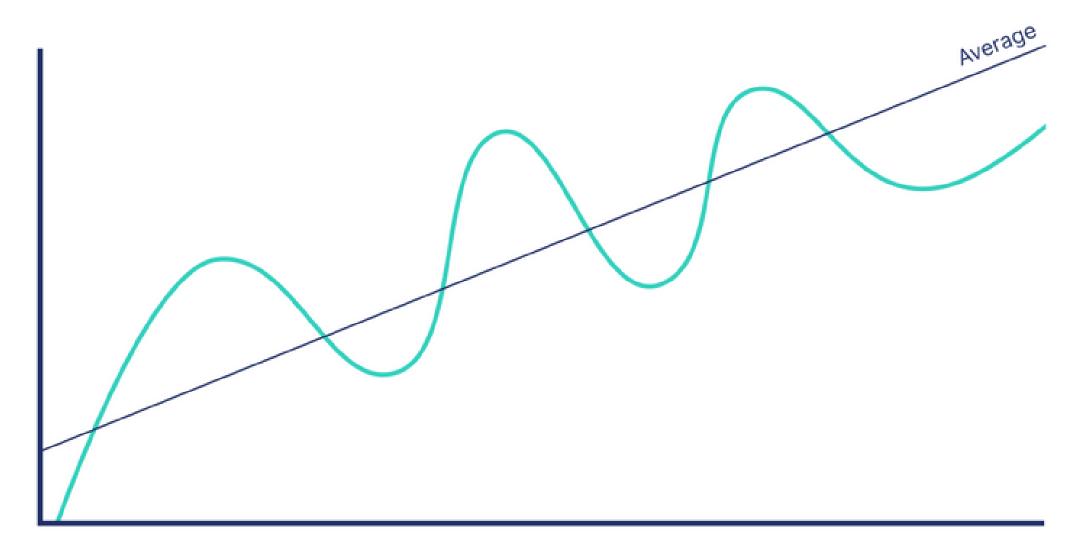
Regression to the mean

A statistical phenomenon that describes how variables with outliers on the first measurement are often closer to the mean when measured again.







Data Storytelling and Communication Skills for Data Leaders in the Era of Al

Chris Carter



1. From Complex AI Insights to Compelling Narratives

2. Building Trust and Credibility in Al Outcomes

3. Balancing Transparency with Simplicity



A little bit about me...

Head of Data & Analytics
Al Centre of Enablement



A little bit about me...

Rugbynomics

Using Data to Tackle Rugby's Biggest Myths and Misconceptions

Available on Amazon and at all good book stores!



"No one ever made a decision because of a number. They need a story."

Daniel Kahneman

1. From Complex Al Insights to Compelling Narratives

Know your audience and their 'so what'

Executive

What is the strategic impact and potential risk of this?

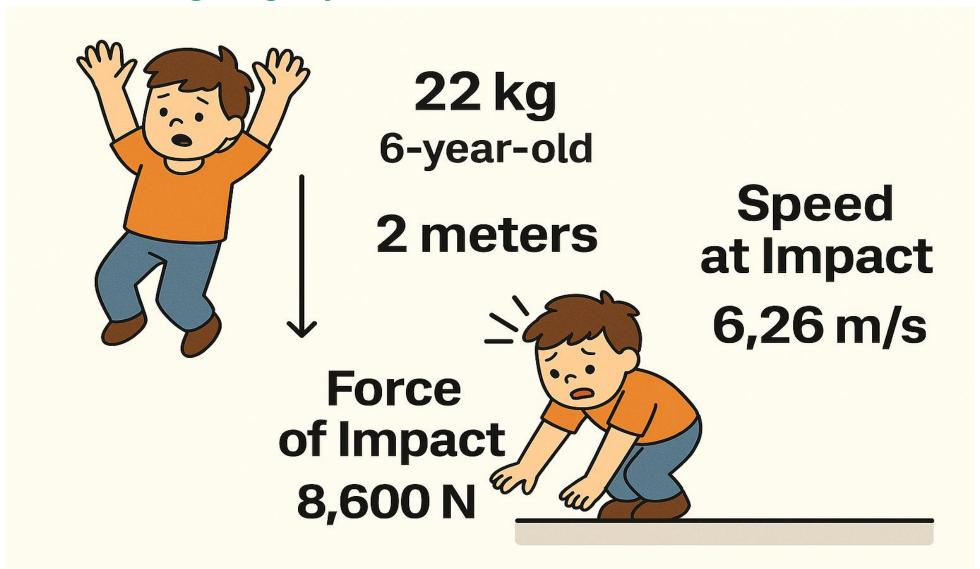


Frontline employee

How can this help me in my dayto-day work?

