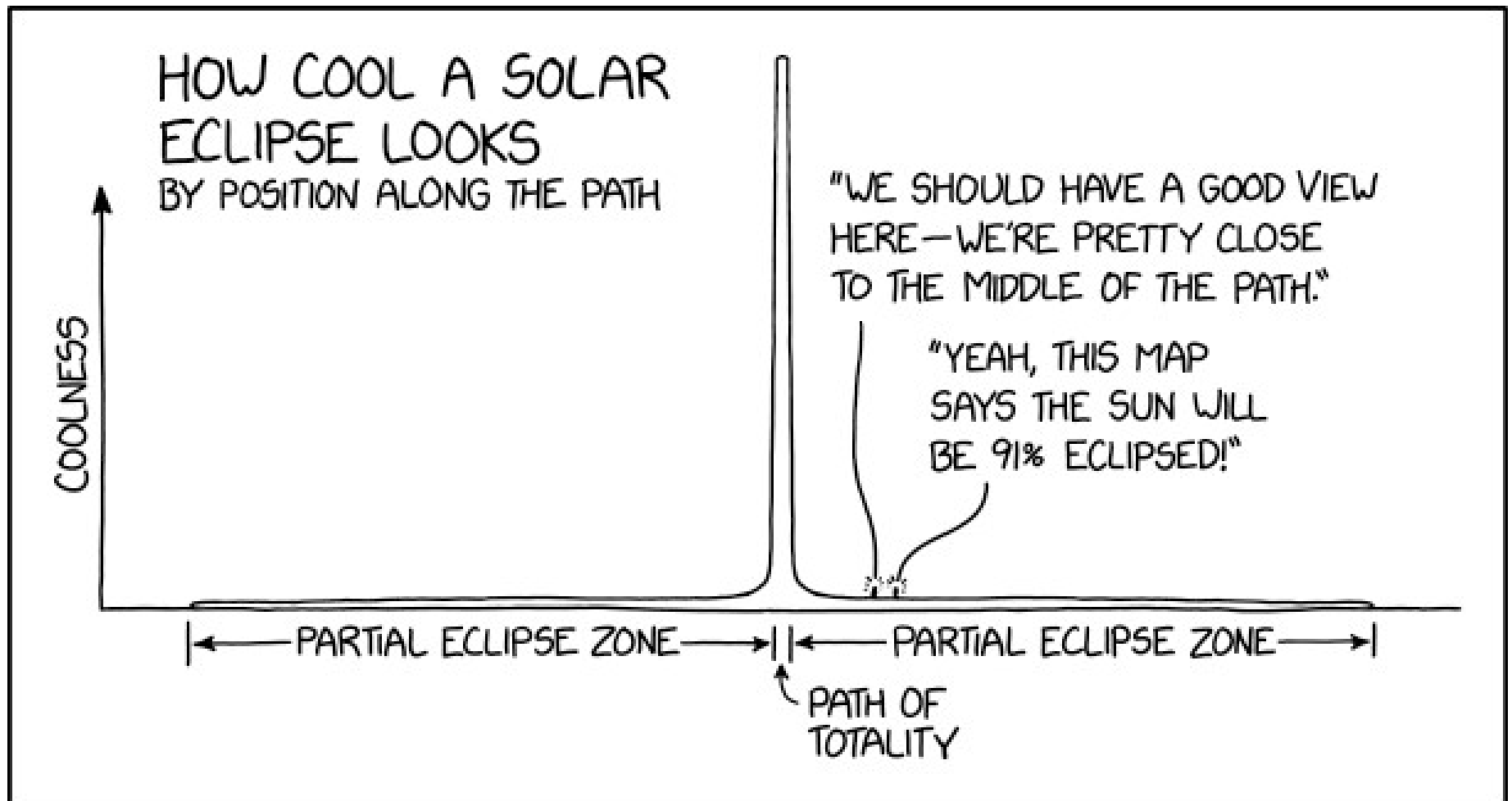


XI FORO LEAN & SIX SIGMA – 2024 – EL FUTURO DE L&SS



From Data Chaos to Process Progress: Moving the Needle with LSS & AI

Nicole Radziwill, Ph.D., MBA



> 98% VS 100% TOTALITY

» eclipse2024.org

**WEATHER
AUTHORITY**

**98% Totality
Augusta**

3:31 PM

**100% Totality
Jackman**

3:31 PM

<https://twitter.com/RyanWGME/status/1776763230842482742>

APRIL 5, 2024 | 6 MIN READ

How Ancient Humans Studied—And Predicted—Solar Eclipses

Dragon bones, mysterious carvings and simple math reveal ancient eclipses

BY LEO DELUCA

A. The 41-month pattern: $6 + 6 + 6 + 6 + 6 + 6 + 5 = 41$ months, or some 3.4 years, after a total or near-total eclipse, an almost identical eclipse occurs.

