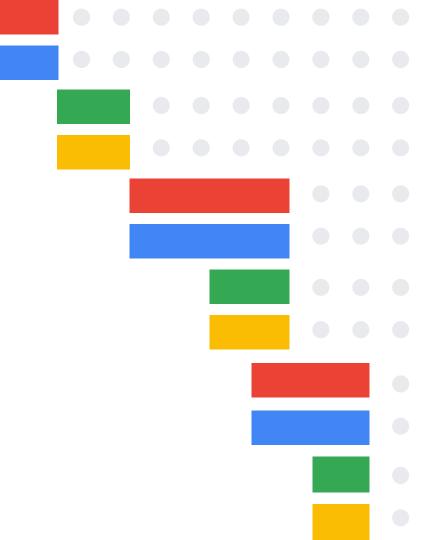
Demystifying Al

HSMAI, Nov 2023



Internal use



Ben Heller

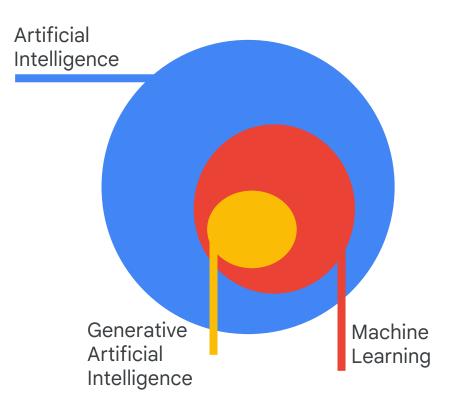
Al Transformation Manager @ Google Cloud

Agenda



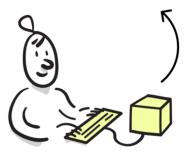


Artificial Intelligence is a discipline; machine learning and generative Al are specific ways of solving Al problems.



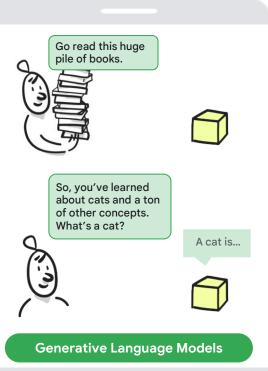
The Path to Generative Language Models

type: animal
legs: 4
ears: 2
fur: yes
likes: yarn, catnip



Traditional Programming

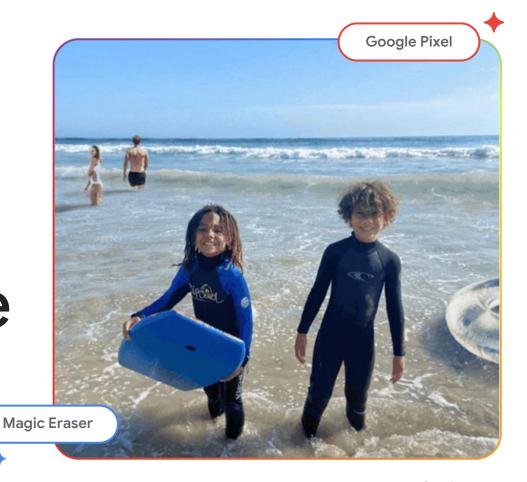




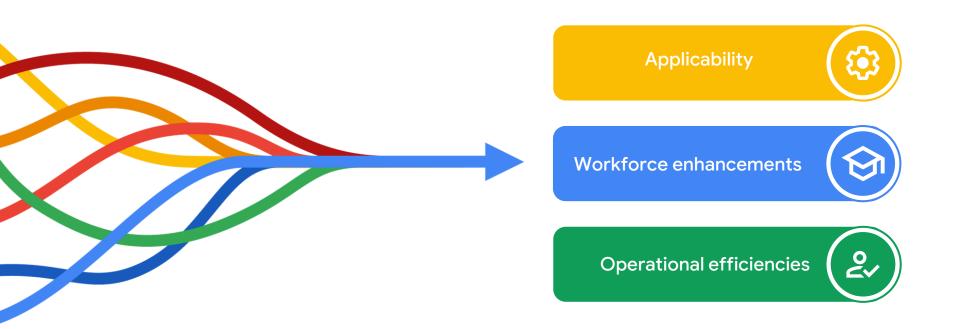


Bringing magic to everyday life





So why is everyone so excited?



