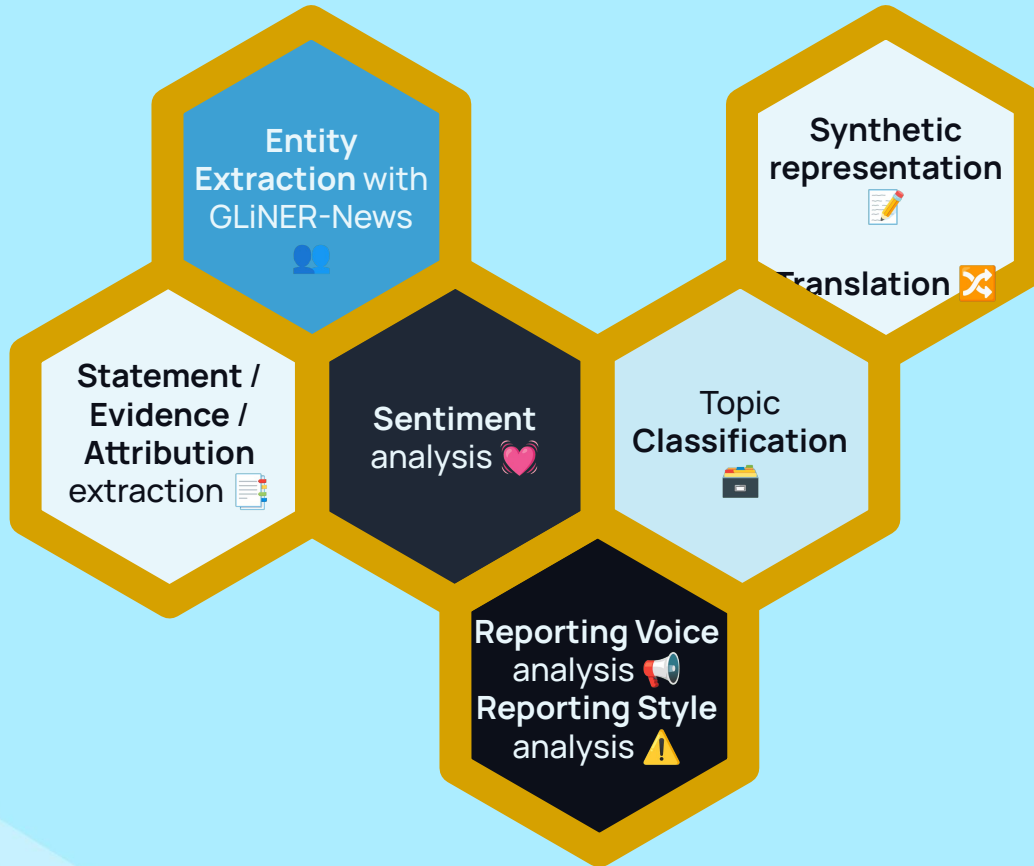
Entity types

- Technology
- Law
- Title

Source origin
🇧🇷

[Original article](#)

Content Enrichment



The image shows three examples of news articles with AI enrichment overlays:

- Top article:** Classified as: Technology. Reporting voice: Analytical. Provocative: low. Sentiment: neutral. Title: "Licitações com escolha das fe... AI in Public Procurement".
- Middle article:** Classified as: Technology. Reporting voice: Objective. Provocative: low. Title: "AI helps us work sm...".
- Bottom article:** Classified as: Science. Reporting voice: Analytical. Provocative: high. Title: "Opinion: The whole notion that AI will overtake humanity relies on a false premise".

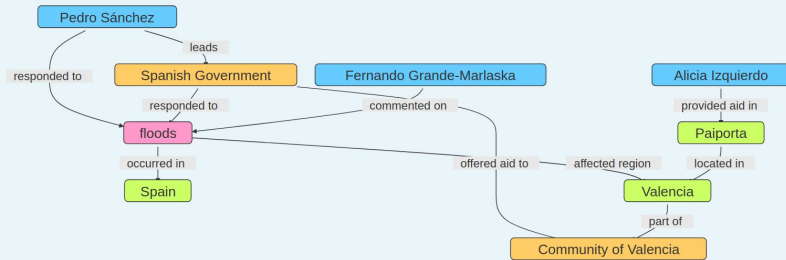
The bottom article's enrichment includes a legend for Entity types (Science, Nationality, Person, Organization, Title, Technology) and Source origin (Canada), and a world map showing the source location.

Upsert to



Entity Relationships

StoryGraph™



Like the data? 📌 It is available through our [AskNews API](#) 📌

AskNews

Explore Curated Stories | Ask the News

Updated 11/02/2024, 01:52 PM (about 4 hours ago) | Evocative reporting, based on 63% sources

Spain Floods: Death Toll Rises to 211, Government Deploys 10,000 Additional Personnel

StoryGraph™

reports, with the Valencia region bearing the brunt of the disaster. In response to the escalating crisis, Spanish Prime Minister Pedro Sánchez has announced the deployment of an additional 10,000 personnel - 5,000 soldiers and 5,000 police officers - to bolster rescue and recovery efforts in the affected areas.

"We are bringing forward the largest deployment of military and security personnel in peacetime," Sánchez stated, emphasizing the gravity of the situation. The reinforcements will join the 2,000 soldiers already on the ground, bringing the total military presence to 7,000.

Despite these efforts, the situation remains critical. Interior Minister Fernando Grande-Marlaska warned that the death toll is likely to rise further, stating it would be 'unwise' to give a number of missing persons at this stage. Many areas remain inaccessible, with thousands of people still unaccounted for.

The scale of the disaster is becoming increasingly apparent. In Paiporta alone, over 60 bodies have been recovered. Local authorities are struggling to provide adequate aid, with many areas still cut off from basic necessities. Alicia Izquierdo, a resident who brought food to her brother's town of Paiporta, reported that "the official aid is not enough".

Amidst the tragedy, there have been reports of looting in affected areas, with police arresting at least 50 individuals. The government of Valencia has urged people to stop driving to the affected areas to free up roads for rescue teams.

As the region grapples with what Sánchez described as "one of the most severe floods on our continent this century", the focus remains on search and rescue operations, reopening roads, and restoring order in the affected municipalities. The Spanish government has assured that "any aid needed by the Community of Valencia is just a request away and will be provided", as the nation faces its deadliest natural disaster in recent history.

Reddit Perspective™

EventTracker™

Spain Floods: Death Toll Rises to 211, Governmen...	Valencia Flood Death Toll Rises to 207, Over 1,900...	Valencia Flood Death Toll Rises to 207, Residents...	Spain's Flood Crisis Deepens: Death Toll at 205, Milit...
11/02/2024, 01:52 PM	11/02/2024, 09:39 AM	11/02/2024, 03:48 AM	11/02/2024, 01:50 AM

What is an Entity Relationship Graph?