Or:

B. The 47-month pattern: $6 + 6 + 6 + 6 + 6 + 6 + 6 + 5 = 47$ months, or some 3.9 years, after a total or near-total eclipse, an almost identical eclipse occurs.

Then, after more time, these cultures found even more patterns. The Babylonians, for instance, noticed that after $A + A + B + B + B$, or 223 months (18.5 years), another identical sequence of eclipses occurred, called the Saros cycle. All these patterns, governed by the laws of planetary motion, were made

by simply observing the sky with the naked eye—so it's possible, or even likely, that these Maya, Chinese and Babylonian cultures had been using the six-five beat to predict eclipses even in prehistoric times, before written records. "I have no doubt that people could do this a few thousand years [prior] and then pass that information on orally," Aveni says.

Digital replica of the Antikythera Mechanism uncovers secrets of world's 'first computer'

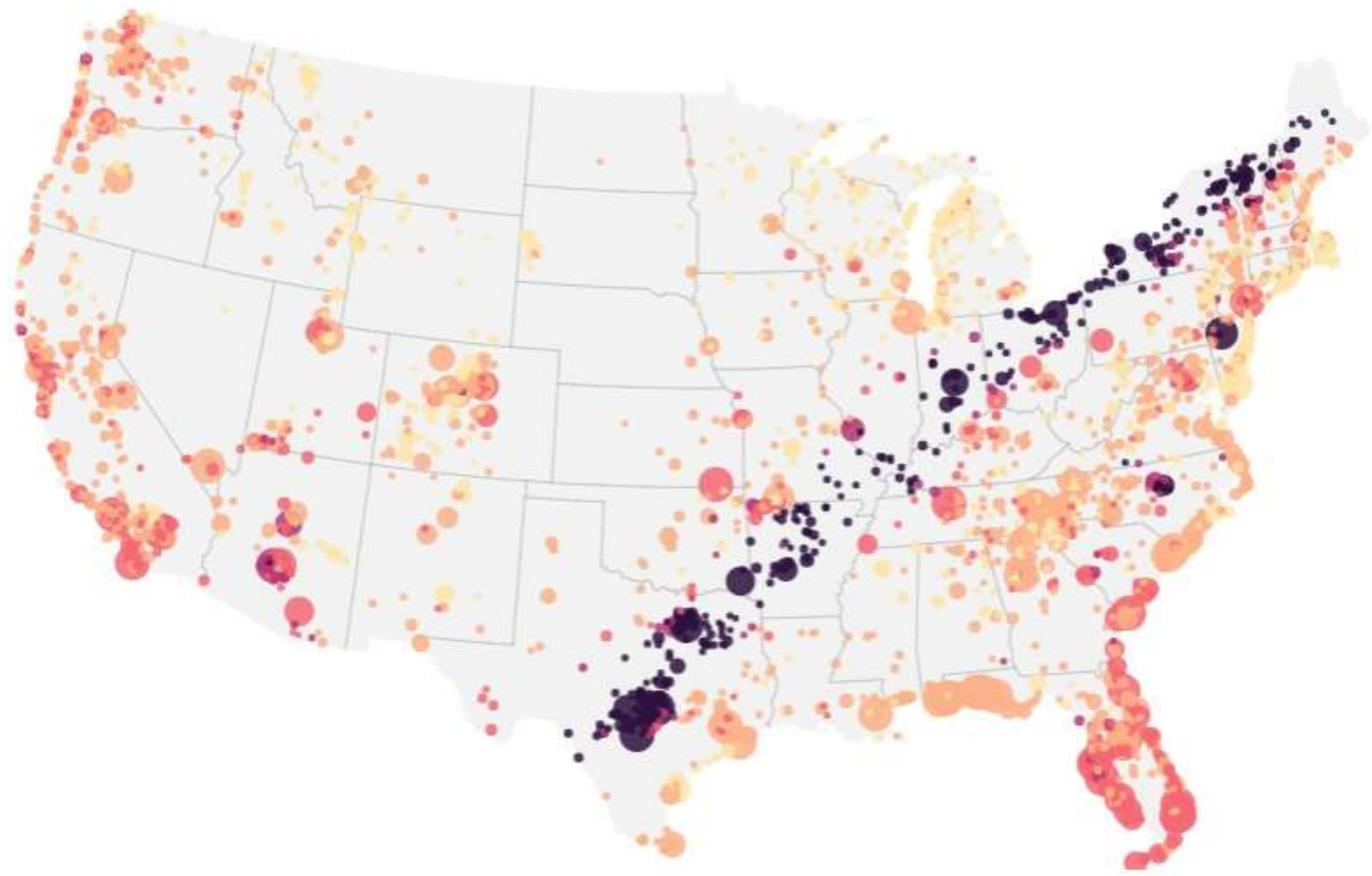
01 / 04 / 2021 · Andriana Simos



Digital replica of the Antikythera Mechanism. Photo: nature.com / UCL

<https://greekherald.com.au/culture/digital-replica-antikythera-mechanism-may-have-solved-mystery-worlds-first-computer/>

Bookings on April 7, 2024, among cities with at least 50 listings



Data: AirDNA; Map: Erin Davis/Axios Visuals

Don't expect data to change everything like magic

Many people joining the data science field harbor the belief that they're gonna help change how things work, make stuff magically better. Sadly, we all learn that it's much harder than that.



Building programs is slow work

If finding miracle silver bullets is rare and unreliable, then the only other way that data will change an organization is through stacking on improvements. In some aspects, this is a lot of the work that we normally do, an experiment here, a new process there, a new bit of infrastructure as needs arise, a refactor when things break. The individual effects may be small, but if you get new processes to stick, you might find compounding effects.

But at the same time, as you're probably familiar with, the impact of every little project will vary a lot. Sometimes you get a big effect, other times nothing changes. Other times the business goes up or down completely unrelated to whatever is going on with data work and that shift can noise out anything else you're doing.

Unless you have experience with how things were before data programs were initiated, and then **remember to compare the present with that past**, it's impossible to tell a improvement story let alone a transformation one. This places a time constraint on things – you need to have a big enough impact quickly enough that it's memorable.

Unless you are in a position to push projects through and not busy doing front line analysis work all the time, it's really hard to get velocity since all improvements gets interwoven with other work. That spreads out the projects over more and more time. Plus, how many opportunities do you have to embark on an unbroken 2-4 year program in your career?

Agile Transformation

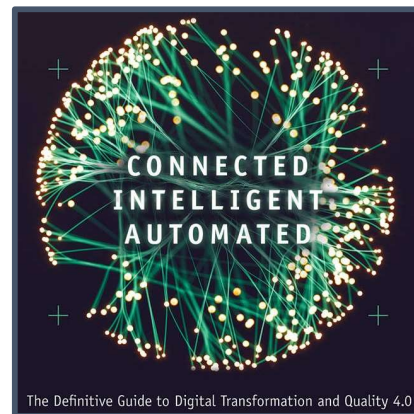
Installing **habits and practices** that enable teams to effectively **respond to change and shorten time-to-value.**

Lean Transformation

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ASQ Quality Press & Amazon (US, UK, DE)



Ergest Xheblati • 1st

Data + Business | Author: Minimum Viable SQL Patterns |...

3h •



When I was a data analyst there was one task I absolutely dreaded having to do. "Hey Ergest, sales are down 5% what's going on?"

Why did I hate it?

Every time this happened I had to dig through the sales funnel from paid ads to website conversion, to lead qualification, to sales conversion, etc. Everytime there would be more questions or something I had missed.

Sure I would save all the queries for next time but it was a chore. It would take a couple of days and often I didn't have a definitive answer. If I missed something I would look incompetent.

This of course is called root cause analysis and every data analyst or scientist has done it at some point in their careers. So why do I bring it up?

Well if I had taken the time to develop a fully fledged metrics tree 🌲 I could do root cause analysis in minutes not days! Yes it would take some time to develop but it's a one time effort.

Nowadays when doing consulting on the side, I regularly help companies build not just a metrics tree but also a dashboard tree which houses many metrics trees and develop a weekly practice to review key metrics in the business. Root cause analysis happens regularly and analysts can focus on more valuable projects.

Lyft shares soar 67% after worker's TYPO adds an extra zero to projected profit margins - forcing an apology from the CEO: 'My bad'

- **Mistake overstated - by a factor of ten - how much faster profits will rise in 2024**
- **Minutes after, Lyft's stock price skyrocketed 67 percent but soon fell down**
- **CEO apologised: 'This was a bad error, but it was one zero in a press release'**

By ISHITA SRIVASTAVA FOR DAILYMAIL.COM and DANIEL JONES, CONSUMER EDITOR FOR DAILYMAIL.COM

PUBLISHED: 12:25 EDT, 14 February 2024 | **UPDATED:** 15:53 EDT, 14 February 2024



 **2**
View comments

Lyft stock jumped 67 percent after the bell Tuesday thanks to a typo in the the ride-hailing company's earnings release.

The mistake overstated - by a factor of ten - how much faster profits will rise this year and sent investors' algorithms into a buying frenzy.

But Lyft quickly clarified that a decimal point had been put in the wrong place - meaning that, while the profit margin will rise in 2024, it won't be so dramatic.