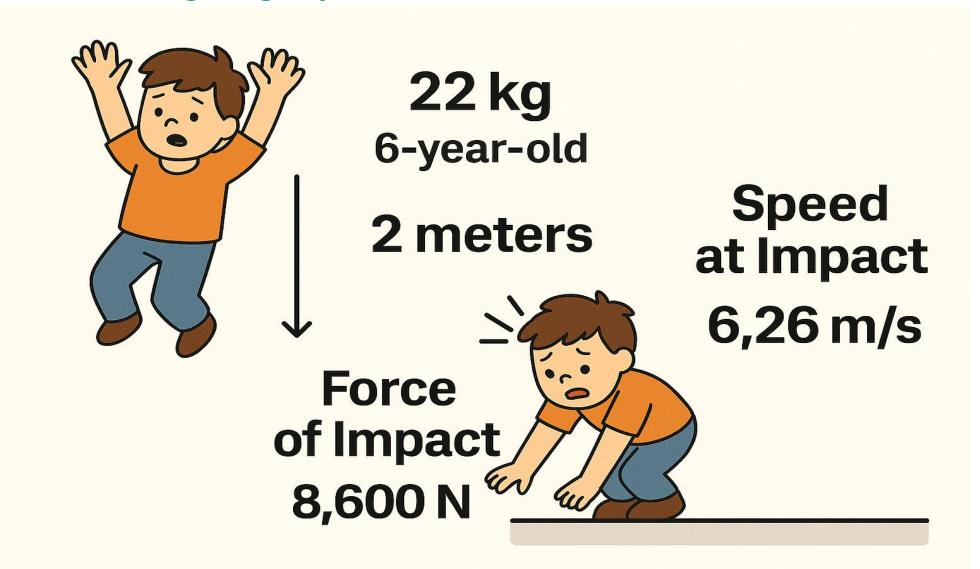


Speak the language your audience wants to hear





Speak the language your audience wants to hear



Use everyday terms

From:

Regression

p-value = 0.05

RAG

Non-deterministic output

K-means clustering

To:

Predicted future sales based on past performance

We are 95% sure that this result wasn't by chance

A model that can incorporate up to date information

The models results may vary slightly

Groups of similar individuals

'Humanise' the data



Outlier analysis





2. Building Trust and Credibility in Al Outcomes







Australian politics

Deloitte to pay money back to Albanese government after using AI in \$440,000 report



WILLAROBOT STEAL YOUR JOB?

R INTRUDER clear weapons'

uipuodsa se, furnis

Robots will dest

number of jobs

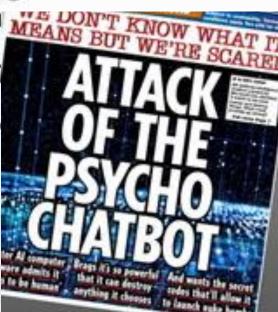
Forbes

What Air Canada Lost In

'Remarkable' Lying AI

Chatbot Case

mstances, however, whether goods ordered from u



Al could be used to TAKE OVER the through 'evil' fake nows and 11

Be Transparent



Acknowledge the uncertainty, but put it in context

Don't shy away from the uncertainty that exists in these Al-derived outcomes e.g.

- The model is 90% certain
- This prediction is less reliable for small customer segments

Be transparent about where the human is in the loop, and where the AI is 'black box'

Reference the data sources that the AI model was trained on. Is there potential for hidden biases from the underlying sources?

What checks and balances have been implemented?

- How is the model performing in the real world?
- Can you validate the results with specific examples?

Validating AI results

Automation

Replacing manual work



Augmentation and Innovation

Adding incremental value



Validating automation results

Promotional video of suspected scam



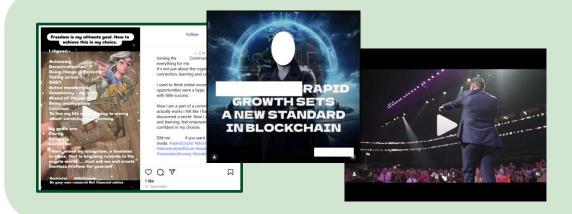
Get video's transcript with Al



Al analysis for scam markers



Report recommended prioritisation to the team





Output: Text > | []

Question: Is there an implication of financial gain in the text and if so, how much money?

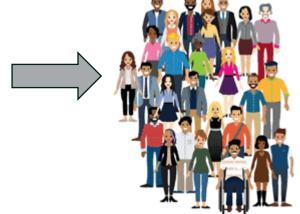
Answer: Yes, the document implies significant financial gain potential. It mentions possibil

Answer: Yes, the document implies significant financial gain potential. It mentions possibilities such as making thousands of percent in a short time in the meme coin market, an example of buying Solana in 2020 for \$1,000 and selling a year later for \$133,934, and potential gains of 10X, 50X, or even 100X. It also references daily transaction fees potentially burning around \$140,000 per day, and a community coin that grew over 11,000% in two years. Additionally, it discusses commissions, bonuses, and rewards tied to investment packages ranging from \$50 to \$10,000, with doubling promotions and various income opportunities.