Extracting the key people, organizations, locations, products, etc. and identifying their relationships

Sally and Roger went to McDonalds last Thursday on Thanksgiving and bought fries , a shake , and

two hamburgers for \$ 12.99 .



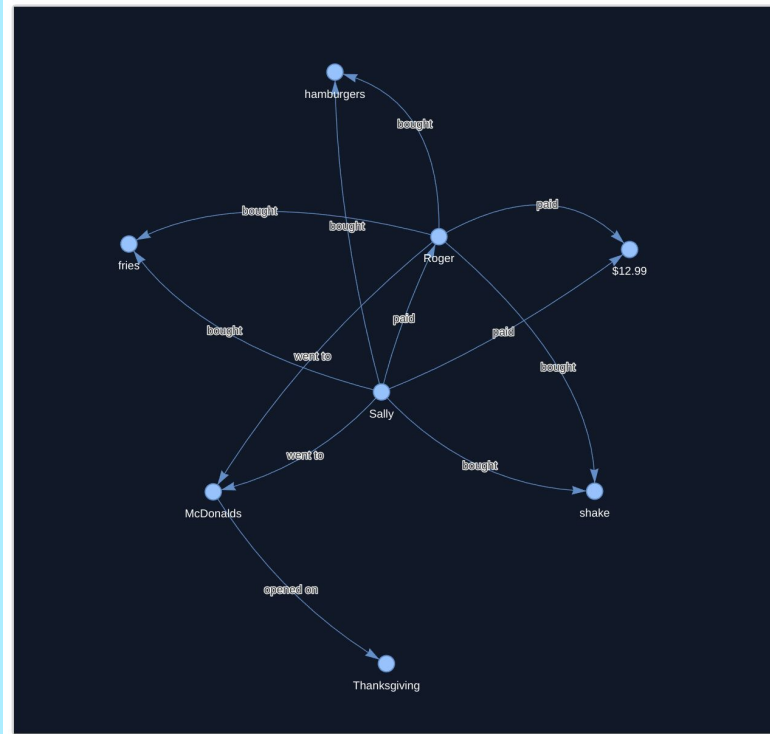
Why Entity Relationship Graphs?

Entity relationship graphs enable:

- Graph Database indexing
- Extraction of hidden insights
- Token-optimized information passing to LLMs
- Abstract filtering

Sally and Roger went to McDonalds last Thursday on Thanksgiving and bought fries , a shake , and

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Selecting a base model

Requirements:

- On-premise (open-source)
- Lightweight (high throughput)
- Good base reasoning
- 4k+ context window

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Published Apr 23, 2024 · 4 min read

Introducing Phi-3: Redefining what's possible with SLMs

By [Misha Bilenko](#), Corporate Vice President, Microsoft GenAI

Engineering the dataset

Problem:

Knowledge graphs are hard to make! How do we build our training dataset?

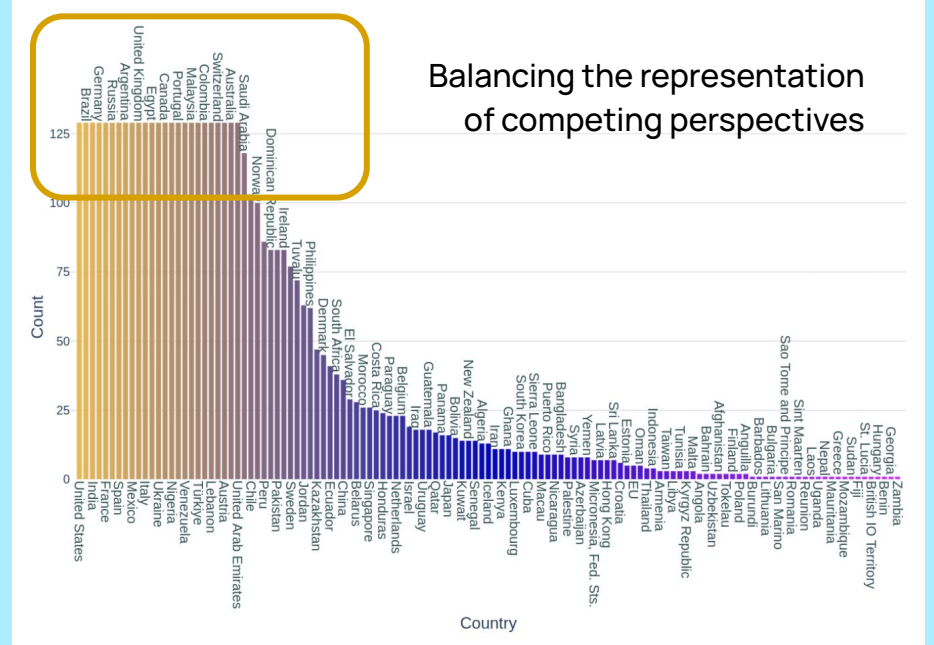
Solution:

Use expensive models, like GPT-4o and Claude-3.5, to build high-quality entity-relationship graphs on a representative dataset.

Engineering the dataset

Selecting the data:

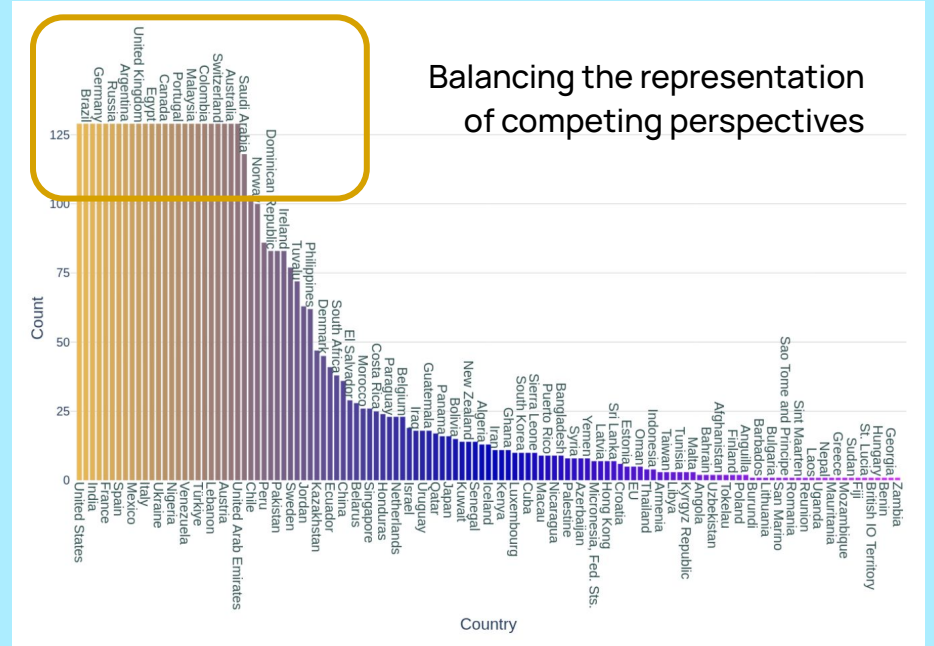
1. Geographical diversity



Engineering the dataset

Selecting the data:

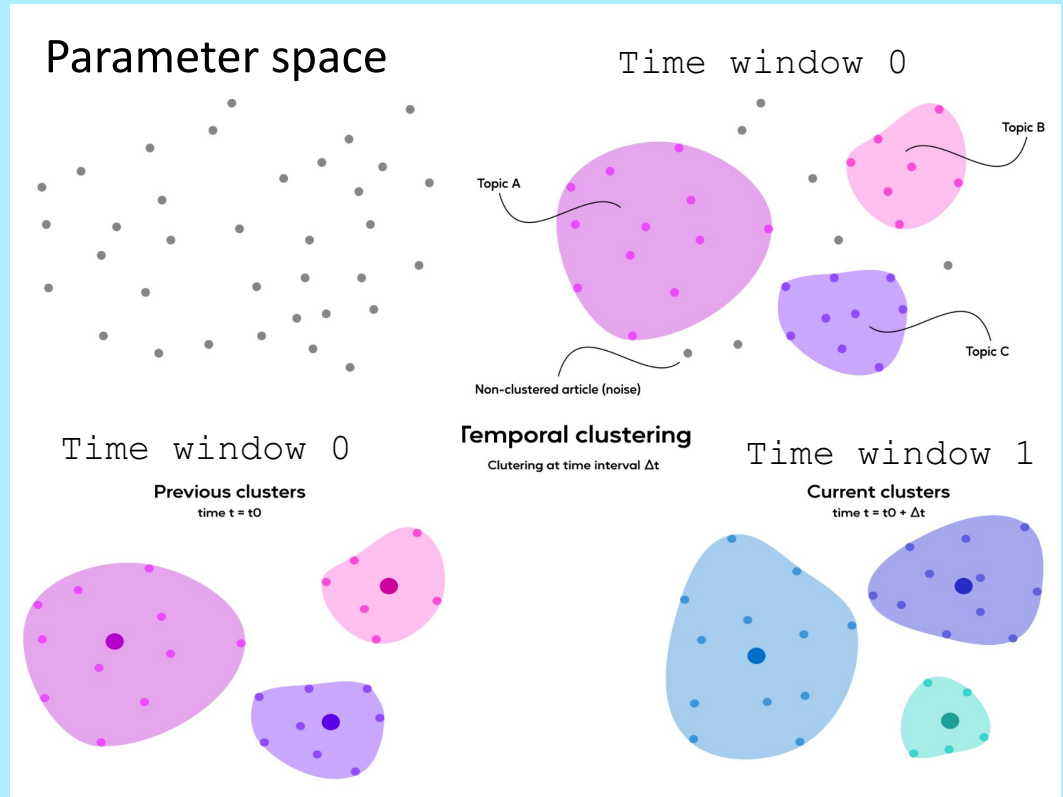
1. Geographical diversity
2. Linguistic diversity



Engineering the dataset

Selecting the data:

1. Geographical diversity
2. Linguistic diversity
3. Topic diversity



Engineering the dataset

Labeling the data:

1. Write high-quality synthetic representation

International / Politics

Middle East

Updated 12/04/2024, 08:14 PM (about 17 hours ago) ⚠️ Evocative reporting, based on 51 sources

Battle for Hama Intensifies as Death Toll Surpasses 700 in Syrian Conflict

Generated by AI with a confidence score of 68%. Predominantly objective reporting with a notable presence of investigative elements.

StoryGraph™

The battle for control of Syria's strategic city of Hama has intensified, with both government and opposition forces claiming significant gains. Syrian army units, backed by Russian air support, have pushed back anti-government groups more than 20 kilometers from Hama's outskirts 🇷🇺 🇷🇺, while opposition forces report capturing four settlements including the Armored Corps School near the city center 🇺🇸.

In a significant development, Major General Saeed Hassan, commander of the Syrian Army's special forces, was reportedly injured in a targeted artillery attack during a military meeting in the Jabal Zain al-Abideen area 🇸🇾. The Syrian Observatory for Human Rights reports that the death toll has risen to 704 since November 27, including 361 rebels, 233 government forces, and 110 civilians 🇺🇸 🇺🇸.

The conflict has triggered a humanitarian crisis, with tens of thousands of civilians forced to flee their homes 🇺🇸 🇺🇸. UN Special Envoy for Syria, Geir Pedersen, warned that without de-escalation and movement toward a political solution, 'Syria will be in grave danger of greater division, deterioration, and destruction' 🇺🇸.

International involvement continues to deepen, with Russia and Iran supporting government forces while Turkey backs opposition groups 🇸🇾. Turkish forces have sent reinforcements to the town of Azez 🇺🇸, while Iranian-backed Iraqi fighters have been deployed to support Assad's forces 🇸🇾. The Russian Foreign Ministry reports being in 'close contact' with Iran and Turkey to stabilize the situation 🇺🇸.

Engineering the dataset

Labeling the data:

1. Write high-quality synthetic representation
2. Extract entity-relationship graphs with GPT-4o

International / Politics

Middle East

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StoryGraph™

```
graph TD; Russia -- "in close contact with" --- Iran; Russia -- "in close contact with" --- Turkey; Iran -- "supports" --- Syrian_gov[Syrian government forces]; Turkey -- "supports" --- Syrian_gov; Turkey -- "supports" --- Opp[opposition forces]; Turkey -- "sent reinforcements to" --- Opp; Major_Gen[Major General Saeed Hassan] -- "commander" --- Syrian_gov; Russian_support[Russian air support] -- "backing" --- Syrian_gov; Iranian_fighters[Iranian-backed Iraqi fighters] -- "supporting" --- Opp; Syrian_gov -- "control battle" --- Hama; Opp -- "control battle" --- Hama; Azez -- "control battle" --- Hama;
```

Like the data? 🙌 it is available through our [AskNews API](#) 🚀

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Phi-3-Graph

Extracted information

OpenAI is an American artificial intelligence (AI) research organization founded in December 2015 and headquartered in San Francisco, California. Its mission is to develop "safe and beneficial" artificial general intelligence..

```
{
  "nodes": [
    {
      "id": "OpenAI",
      "type": "organization",
      "detailed_type": "ai research organization"
    },
    {
      "id": "San Francisco",
      "type": "location",
      "detailed_type": "city"
    },
    ],...
  ],
  "edges": [
    {
      "from": "OpenAI",
      "to": "San Francisco",
      "label": "headquartered in"
    },
    ],...
  ]
}
```


Fine-tuning

Huggingface transformers

- SFTTrainer for efficient supervised training,
- PEFT for parameter-efficient fine-tuning,
- QLoRA for quantized low-rank adaptation

```
from transformers import (AutoTokenizer,
                          AutoModelForCausalLM, BitsAndBytesConfig,
                          TrainingArguments,
                          EarlyStoppingCallback)
from trl import SFTTrainer
from peft import LoraConfig

class ModelTrainer:
    def setup_model_and_tokenizer(self):
        bnb_config = BitsAndBytesConfig(
            load_in_4bit=True,
            bnb_4bit_use_double_quant=True,
            bnb_4bit_quant_type="nf4",
            bnb_4bit_compute_dtype=torch.bfloat16
        )
        self.model =
        AutoModelForCausalLM.from_pretrained(
            self.model_id,
            device_map="auto",
            attn_implementation="flash_attention_2",
            torch_dtype=torch.bfloat16,
            quantization_config=bnb_config,
            trust_remote_code=True,
            use_cache=False
        )
        self.tokenizer =
        AutoTokenizer.from_pretrained(self.tokenizer_id,
            trust_remote_code=True)
```

Fine-tuning

Huggingface transformers

- SFTTrainer for efficient supervised training,
- PEFT for parameter-efficient fine-tuning,
- QLoRA for quantized low-rank adaptation

```
continued ...

def setup_trainer(self, train_dataset, eval_dataset):
    peft_config = LoraConfig(
        lora_alpha=8,
        lora_dropout=0.05,
        r=6,
        bias="none",
        target_modules="all-linear",
        task_type="CAUSAL_LM",
    )

    args = TrainingArguments(
        output_dir=self.output_dir,
        num_train_epochs=5,
        per_device_train_batch_size=4,
        gradient_accumulation_steps=1,
        per_device_eval_batch_size=8,
        eval_accumulation_steps=2,
        gradient_checkpointing=True,
        logging_steps=10,
        save_strategy="steps",
        evaluation_strategy="steps",
        eval_steps=100,
        save_steps=100,
        bf16=True,
        tf32=True,
        learning_rate=2e-4,
        max_grad_norm=0.3,
        warmup_ratio=0.03,
        lr_scheduler_type="cosine",
        metric_for_best_model="json_similarity_avg",
        greater_is_better=True,
    )

    self.trainer = SFTTrainer(
        model=self.model,
        args=args,
        train_dataset=train_dataset,
        eval_dataset=eval_dataset,
        peft_config=peft_config,
        max_seq_length=3072,
        tokenizer=self.tokenizer,
        packing=False,
        compute_metrics=self.compute_metrics,
    )

def main():
    trainer = ModelTrainer(
        model_id="microsoft/Phi-3-mini-4k-instruct",
        tokenizer_id="microsoft/Phi-3-mini-4k-instruct",
        output_dir=f"models/{output_model_name}"
    )

    trainer.setup_model_and_tokenizer()
    trainer.setup_trainer(chatml_train_dataset,
                          chatml_eval_dataset)
    trainer.train_model()
    trainer.save_model()
```

Fine-tuning

Custom metrics

JSON Similarity - compare to reference model

$$S = \frac{S_N + S_E}{2}$$

where:

$$S_N = \frac{1}{2} \left(\frac{|N_r \cap N_p|}{|N_r|} + \frac{|N_r^{id} \cap N_p^{id}|}{|N_r^{id}|} \right)$$

$$S_E = \frac{|E_r \cap E_p|}{|E_r|}$$

With the following definitions:

N_r : Set of (node id, node type) pairs in reference graph

N_p : Set of (node id, node type) pairs in predicted graph

N_r^{id} : Set of node ids in reference graph

N_p^{id} : Set of node ids in predicted graph

E_r : Set of (source, target) pairs in reference graph edges

E_p : Set of (source, target) pairs in predicted graph edges

$|\cdot|$: Cardinality of a set

JSON Consistency - account for orphaned edges

$$C = \frac{|E_v|}{|E_p|}$$

With the following definitions:

E_p : Set of all edges in predicted graph

E_v : Set of valid edges in predicted graph

$|\cdot|$: Number of elements in a set

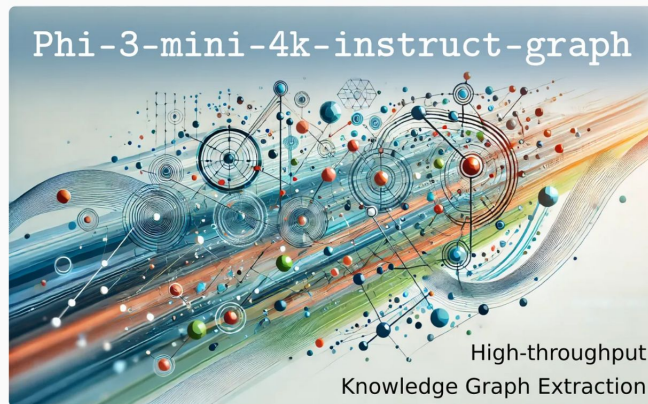
Entity Relationships - Phi-3-Graph

Outperforming Claude 3.5 Sonnet with Phi-3-mini-4k for graph entity relationship extraction tasks



Loss Metric	Claude Sonnet 3.5	Phi-3-mini-4k-graph Fine-tuned	Phi-3-mini-4k (base)
Parsing Error rate	0.0%	0.0%	2.5%
Node Similarity	0.64	0.78	0.64
Edge Similarity	0.41	0.49	0.30
JSON Consistency	0.97	0.99	0.96
JSON Similarity	0.67	0.75	0.63

Performance comparison across our Phi-3-mini fine tune for various loss metrics and state of the art models.



<https://asknews.app/en/blog-articles/outperforming-claude-3-5-sonnet-with-phi-3-mini-4k-for-graph-entity-relationship-extraction-tasks>

Hugging Face

Search models, datasets, users...

Models Datasets Spaces Posts D

EmergentMethods / Phi-3-mini-4k-instruct-graph

like 33

Following Emergent Methods 20

Text Generation

Transformers

Safetensors

EmergentMethods/AskNews-GraphER-v0

English

phi3

entity-relationship-extraction

news-analysis

conversational

custom_code

text-generation-inference

Inference Endpoints

License: cc-by-nc-sa-4.0



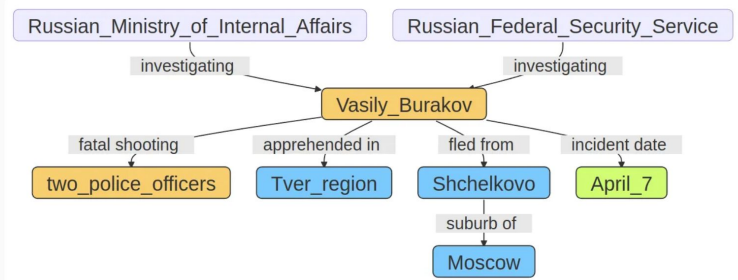
Phi-3-Graph - the good

Story: In a coordinated law enforcement operation, Vasily Burakov was apprehended in the Tver region for the fatal shooting of two police officers in Shchelkovo, a suburb of Moscow. The attack, which took place on April 7, led to the death of one officer and left another in serious condition. Burakov, who fled the scene and was in hiding, was located following a six-hour manhunt that ended with his arrest in a local forest. Upon his capture, Burakov admitted to the crime and has since been charged with attempted murder of law enforcement officers and illegal possession of firearms. The incident has stirred significant concern as it highlights the dangers faced by officers in the line of duty, particularly in operations related to drug trafficking. The Russian Ministry of Internal Affairs and the Russian Federal Security Service are continuing their investigation into the circumstances surrounding the shooting and the subsequent flight and arrest of Burakov.