BC Tribunal Confirms Companies Remain Liable for Information Provided by AI Chatbot

Lisa R Lifshitz and Roland Hung

Feb 29, 2024 ⌚ 3 min read



Internet Law & Cybersecurity

Dispute Resolution

Artificial Intelligence

Canada

Business Litigation & Dispute Resolution

Summary

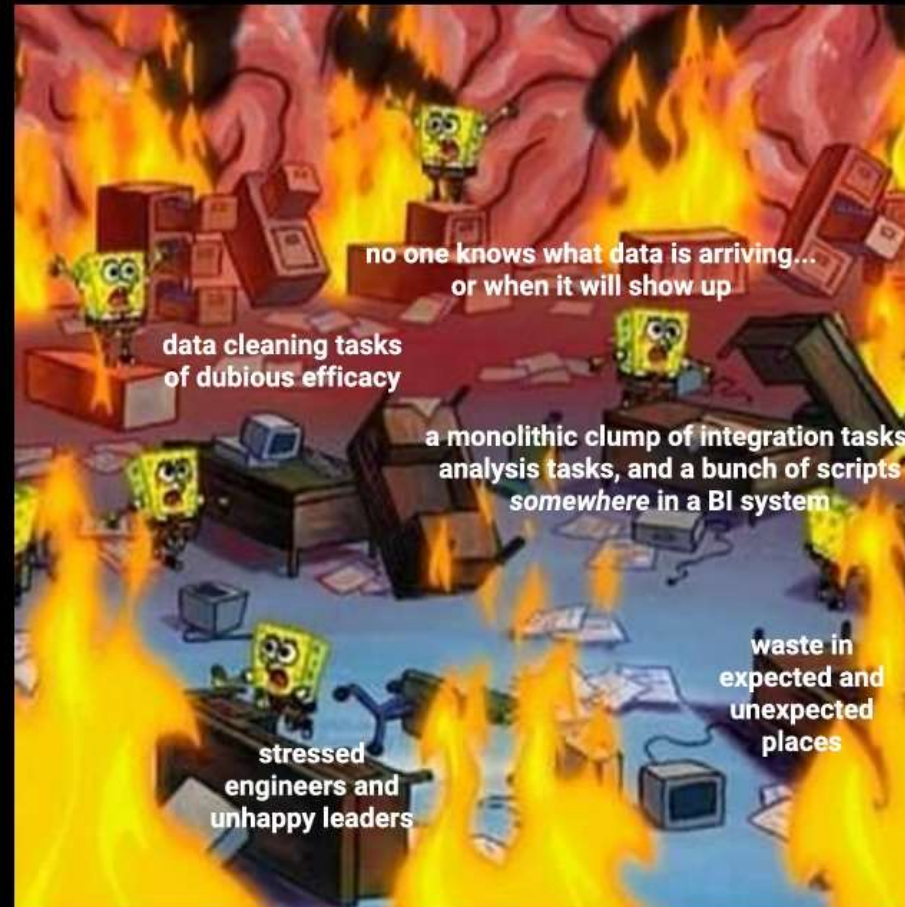
- In *Moffatt v. Air Canada*, the British Columbia Civil Resolution Tribunal found Air Canada liable for misinformation given to a consumer by an AI chatbot on its website and awarded damages.
- The AI chatbot provided the consumer with incorrect information about the airline's policy for discounted bereavement fares. When the consumer submitted his application for a partial refund following the chatbot's information, Air Canada refused.
- The Tribunal found in favor of the consumer's claim of negligent misrepresentation. Though Air Canada endeavored to argue that the chatbot was a separate legal entity responsible for its own actions, the Tribunal found that Air Canada still bore responsibility for all the information

“What the large language models are good at is saying what an answer should *sound like*, which is different from **what an answer should be.”**

Rodney Brooks, former Stanford professor & serial AI entrepreneur at <https://spectrum.ieee.org/amp/gpt-4-calm-down-2660261157>

WHAT YOU HAVE

unhappy business users lose time and miss revenue producing opportunities because they can't find the data they need



no one knows what data is arriving...
or when it will show up

data cleaning tasks
of dubious efficacy

a monolithic clump of integration tasks,
analysis tasks, and a bunch of scripts
somewhere in a BI system

waste in
expected and
unexpected
places

stressed
engineers and
unhappy leaders

a bunch of loaders that might have integration tasks and
quality checks in there too, but no one knows for sure



MOTHERBOARD
TECH BY VICE

Facebook Doesn't Know What It Does With Your Data, Or Where It Goes: Leaked Document