Validating augmentation and innovation results

From:

Segment	Members	Model Ave. ROI
А	1,263	\$4.13
В	15,894	\$2.53
С	28,678	\$1.35
D	22,549	\$1.10

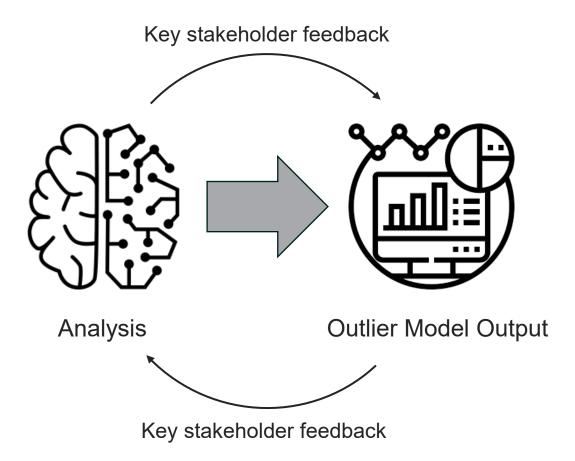


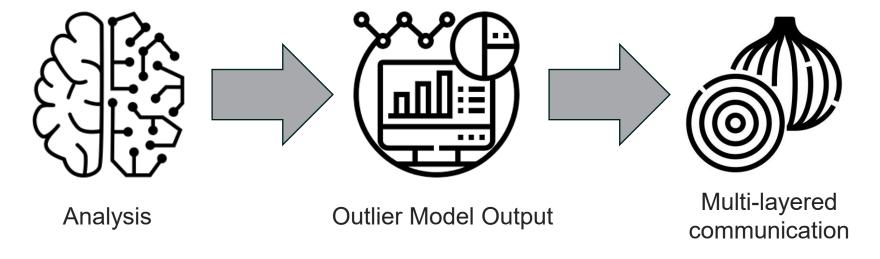
To:

- Highest social media presence
- Average 2.4 kids in household
- Above average to high income
- Live within 2km radius of store
- Very responsive to promotions

Acknowledge the uncertainty, but put it in context







Executive Leadership Team:

Faster and more accurate decision making = higher productivity

Managers:

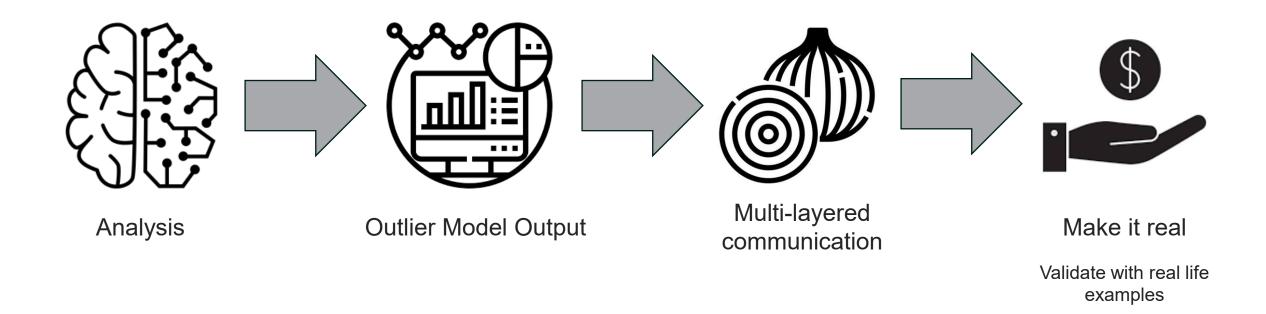
We've validated these results on previous years data. In our estimation this will free up ~10% of frontline staff time

Frontline staff:

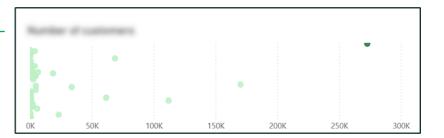
We've listened to your feedback on usability

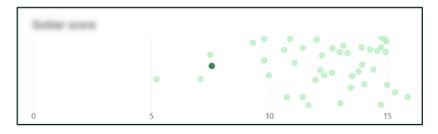
This will free up your time for more interesting work

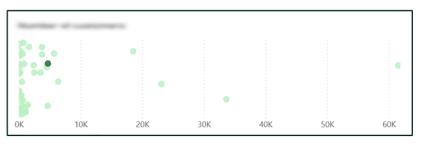
This works alongside your expertise

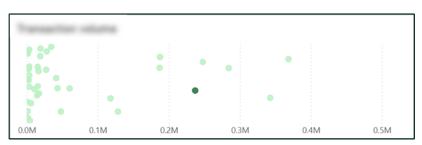


FSPNumber	FSPName	Tier	Outlier Score
***	THE THE BUT WAS ARREST WITH	А	15.87
		Α	15.34
		Α	15.00
		В	14.97
		В	14.94
		Α	14.88
		Α	14.75
		Α	14.75
		С	14.74
		А	14.60
		В	14.42
		А	14.29
		Α	14.04
		А	13.95
		В	13.92
		А	13.79
		Α	13.53
		В	13.47
		С	13.33
		В	13.15









"The human mind is a story processor, not a logic processor.

Jonathan Haidt

Thank you!