GPT-4o output:



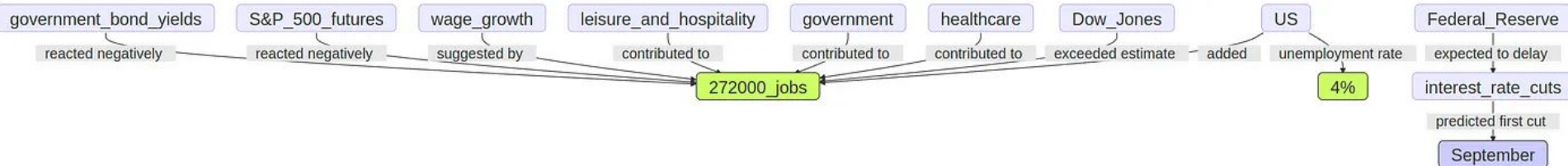
Phi-3-mini-instruct-graph output:



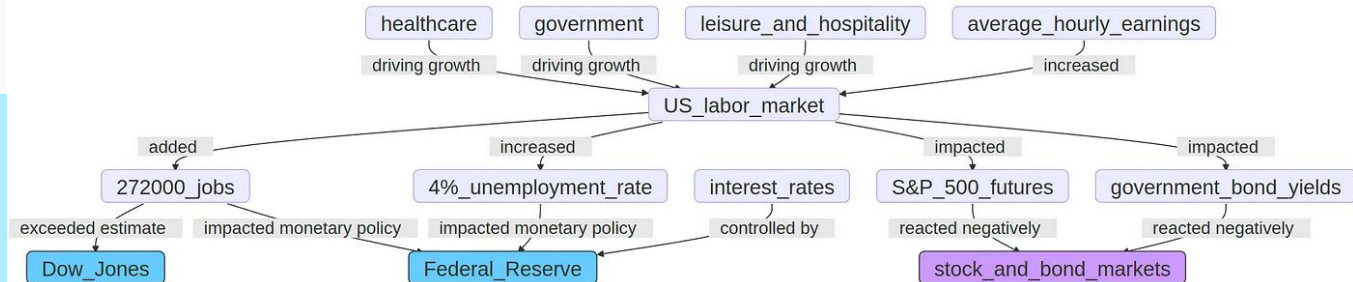
Phi-3-Graph - the ambiguous

Story: In a surprising display of resilience, the US labor market added 272,000 jobs in May, far exceeding the Dow Jones consensus estimate of 190,000 and countering the narrative of a labor market slowdown. Despite the robust job growth, the unemployment rate ticked up to 4%, the highest it has been since January 2022. The sectors of healthcare, government, and leisure and hospitality were the main drivers of this growth, while average hourly earnings increased, suggesting a continued trend of wage growth. The implications of the strong job report are significant for the Federal Reserve's monetary policy. Initially, there were expectations that the Fed might cut interest rates to support the economy. However, the unexpected surge in job creation and wage increases may lead the Fed to hold off on any rate cuts, with some experts now predicting that the first rate cut might not occur until September. The labor market's strength is seen as a key factor that could keep the Fed in a holding pattern. The stock and bond markets reacted negatively to the report, with S&P 500 futures dropping and government bond yields rising, reflecting investor concerns that the Fed might delay interest rate cuts due to the strong job market data. The current situation presents a complex scenario for the Fed, which is balancing the need to manage inflation with the desire to support economic growth and maintain labor market strength.

GPT-4o output:



Phi-3-mini-instruct-graph output:

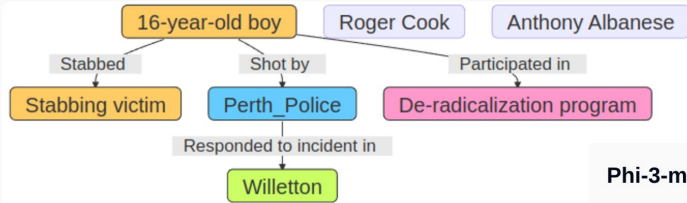


Phi-3-Graph - JSON consistency

Story: In a tragic confrontation, a 16-year-old boy was fatally shot by police in Perth, Western Australia, after stabbing a man and refusing to surrender his weapon. The incident, which took place in the suburb of Willetton, has been characterized by authorities as having 'hallmarks' of terrorism due to the boy's reported online radicalization. He had been previously identified as a risk and was part of a de-radicalization program. The police had been tipped off about a potential attack the evening before, but were unable to prevent the stabbing. When they arrived at the scene, the boy, armed with a 30-centimeter kitchen knife, charged at the officers despite being tased twice and was subsequently shot. The victim of the stabbing is currently in a stable but critical condition. This event has raised significant concerns regarding the spread of radicalization among young people in Australia and the challenges of intervening effectively. Western Australia Premier Roger Cook and Australian Prime Minister Anthony Albanese have both addressed the incident, emphasizing the country's commitment to combating violent extremism. The incident is under investigation, and a meeting between religious leaders and city authorities has been scheduled to address community concerns.

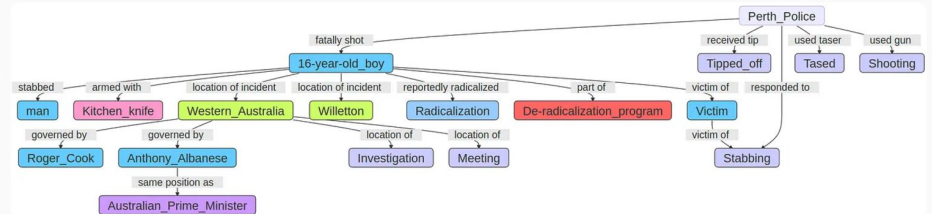
Claude 3.5 Sonnet output:

57%

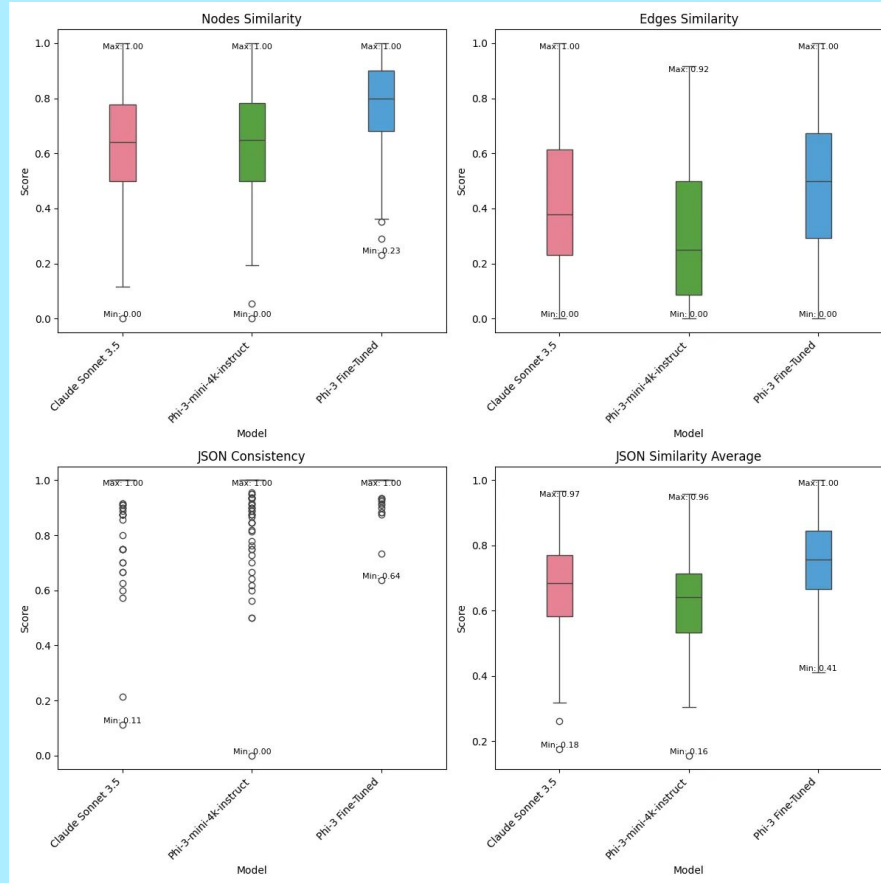


Phi-3-mini-instruct-graph output:

100%



Phi-3-Graph - Performance comparison



Phi-3-Graph - Cost comparison

Hosting 2x A100 SXM (runpod.io)

\$ 3.88/ hour => \$93.12 / day

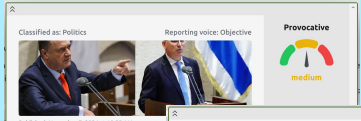
OpenAI (GPT-4o)

Input pricing: 271.5M (905 x 300k) Tokens (\$5.00 / 1M): Total \$ 1357,00 / day

Output pricing: 157.5M (525 x 300k) Tokens (\$15.00 / 1M): Total \$ 2362,50 / day

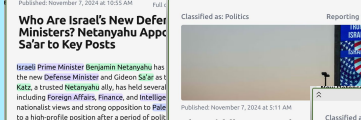
Total: \$ 3719.50 / day

In action



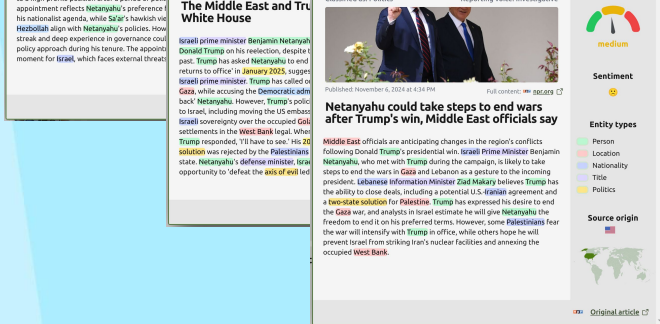
Classified as: Politics Reporting voice: Objective Provocative
medium

Published November 7, 2024 at 10:51 AM



Classified as: Politics Reporting voice: Analytical Provocative
medium

Published November 7, 2024 at 5:11 AM



Classified as: Politics Reporting voice: Investigative Provocative
medium

Published November 6, 2024 at 4:34 PM

The Middle East and the White House

Israeli prime minister Benjamin Netanyahu said Donald Trump on his reelection, despite a poor. Trump has asked Netanyahu to end returns to office in January 2025, suggest Israeli prime minister. Trump has called on Gaza, while accusing the Democratic administration back Netanyahu. However, Trump's policy to Israel, including moving the US embassy to Jerusalem, has given Netanyahu an opportunity to defend the status quo and to lead the world's largest democracy to a new era of stability.

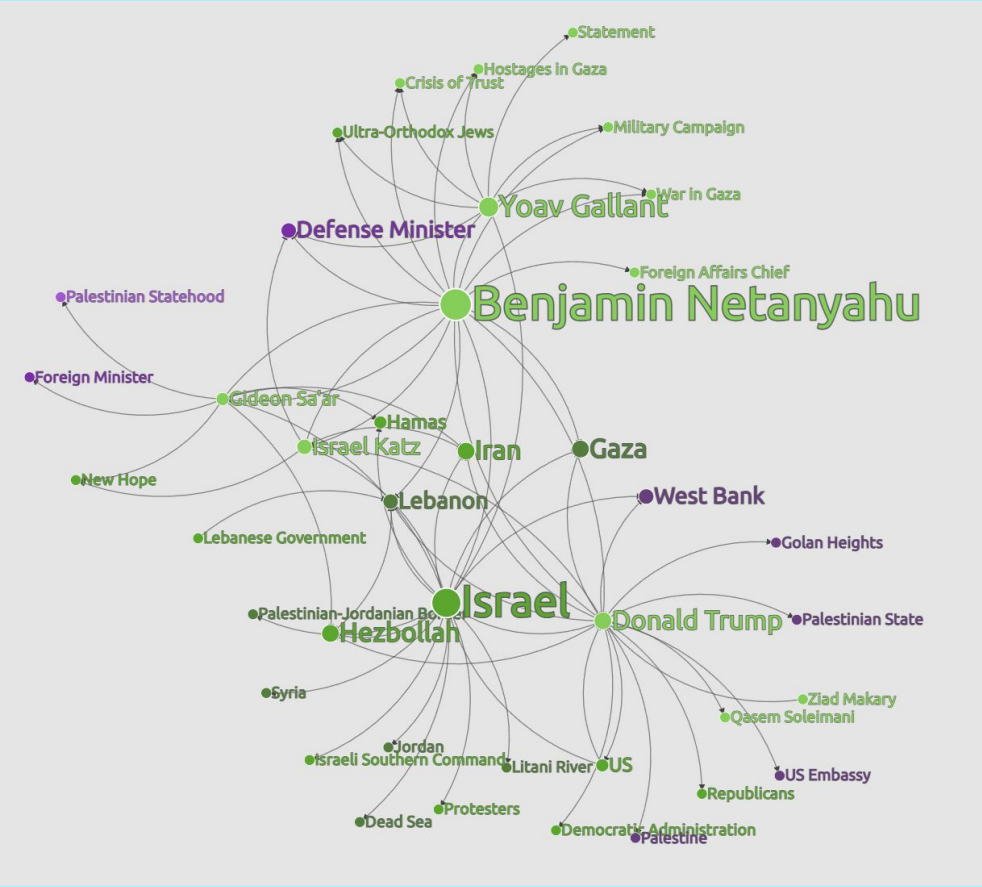
Netanyahu could take steps to end wars after Trump's win, Middle East officials say

Middle East officials are anticipating changes in the region's conflicts following Donald Trump's presidential win. Israeli Prime Minister Benjamin Netanyahu, who met with Trump during the campaign, is likely to take steps to end the wars in Gaza and Lebanon as a gesture to the incoming president. Lebanese Information Minister Ziad Makary believes Trump has the ability to close deals, including a potential U.S. agreement and a ceasefire for Palestine. Trump has expressed his desire to end the Gaza war, and analysts in Israel estimate he will give Netanyahu the freedom to end it on his preferred terms. However, some Palestinians fear the war will intensify with Trump in office, while others hope he will prevent Israel from striking Iran's nuclear facilities and annexing the occupied West Bank.

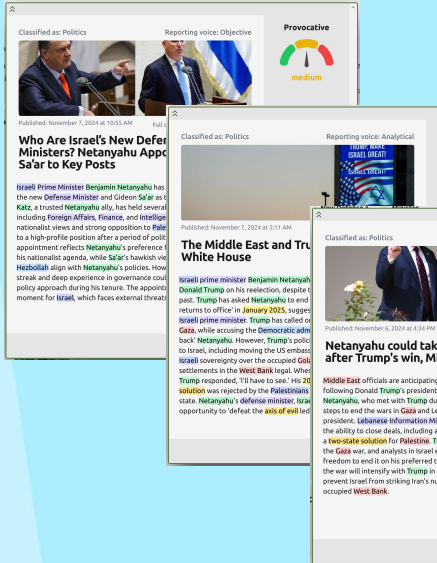
Entity types
Person
Location
Nationality
Title
Politics

Source origin

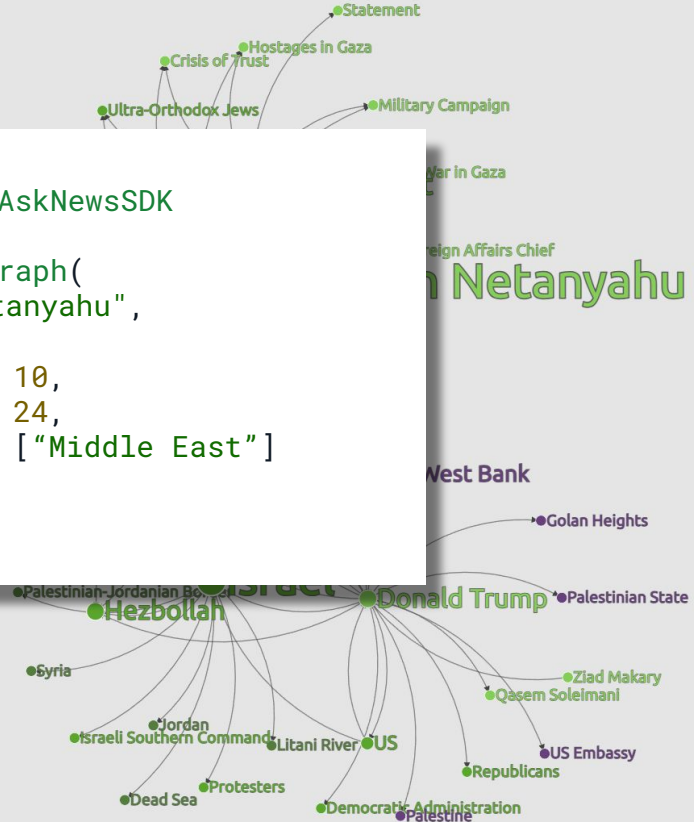
Original article



One line of code



```
from asknews_sdk import AskNewsSDK
ask = AskNewsSDK()
graph = ask.news.build_graph(
    query="Benjamin Netanyahu",
    filter_params={
        "n_articles": 10,
        "hours_back": 24,
        "continents": ["Middle East"]
    }
)
```



In Action

Newsplunker

Topic: **Aleppo Monitor** [Share topic ↗](#) [Code block </>](#)

Overview | Analyst's notes

Overview

In recent developments, Syrian rebels led by Hayat Tahrir al-Sham (HTS) have launched a surprise offensive, capturing most of Aleppo, Syria's second-largest city. This offensive marks a significant shift in the Syrian civil war, which had been relatively static for years. The rebels' rapid advance forced government forces to retreat, highlighting the weakened state of President Bashar al-Assad's regime.

[Read more](#)