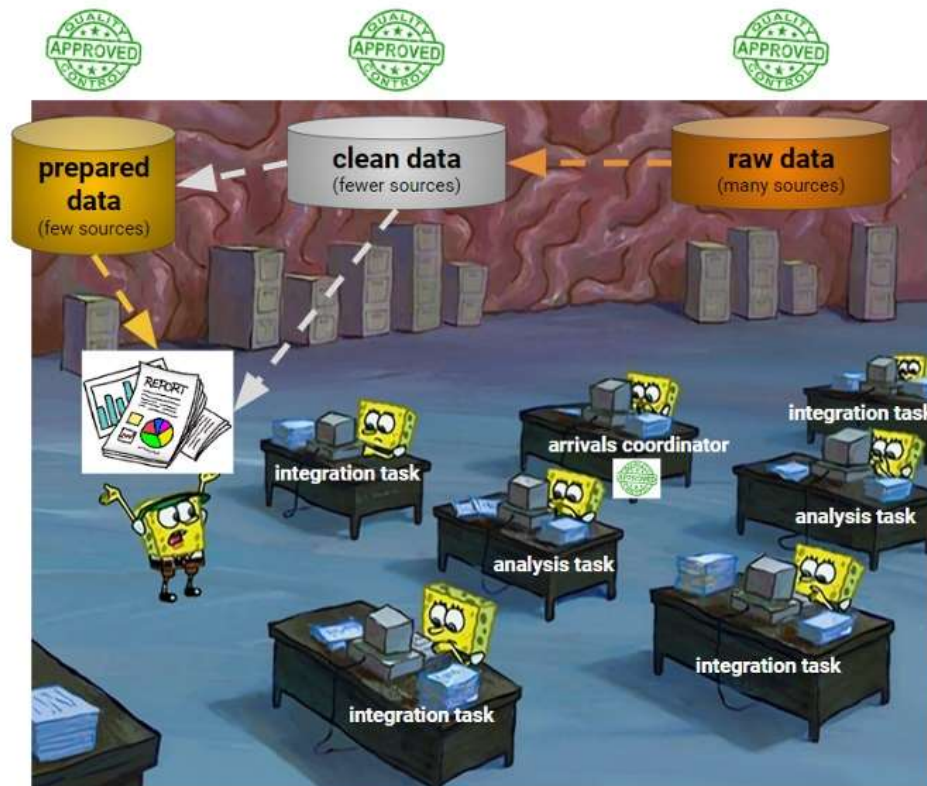
"We do not have an adequate level of control and explainability over how our systems use data," Facebook engineers say in leaked document.



By [Lorenzo Franceschi-Bicchieri](#)

April 26, 2022, 9:02am [f Share](#) [Tweet](#) [Snap](#)

WHAT YOU NEED



- ✓ Substantially lower development and maintenance costs for data management systems and governance
- ✓ Trustworthy reports, dashboards and data products
- ✓ Data quality controls that help you respond to issues quickly and detect emerging issues before they impact customers
- ✓ Streamlined data flows & more maintainable systems

“CLEAN” MEANS:

- ☑ You know where the raw data came from
- ☑ You know how it was cleaned and transformed
- ☑ You've created objects that are meaningful to the business

- ☑ You are confident that people SEE and PERCEIVE the **analytics** in the same way
- ☑ You are confident that people SEE and PERCEIVE the **PROCESS** in the same way