CUSTOMER FACING

Advertising and Content Production

Assisted Customer Experiences

GenAl has many applications across the organization





Presentations and prototyping

Knowledge Management

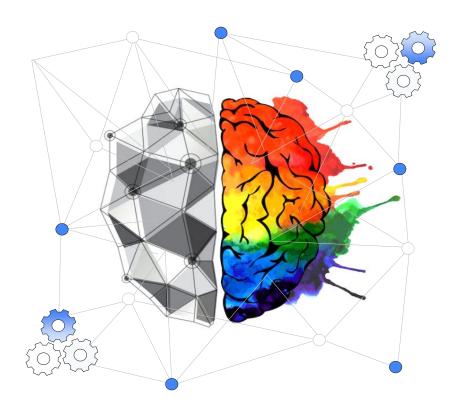
INTERNAL FACING

Survey of 1,300 execs:



Companies generally have longer to respond than they expect, and an effective response is available to them.

Content & Creative Production with Gen Al



GenAl represents

a functional change in
both creative capabilities
and those who can create.



Text-to-image

Image generation — Generate images from text descriptions or other images

E.g. Imageni



A photo of a corgi riding a bike in Time Square. It is wearing sunglasses and a beach hat.

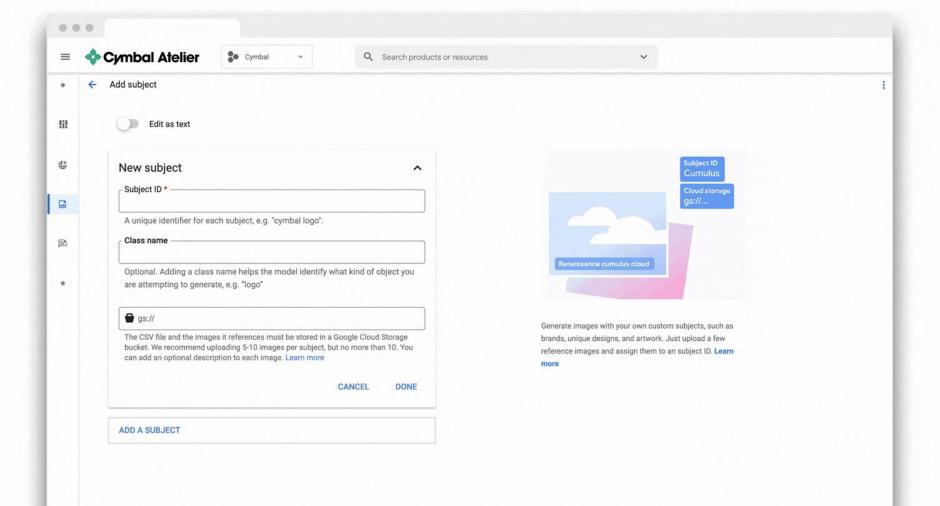
Personalized, targeted content outperforms generic campaigns.

Al can speed, scale, and simplify building it.



expect brands to understand their unique needs and expectations.

Source: Insider Intelligence, May 2022



GENERATE





Brownbag23 on a rooftop bar in New York City, nighttime, dramatic lighting, background out of focus, product photography



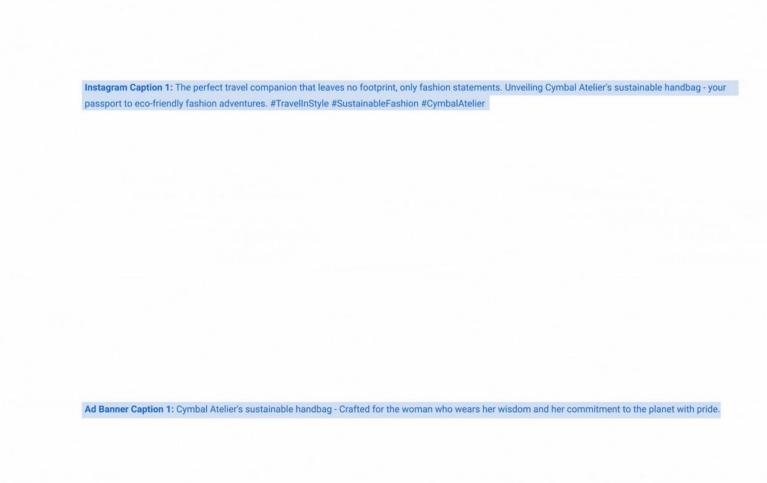
Brownbag23 covered in dust on the edge of a cliff, with the grand canyon in the background, product, photography, sunight, lens flare



Beach with a palm tree and Brownbag23 on a towel, clear blue ocean in the background, product photography



Brownbag23 next to a stack of leather-bound books on a mahogany bookshelf in a luxurious study, zoomed product photo with dim lighting



Customer Callout ☆ ② ⊘
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	Michael Davis	mike.d@cymbalgroup.com	Dallas	TX	
	Jennifer Wilson	jen.w@cymbalgroup.com	Miami	FL	
	Chris Taylor	chris.t@cymbalgroup.com	Boston	MA	
5	Jessica Moore	jess.moore@cymbalgroup.com	Philadelphia	PA	
8	Jason Johnson	jason.j@cymbalgroup.com	Seattle	WA	
	Sarah Miller	sarah.m@cymbalgroup.com	Austin	TX	
	Brian Martinez	brian.m@cymbalgroup.com	San Diego	CA	
	Megan Anderson	megan.a@cymbalgroup.com	Denver	co	
)	Kevin Thomas	kevin.t@cymbalgroup.com	Atlanta	GA	
1	Nancy Rodriguez	nancy.r@cymbalgroup.com	Phoenix	AZ	
2	John Doe	john.doe@cymbalgroup.com	Los Angeles	CA	
3	Emma Smith	emma.smith@cymbalgroup.com	Chicago	IL	
1	Alex Brown	alex.b@cymbalgroup.com	New York	NY	
	Lisa White	lisa.white@cymbalgroup.com	San Francisco	CA	
,	Mark Lee	mark.lee@cymbalgroup.com	Houston	TX	
7	Linda Harris	linda.h@cymbalgroup.com	Detroit	MI	
8	Paul Clark	paul.c@cymbalgroup.com	Portland	OR	
9	Susan Lewis	susan.l@cymbalgroup.com	Las Vegas	NV	
0	Karen Young	karen.y@cymbalgroup.com	San Antonio	TX	
1	James Hall	james.h@cymbalgroup.com	Indianapolis	IN	
2	Patricia Walker	patricia.w@cymbalgroup.com	Jacksonville	FL	
3	Robert Allen	robert.a@cymbalgroup.com	Columbus	ОН	
4	Mary King	mary.k@cymbalgroup.com	Charlotte	NC	
5	David Wright	david.w@cymbalgroup.com	San Jose	CA	
5	Jennifer Lopez	jennifer.l@cymbalgroup.com	Memphis	TN	
	Thomas Adams	thomas.a@cymbalgroup.com	Baltimore	MD	
3	Maria Martinez	maria.m@cymbalgroup.com	Oklahoma City	ок	
9	Steven Perez	steven.p@cymbalgroup.com	Nashville	TN	
	Lisa Johnson	lisa.j@cymbalgroup.com	Louisville	KY	
1	Andrew Thomas	andrew.t@cymbalgroup.com	Milwaukee	WI	
2	Deborah Thompson	deborah.t@cymbalgroup.com	Albuquerque	NM	
3	Sarah Jackson	sarah.j@cymbalgroup.com	Tucson	AZ	
4	Brian Miller	brian.m@cymbalgroup.com	Fresno	CA	
35	Patricia Davie	natricia d@cumbalarous com	Corromente	CA	



But it's not just art and copy...

Text-to-video

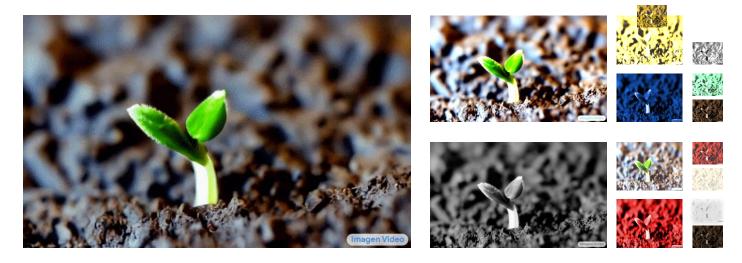
Video generation — Generate video from keywords, scripts or other video inputs

E.g. <u>Imagen Video</u>



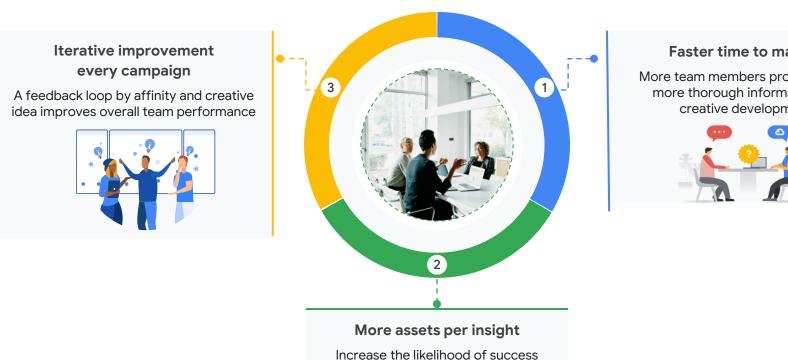
Flying through an intense battle between pirate ships in a stormy battle

Make thousands of ads in each module



- No more one creative to rule them all
- Prevent creative decay

Downstream Effects



through more variants in market

Faster time to market

More team members provided with more thorough information for creative development



Media & Entertainment

Expanding content creation, production, and management

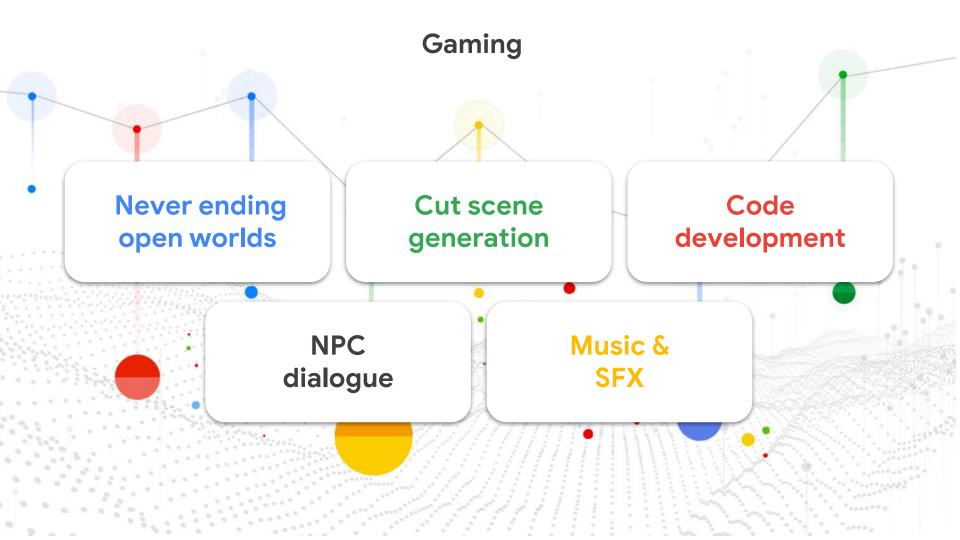


Enhancing and personalizing audience experiences



Improving content and platform monetization





Customer Experiences with GenAl



On the ground effects



"Tech support agents who used AI tools that created conversational scripts boosted their productivity by 14% on average, but the improvement was even more pronounced for 'novice and low-skilled workers' who were able to get their work done 35% faster."

+14%

Average
Improvement in
productivity when
using a AI created
conversational script

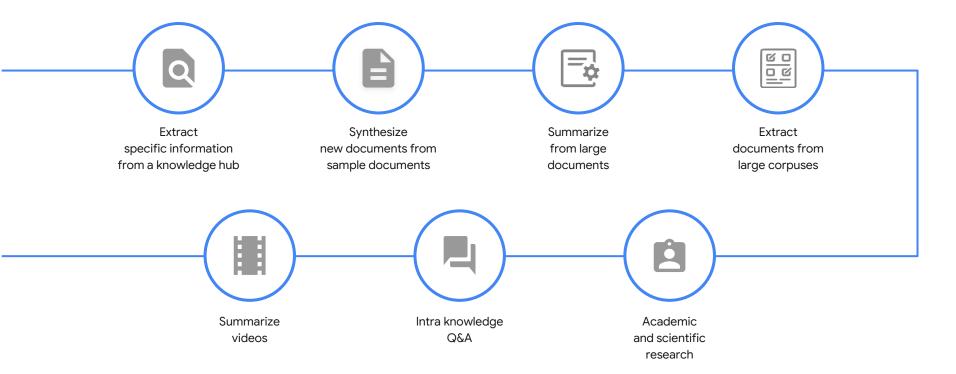
+35%

Faster achievement with "novice and low-skilled workers"

Knowledge Management with GenAl



Knowledge Management use cases



Downstream effects



Personalized and timely summarization raises your Knowledge Quotient

- Reduced time to insight
- Faster onboarding of new team members
- Faster decision-making
- Up-to-date executive summaries

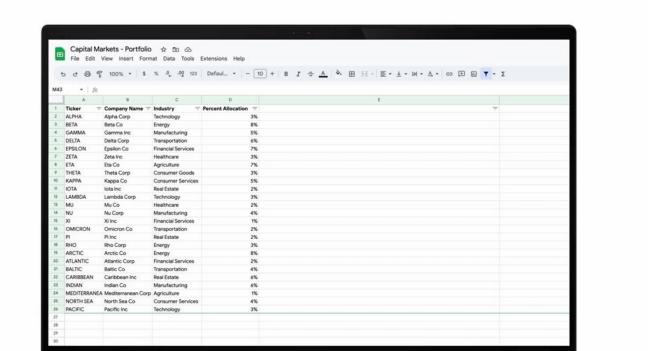
How can (A) augment human intelligence and insight to drive better, faster decisions?

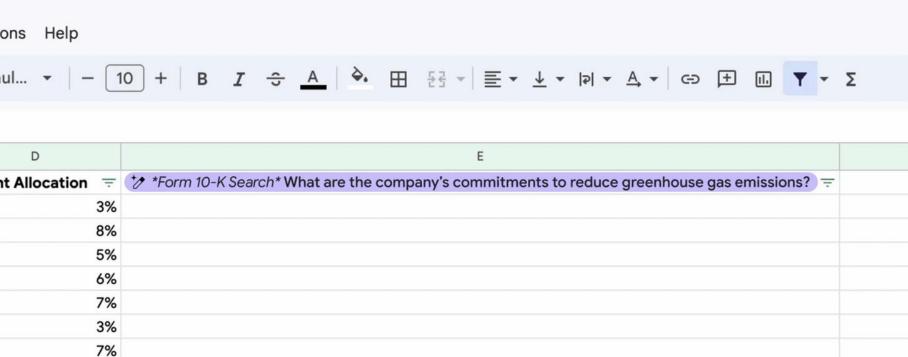
Financial analysts often do detailed capital markets research to identify investment opportunities and mitigate risk.

This can often take hours or even days; analysts must manually search across multiple internal and external data silos.



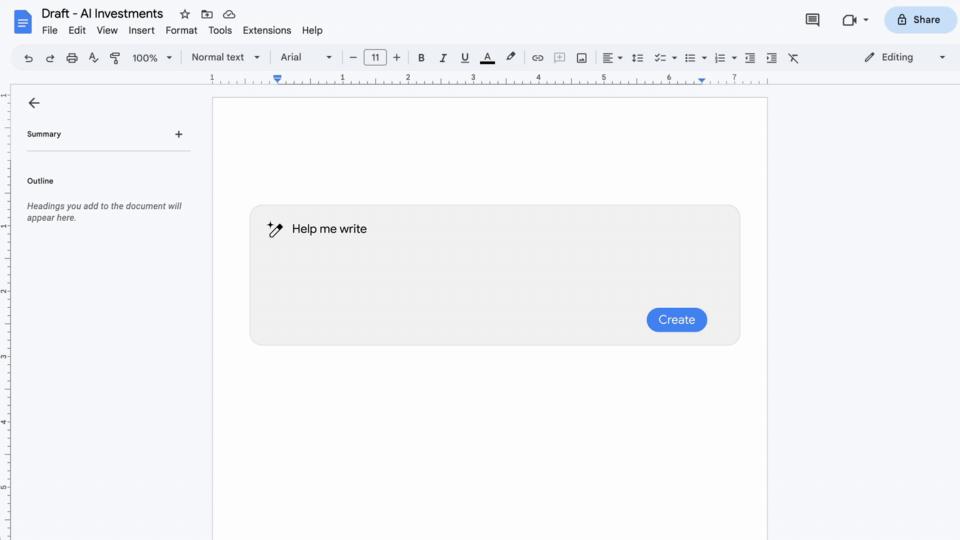
Q X







3% 5% 2% 3% 2% 4% 1%



All is the ultimate research assistant across industries

Finance



Enable quick financial data access, improve forecasting and analysis, and aid investment decisions with personalized insights.

Law and Government



Streamline legal research and analysis, aid in drafting and reviewing legal documents, and facilitate policy analysis for better governance.

Science and Academia



Accelerate research with advanced data analysis and modeling, streamline literature reviews and data extraction, and facilitate experimental design.

Media



Enhance content creation, support distribution and audience targeting, and provide insights on audience engagement and sentiment analysis for better content strategy.

Healthcare



Assist drug discovery, optimize patient monitoring and diagnosis, and provide personalized treatment recommendations

Education



Enhance personalized learning experiences, simplify online learning and course management, and streamline administrative tasks for more efficient education delivery.

Trust + ethical issues are reported barriers to successful Al adoption Of professionals surveyed - The London School of Economics

75% say they use AI as part of the news value chain ¹

60% say they're concerned about ethical implications ¹

Building Al responsibly requires answering hard questions across a product's lifecycle

Define Problem

Collect and prepare data

Train model

Evaluate the model

Integrate and monitor

PRO TIP

What 3 words said by an executive were associated with 6 month stock decline?

I haven't found it Strategic Alternatives Whatever I'm doing now isn't working

CUSTOMER FACING

Higher revenue

Higher CSAT

GenAl benefits the organization



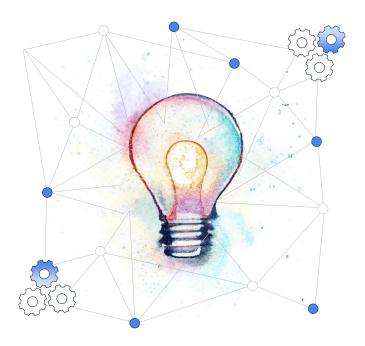


Faster decisions

Retained intellectual capital

INTERNAL FACING

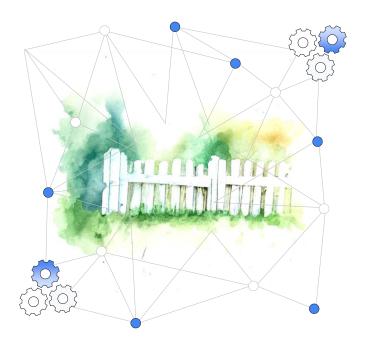
What Decision Makers Need To Know



Large foundation models are free



Data security matters even more

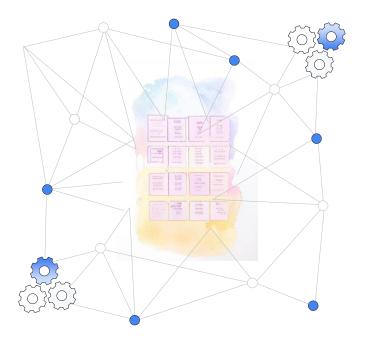


Outputs are yours

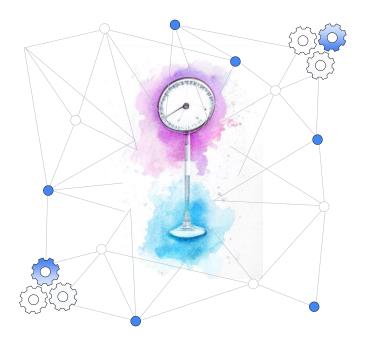


Internal use Proprietary + Confidential

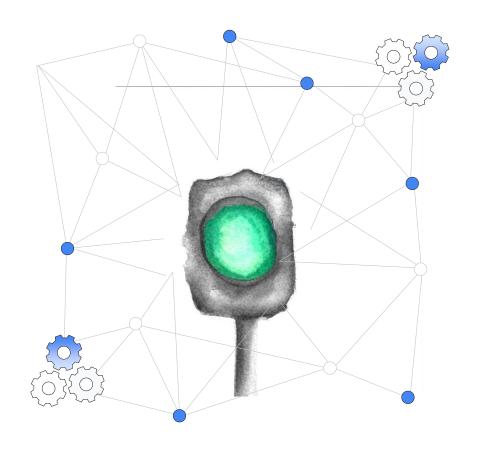
Responsible Al is a feature



Adjust models for your use case



So where do you start?



What's your use case?

Questions, comments, scathing rebuttal?

Oh, and one last thing...



Thank You