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Dec 4, 2024, 7:01 PM

Relationship Graph

Displayed nodes: 160 / 160

Displayed categories: Organization, Location, Person, Group

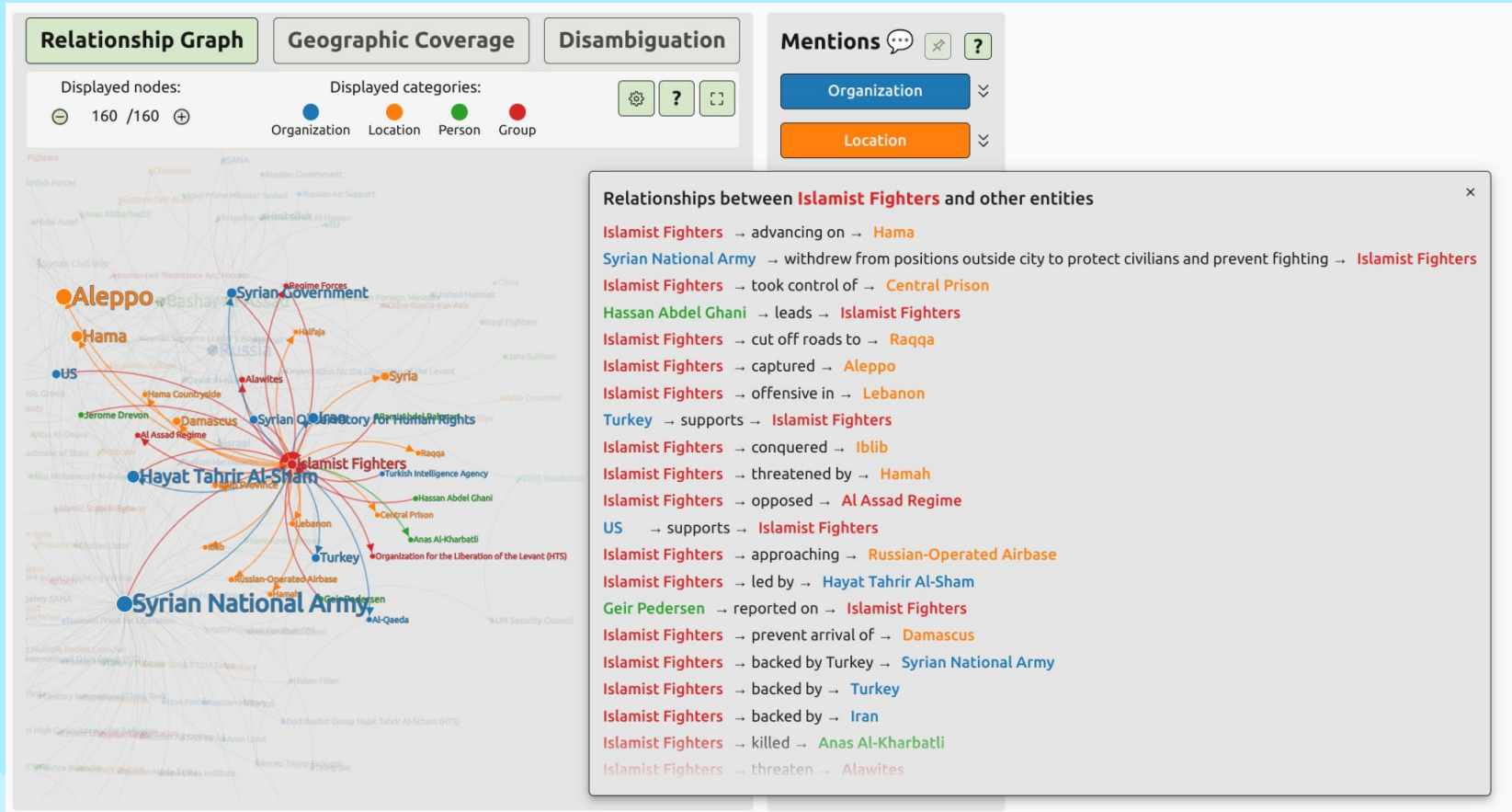
Mentions

- Organization
- Location
- Person
- Group
- Object
- Event
- Country

Source origin

USA	18%	Germany	16%	India	11%
France	8%	China	8%	Japan	8%
UK	5%	Russia	5%	Canada	3%
Spain	3%	Italy	3%	South Korea	3%
Canada	3%	Iran	3%	Other	3%

In Action



Geographical Coverage

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Geographic Coverage

Relationship Graph | Disambiguation

Locations

Leaflet | Map data © OpenStreetMap contributors

Mentions

- Organization
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- Person
- Group
- Object
- Event
- Country

Source origin

18%	16%	11%
8%	8%	8%
5%	5%	3%
3%	3%	3%
3%	3%	3%

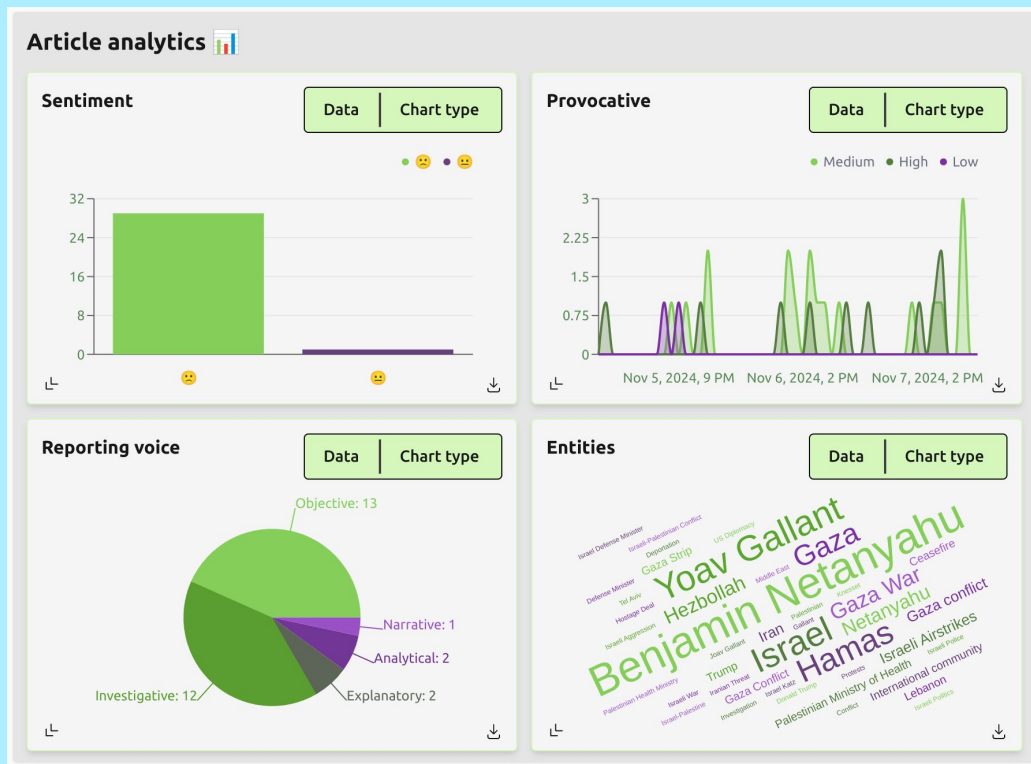
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Entity
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GLiNER-News

Sentiment
analysis

Topic
Classification

Reporting Voice
analysis
Reporting Style
analysis



Event Forecasting

Forecasts by VOIR

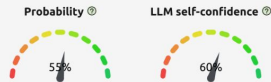
Forecast query: "Who will win the United States Presidential Election?"

Summary

The 2024 US presidential election is a highly contested race between Democratic candidate Kamala Harris and Republican candidate Donald Trump. The election outcome will hinge on key swing states such as Pennsylvania,...

Donald Trump

Slightly Favored



Donald Trump is slightly favored to win, with a narrow electoral college advantage potentially driven by underestimated Republican turnout and favorable conditions in pivotal swing states.

Resolution Criteria

This question resolves to the candidate who receives at least...

Unique Information

Polymarket predictions and betting platforms give Trump a...

Reasoning

Historical trends and polling biases have often understated Republican support, especially for Trump. Despite economic concerns which...

Timeline

November 3, 2024

Final national and state-level polls released showing tight race.

November 4, 2024

Polls continue to show tight margins, with differing results from betting markets and

November 5, 2024

Election Day, where voters will decide the outcome.

Articles

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Silver

Outlets 2024

November 3, 2024

Latest Polls 2024

June 24, 2024

Kamala Harris vs. Donald Trump



Use-cases



Event monitoring for travel in high risk zones

Risk Analysis

Fight against Human Trafficking



Transit monitoring

AskNews



Bias Analysis and Mitigation

Event Forecasting

Metaculus

AI Forecasting Benchmark Tournament

CrediRAG: Network-Augmented Credibility-Based Retrieval for Misinformation Detection in Reddit

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