SCIENCE

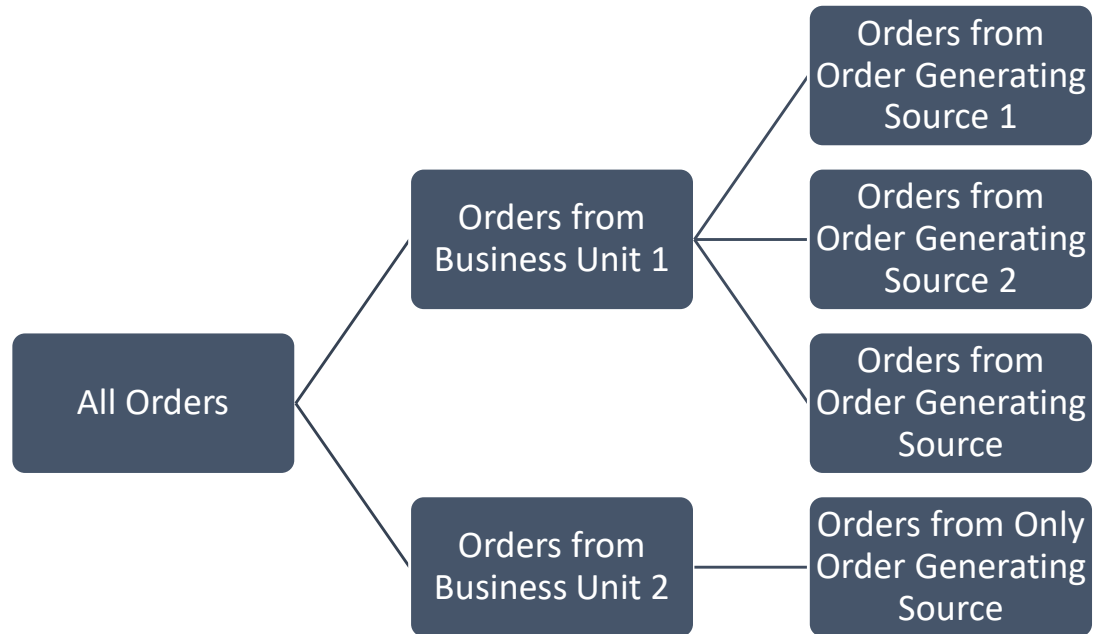
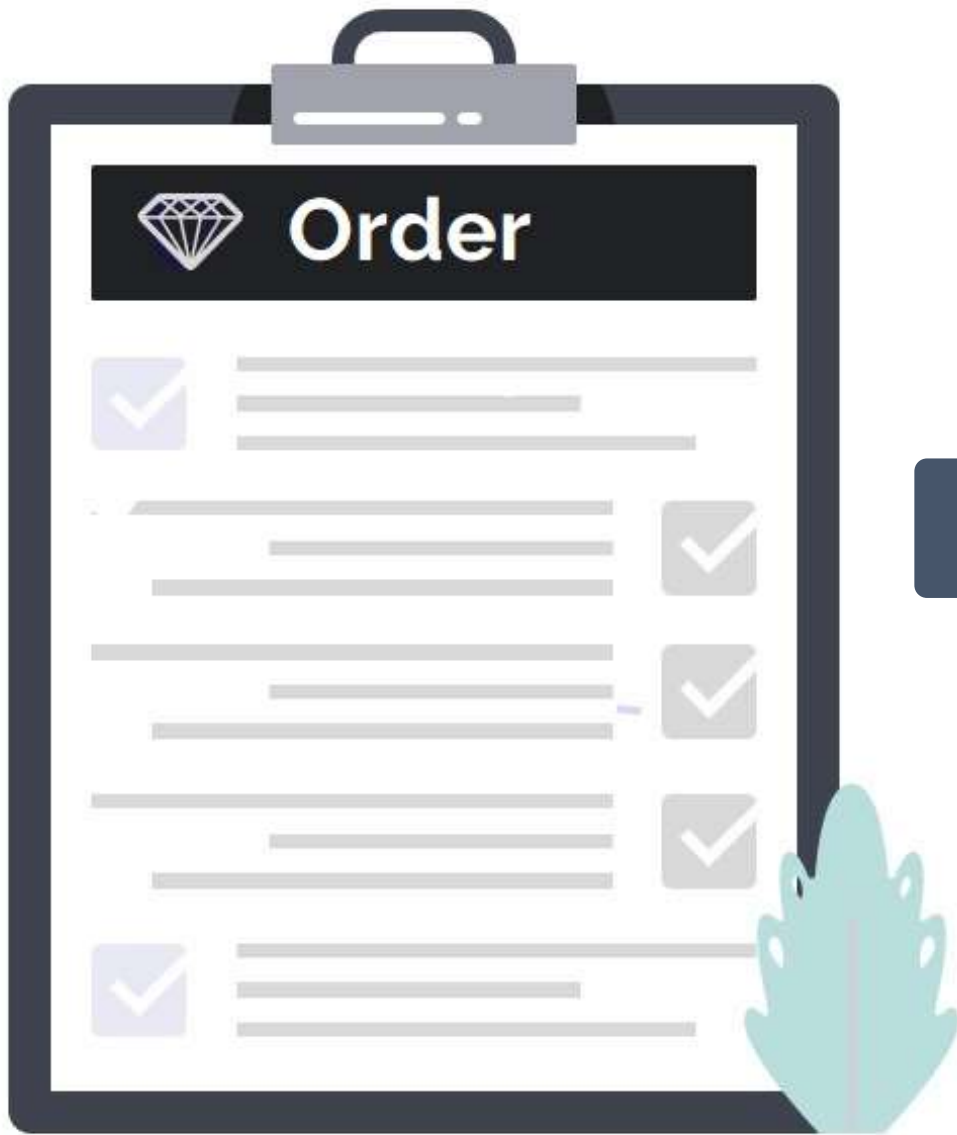
We Finally Know Why People Saw “The Dress” Differently

Remember “the dress”? It disrupted our understanding of color, and, yes, it took science two years to catch up.

BY PASCAL WALLISCH | MARCH 27, 2023 • 6:45 PM



Remember? Slate



data integrity requires process integrity

Sam Livingston-Gray Retweeted



Gregor
@ghohpe



Your average enterprise transformation...

