Al Literacy for News Reporting

Journalism & Women Symposium CAMP 2023



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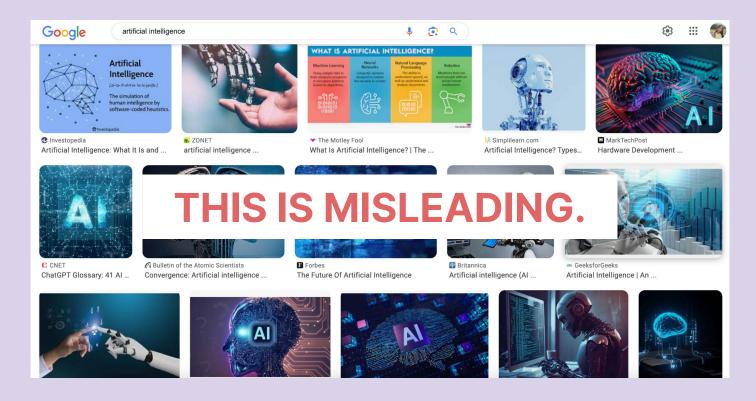
What do you think artificial intelligence (AI) is?

What does it do? How does it work? Where are you most aware of it in daily life?

Please take a Post-it note, write down your thoughts, and put it on the board!



So what is Al and how does it work?

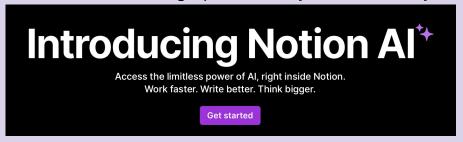


So what is Al and how does it work?

- Al is not one thing it's a set of technologies
- Used to automate and scale things ("Al-assisted")
- "Al" is a rhetorical device and can be **framed** by the media in many ways
 - We can look at how climate change and nuclear power were framed by politicians and commentators (Nisbet, 2009)

Some framings of AI in the wild

Al to turbocharge productivity and creativity



Al to preserve the human touch

More than an Al detector Preserve what's human.

We bring transparency to humans navigating a world filled with AI content. GPTZero is the gold standard in AI detection, trained to detect ChatGPT, GPT4, Bard, LLaMa, and other AI models.

Al to automate people's work

The technical potential for automation in the US

Many types of activities in industry sectors have the technical potential to be automated, but that potential varies significantly across activities.

Technical feasibility: % of time spent on activities that can be automated by adapting currently demonstrated technology

Managing others















Which one is it then?

Which one is it then?

... it's complicated

Like any other technology, what Al is also about:

whose interests it represents

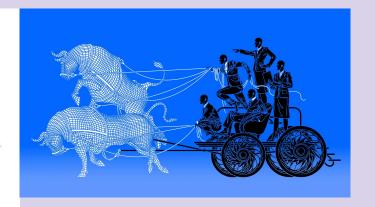
what it's used for

who gets a say

who is excluded

Here's one realistic way to look at it

So, I would like to propose another metaphor for the risks of artificial intelligence. I suggest that we think about A.I. as a managementconsulting firm, along the lines of McKinsey & Company. Firms like McKinsey are hired for a wide variety of reasons, and A.I. systems are used for many reasons, too. But the similarities between McKinsey—a consulting firm that works with ninety per cent of the Fortune 100 and A.I. are also clear. Social-media companies use machine learning to keep users glued to their feeds. In a similar way, <u>Purdue Pharma</u> used McKinsey to figure out how to "turbocharge" sales of OxyContin during the opioid epidemic. Just as A.I. promises to offer managers a cheap replacement for human workers, so McKinsey and similar firms helped normalize the practice of mass layoffs as a way of increasing stock prices and executive compensation, contributing to the destruction of the middle class in America.



https://www.newyorker.com/science/annals-of-artificial-intelligence/will-ai-become-the-new-mckinsey

How do you think about an Al system you might be reporting on?

Once upon a time we wrote a paper!

