

Exploring the Integration of AI into Journalistic Pre-Professional Workflows and Its Impact on Co-Intelligence

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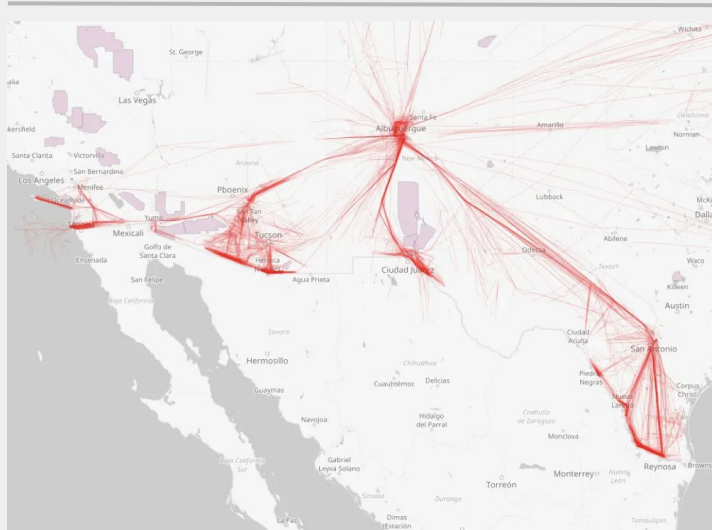


AI & Journalism

Custom GPT

Jaemark Tordecilla says “if the hype is true, that this technology could **change the world**, then it should **change journalism** as well.” (March, 2024)

Hidden Planes, BuzzFeed News



Flights by Global Geo Mapping planes near the US–Mexico border, January 2015 to July 2017.

Peter Aldhous | BuzzFeed News | Via flightradar24.com

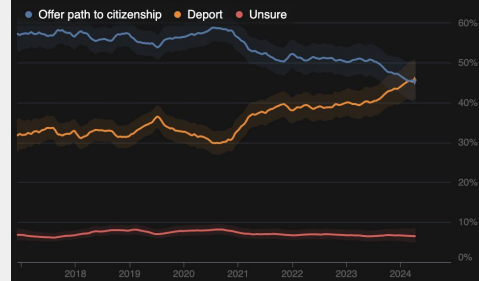
Realtime.org

Latest from Realtime (Beta)

Support for immigrant path to citizenship drops, poll shows

New poll shows 45.9% of Americans favor offering citizenship, a 4.9 percentage point decrease from a year ago, amidst global immigration debates.

45.91% of Americans believe the US should offer a path to citizenship for immigrants living illegally in the country, down 4.93 percentage points from a year ago. The UK recently passed a bill to deport asylum seekers to Rwanda, highlighting the divisive immigration debate globally.



Source: Civiqs

Timespan ID 1W 1Mo 6Mo YTD 1Y 5Y All

AI in Newsrooms

How The New York Times Uses A.I. for Journalism

We don't use A.I. to write articles, and journalists are ultimately responsible for everything that we publish.

The Brown and White

All the Lehigh news first since 1894

TOW REPORT

Artificial Intelligence in the News: How AI Retools, Rationalizes, and Reshapes Journalism and the Public Arena



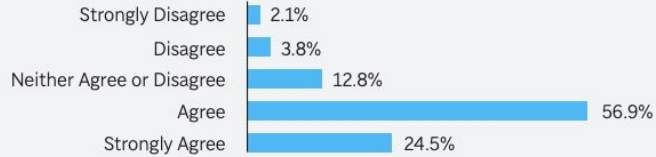
Otter.ai

The Washington Post

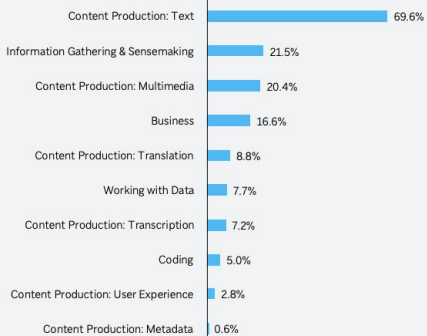


AP Survey

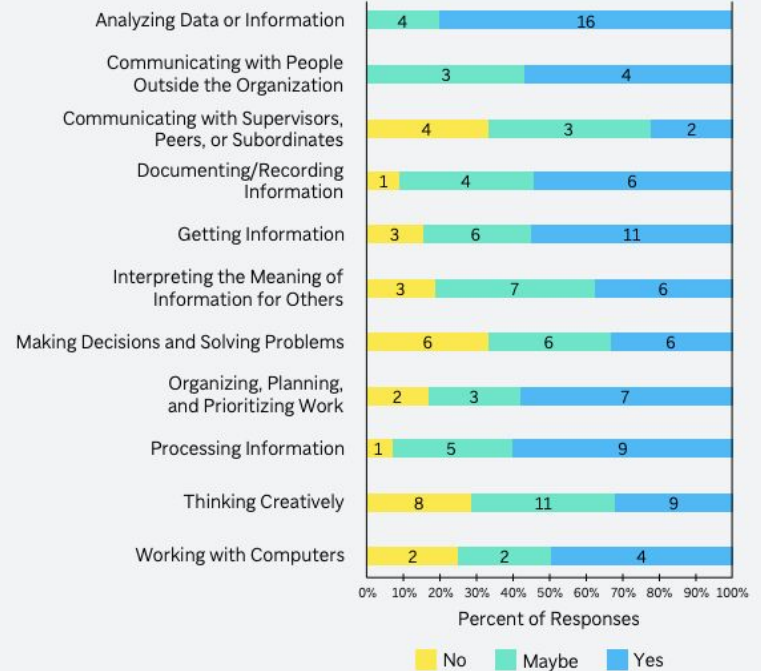
Respondents who agree with the statement "I am knowledgeable about generative AI."



Current Usage Tasks



Interest in Receiving Help for Journalism Activities

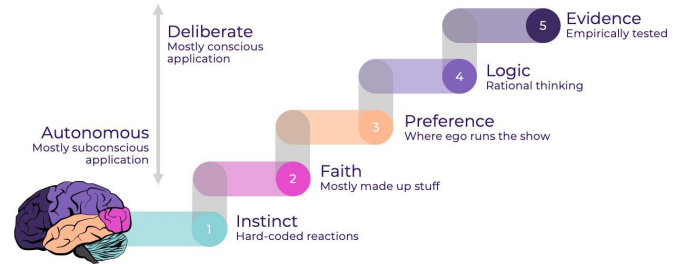


Mental Models of AI

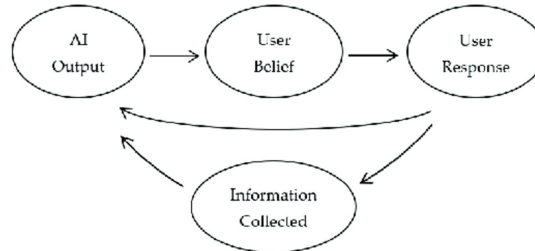
TABLE 3 The explanation satisfaction scale.

From the explanation, I know how the [software, algorithm, tool] works.
This explanation of how the [software, algorithm, tool] works is satisfying .
This explanation of how the [software, algorithm, tool] works has sufficient detail .
This explanation of how the [software, algorithm, tool] works seems complete .
This explanation of how the [software, algorithm, tool] works tells me how to use it .
This explanation of how the [software, algorithm, tool] works is useful to my goals .
This explanation of the [software, algorithm, tool] shows me how accurate the [software, algorithm, tool] is.

The Five Cognitive Dimensions of Mental Models



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SPJ CODE OF ETHICS

**1) Seek Truth
and Report It**

**2) Minimize
Harm**

**3) Act
Independently**

**4) Be Accountable
and Transparent**

FOUNDATIONAL QUESTIONS



Ethical Implications

How does AI integration impact the journalistic ethics that are outlined by AP:



Long-term Impact

What will an increased integration of AI mean for Journalism?



Real-time application

How are AI employed in educational institutions by students?






Education Impact

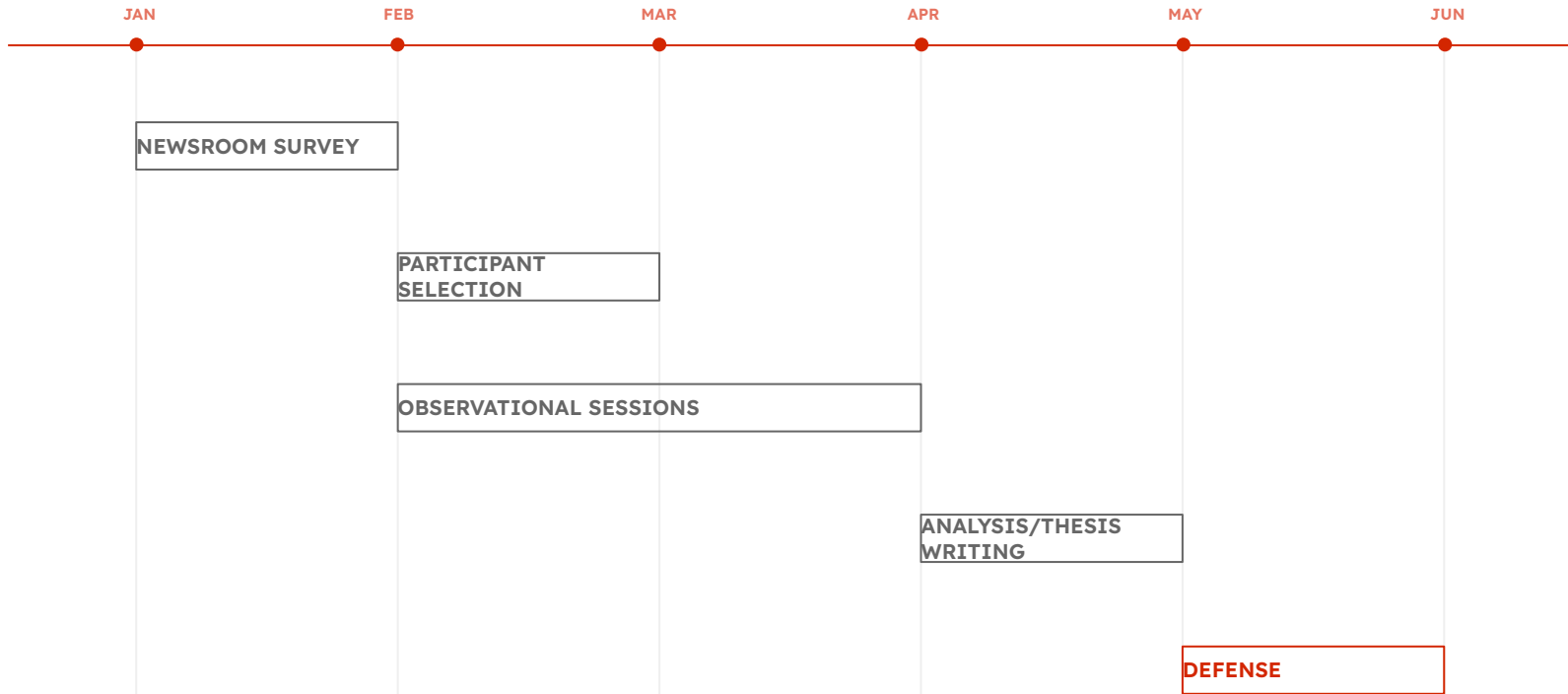
What does a high level of reliance on external tools do for cognitive skill development?

Research Questions

- 1) How do **pre-professional** journalists integrate **AI** into their **workflow**?
 - 2) How does the level of knowledge about AI applications and general technology savviness affect **integration into their writing process**?
 - 3) What are the **broader implications** for journalistic ethics and future guidelines around **sustainable AI implementation**?
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Methods

-  **1** Newsroom Survey of Brown & White
-  **2** Observational Think-Aloud Session
-  **3** Content Analysis



Study Timeline

STUDY DESIGN