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HEALTH TECH

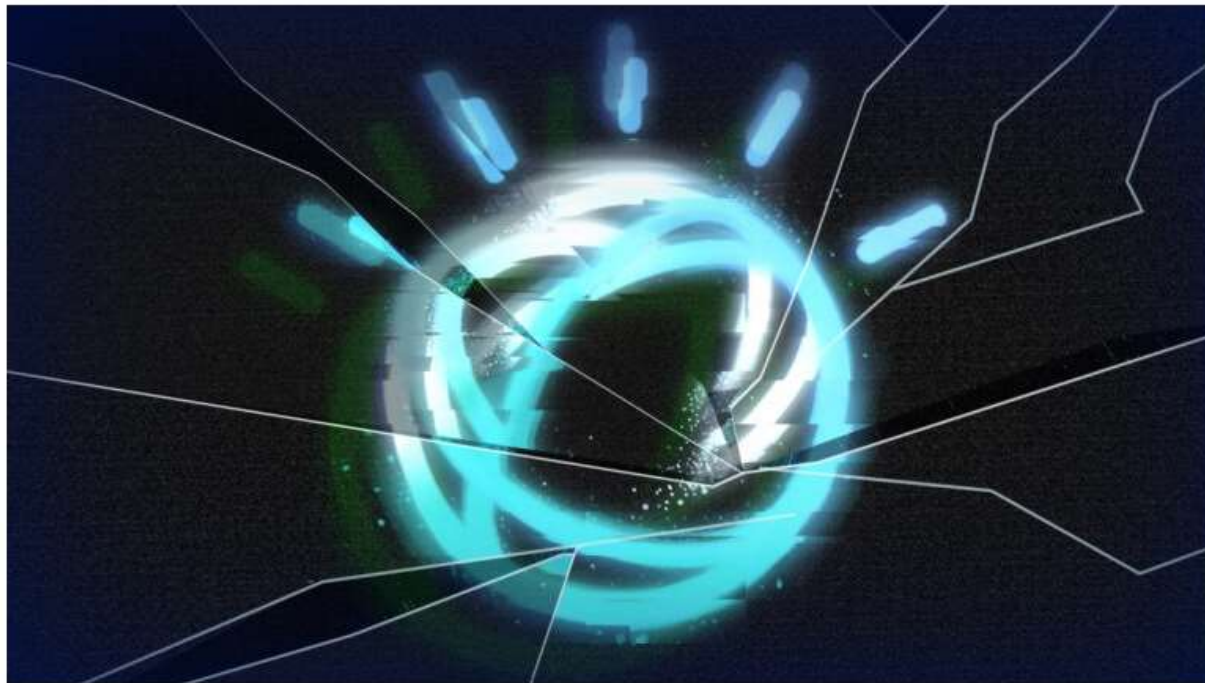
STAT+

Once billed as a revolution in medicine, IBM's Watson Health is sold off in parts



By [Casey Ross](#)  Jan. 21, 2022

[Reprints](#)



HYACINTH EMPINADO/STAT; EROS DERVISHI, FOR STAT

“ IBM tried to bypass that by buying other companies with successful AI medical products, to absorb their goodness, but Watson consistently rejected the transplants.

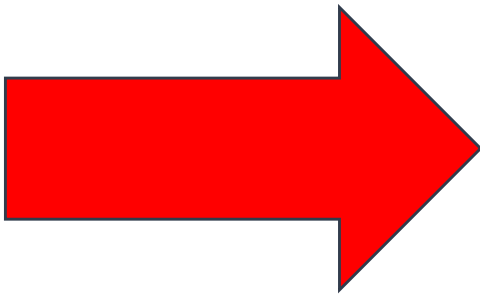
American professional body for electronic engineering, reported that around 50 partnerships had been announced since launch between IBM Watson and healthcare organisations.

It listed 20 of the highest profile ones, with such august bodies as the Mayo Clinic, American national organisations for cancer, cardiology and oncological research, and numerous hospitals and companies. None had produced usable tools or apps.

At the time (we can't speak to today), Watson Health didn't seem to work. It is usually possible to fudge such misfortune in business technology, because stats can be dressed up, returns on investment left agreeably fuzzy, and sufficient figleaves plucked and donned for CIOs to move on without shame to the next failure. Medicine uses real statistics. It publishes. It checks outcomes, because it's not selling widgets, it's trying to keep people not dead, ideally happily so.

When clinical trials were published, Watson came up short every time. It didn't matter what field it was in, it consistently scored less well than human clinicians – sometimes under 50 per cent – and demonstrated some alarming blind spots in suggested treatments. Medical professionals had enough to worry about without babysitting a broken AI: it got dropped.

Source: https://www.theregister.com/2022/01/31/machine_learning_the_hard_way/



**Good AI requires good data, and
solid processes produce good data**

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Solid processes require **habits & practices that help organizations achieve their goals**

(including retrospective verification: *remember IBM Watson!*)

**“Analytics is the
best way to debug a business.”**

Ergest Xheblati, Data Expert & Author



DAVID HEINEMEIER HANSSON

April 18, 2023

How to continue making kerosene lamps on the eve of electricity

The recent and rapid advance of AI has rightfully given many in software real doubts about the future of their profession. I'd probably still wager that the fears are overstated – that we also got prematurely euphoric about the imminent prospects of self-driving cars – and that AI generating code is different from it evolving existing systems. But I wouldn't want to bet the house on it. This might just be The Big One.

That uncertainty, whether we truly are on the cusp of a total transformation, is a surprising novelty to me, despite thirty years in software. We've been through so many breathless predictions about how this or that advancement in software would simply "Change. Everything. Forever." that a certain pessimism would be perfectly reasonable.





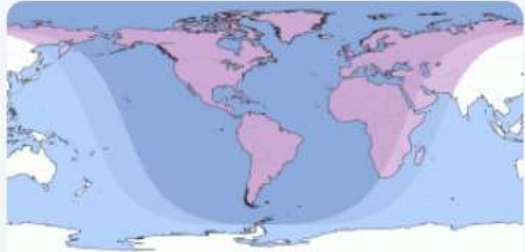
¡MUCHAS GRACIAS!

Nicole Radziwill

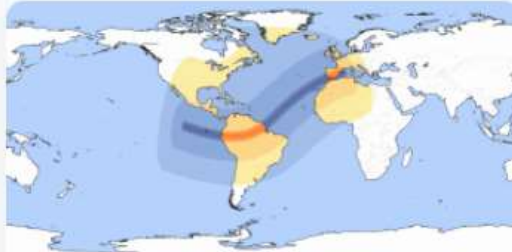
<https://www.linkedin.com/in/nicoleradziwill>

nicole@qzuku.com

Next Eclipses in San Jose



Penumbral Lunar Eclipse
12 Jan 2028

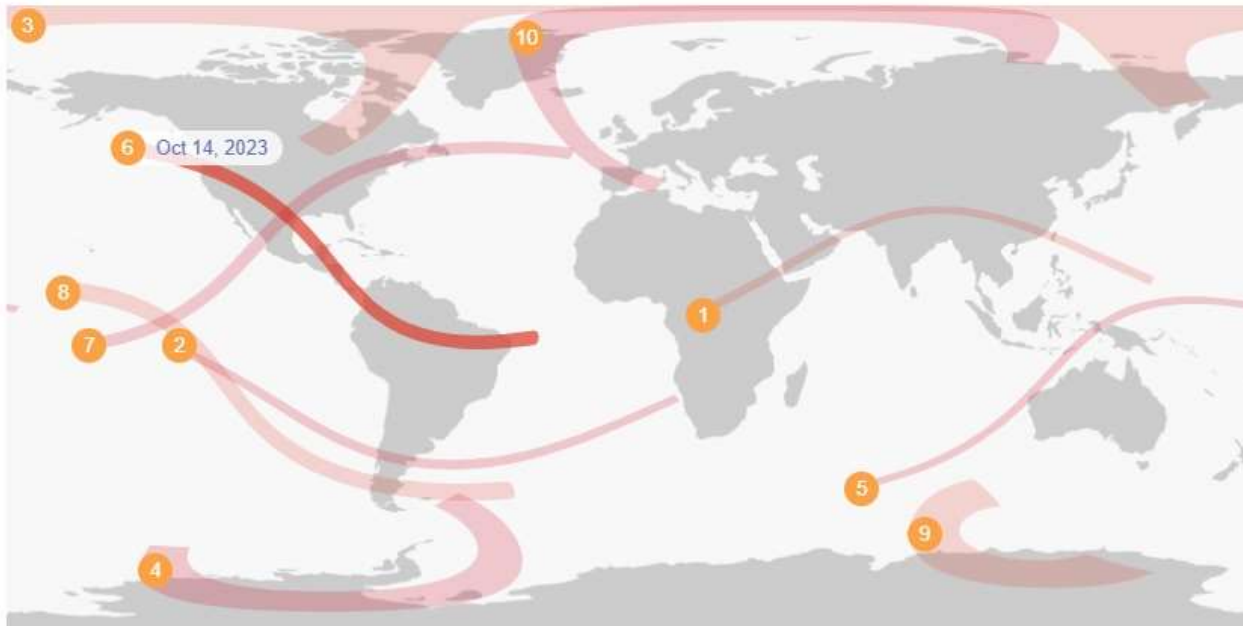


Partial Solar Eclipse
26 Jan 2028



Partial Solar Eclipse
14 Jan 2029

2020–2029 Featured Eclipses



Solar		Lunar
1	Jun 21, 2020	Annular Solar Eclipse
2	Dec 14, 2020	Total Solar Eclipse
3	Jun 10, 2021	Annular Solar Eclipse
4	Dec 4, 2021	Total Solar Eclipse
5	Apr 20, 2023	Total Solar Eclipse
6	Oct 14, 2023	Annular Solar Eclipse
7	Apr 8, 2024	Total Solar Eclipse
8	Oct 2, 2024	Annular Solar Eclipse
9	Feb 17, 2026	Annular Solar Eclipse
10	Aug 12, 2026	Total Solar Eclipse

timeanddate.com/eclipse