Motivations, Goals, and Pathways for AI Literacy for Journalism

MANDI CAI* and SACHITA NISHAL*, Northwestern University, USA

Science and technology news, which includes coverage on AI technologies, serves a plurality of functions for lay audiences today, such as education, agenda-setting, and curation. Reporting on AI is particularly challenging given the lack of transparency surrounding most black-box algorithms, and the rapid pace of progress in this domain. In addition to the difficulties specific to AI reporting, journalists' ability to report newsworthy information in a way that adheres to their professional norms of objectivity, accuracy, and transparency is increasingly challenged by institutional upheavals within their profession. In this workshop paper, we make a case for the importance of AI literacy among journalists, and lay out objectives for a curriculum designed to teach journalists about AI, and how they can approach reporting on it, given their prominent role in the dissemination of scientific information to the public.

https://www.sachitanishal.com/pdfs/2023-ai-literacy-chi.pdf

How can we report on Al?

You are still owed answers and transparency about AI, as with other decision-making processes

You would not shy away from opaque, confusing logic that was dictated by humans to make decisions, so why shy away from logic that was dictated by humans and implemented by a computer?

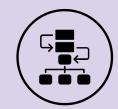
How can we report on AI?

Algorithm – a set of instructions, with criteria for decision-making

Input data













Output decisions (classifications, predictions) -

i.e. who is a "risky" loan candidate, which Spotify



Companies profit

What data is used to **train** the algorithms?

Who decided on which training data to use? (Who decided should always be asked)

If the training data is collected from people, how did they give their consent? Was it informed consent? What decisions are made by this algorithm?

Should it be making these decisions?

What **criteria** does it rely on to make these decisions? How is each criterion weighted?

Who do these decisions impact?

users will likely enjoy pop music

What feedback have you received from those who are impacted?

Do the people impacted have options for recourse?

Who is accountable when a system fails?

How do Al technologies fit into your business model?

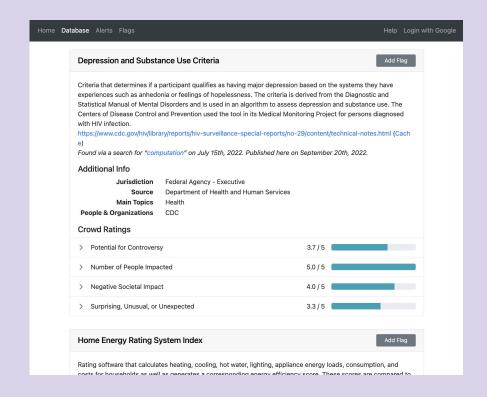
How much increased shareholder value do you attribute to Al technologies?

What work do you plan to automate, and which employees will be impacted?

How can we report on Al?

Algorithm Tips

http://algorithmtips.org/





Billy Perigio

The Workers Behind Al Rarely See Its Rewards. This Indian Startup Wants to Fix That



Szu Yu Chen, Rekha Tenjaria, Will Oremus, Tucker Harris
How to talk to an Al chatbot



Oversimplification, almost bait-y?



Oversimplification, almost bait-y?

Paris-based Mistral releases first generative AI model — and it's totally free

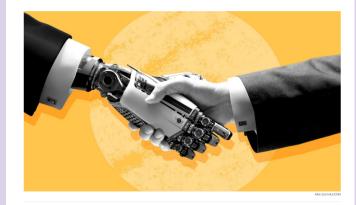
Small model, great conviction

September 29, 2023 - 1:05 pm

Cool story ... but this is not the dawn of Al democracy

Al may be as effective as medical specialists at diagnosing disease

Published 7:23 AM EDT, Wed September 25, 201



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Unfiltered content raises concerns

In the aftermath of its release, Mistral's 7B model faced significant scrutiny for its failure to filter out harmful and dangerous content. Independent tests conducted by Sifted demonstrated that the model readily provided step-by-step instructions on self-harm and harming others, a stark contrast to its competitors that consistently refused to provide such information. This discovery raised alarm bells and ignited a heated discussion on the responsibility of Al developers to ensure the safety of their models.

Al does not determine an inevitable future – there is no one guaranteed outcome here.

We all can (and should) play a role in shaping this future.

Let's think about Al together!

Based on what we discussed today and beyond, what would you ask or want to know about the technology proposed?

How would you pitch this to the editor?

What were your blockers in understanding the scenario, framing questions or pitching a story?

Link to tipsheet: