

Unleash the Potential of Alin New Product Development

February 16, 2023







We want to hear from you! Please type your questions in the chat box.





About TraceGains

Together we do more



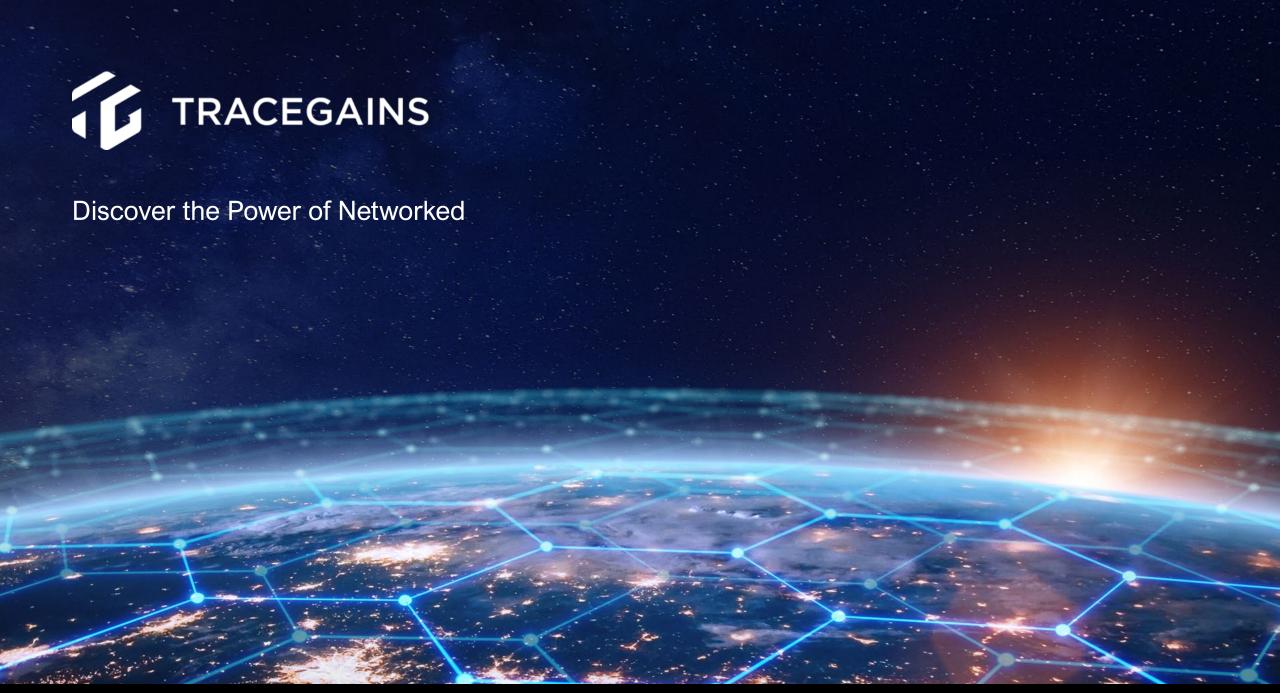
Food and Beverage

•• Dietary Supplements

•• Retail

•••

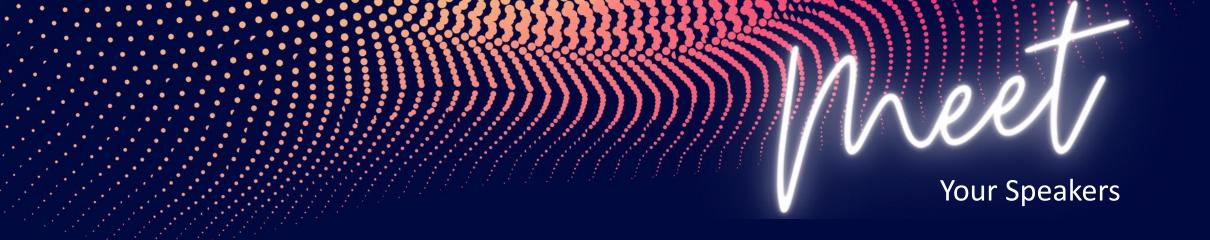
Consumer Packaged Goods



What Makes TraceGains Different?

On average, companies find that 80% of their suppliers are already on TraceGains Network.





Bénédicte Bimont

Global Innovation Manager | Gastrograph Al



Marin Eusterman

Product Marketing Manager| TraceGains







gastra graph



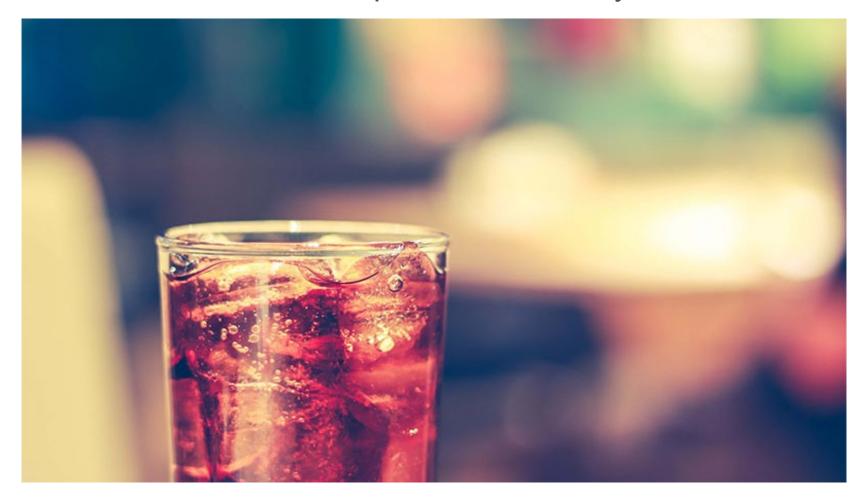
The hardest problem in CPG was:

Scale & distribution



The Goal was:

One mass market product that everyone likes





The Hardest Problem in CPG Today:

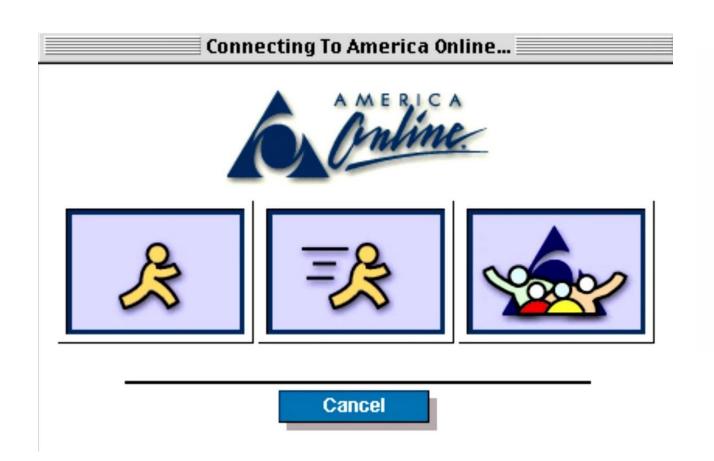
Targeted & Competitive







"New" Technologies Introduced to F&B

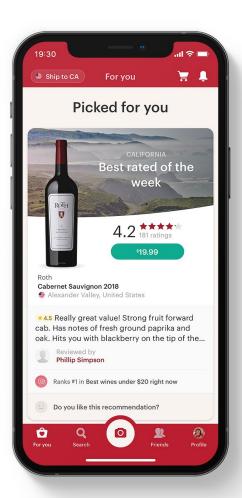






"New" Technologies Introduced to F&B

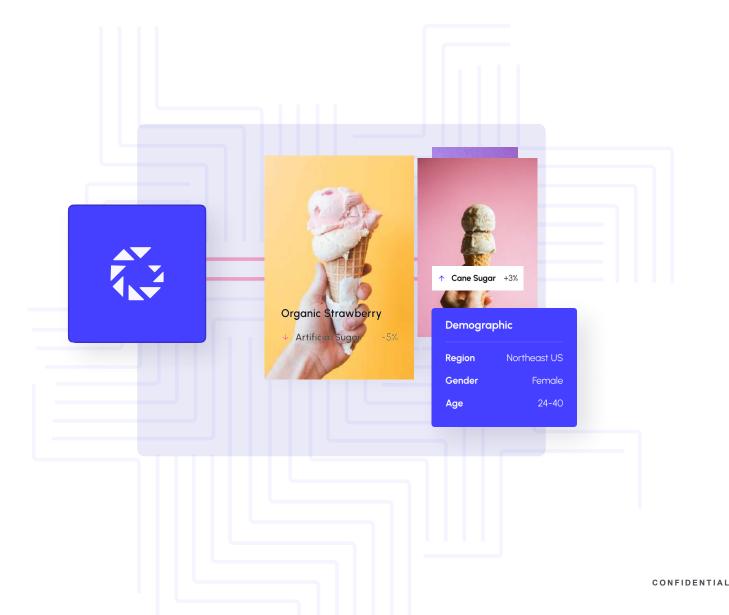






"New" Technologies Introduced to F&B

Artificial Intelligence





Traditional Tools for Traditional Results



Human Experts



Descriptive Analysis



Consumer Panel



Al is trained from *Real* People Tasting *Real* Products





Gastrograph Al Global Coverage

The Gastrograph AI platform currently has predictive coverage in the following markets:



COUNTRIES

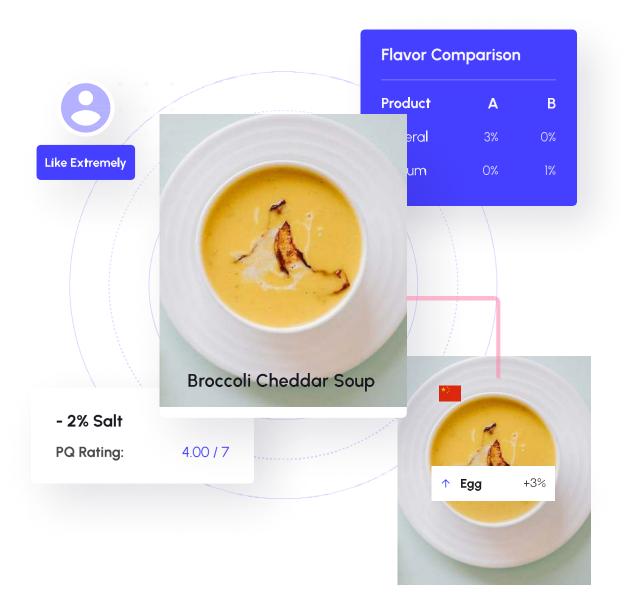
US, Argentina, Australia, Brazil (Bahia, Rio), Canada, Chile, China, Colombia, Denmark, Egypt, France, Germany, India (Mumbai, Kolkata, Chennai, Ahmedabad, Bangalore, New Delhi, Lucknow), Indonesia (West Java), Italy (Rome, Milan), Japan, Mexico, Norway, Philippines, Poland, Portugal, Romania, Russia (Moscow, SPB), Saudi Arabia, Singapore, South Africa, Spain, Thailand, Turkey (Istanbul, Ankara), UAE, UK, Vietnam (HCMC, Hanoi, Da Nang)



Some markets can be divided per regions. For example: In the US, we can make predictions for east/west. In India, we can make predictions for North/East/South/West



Al for Product Development





Limitations of a Traditional Sensory and **Empirical Data Collection**

Empirical & Traditional Sensory



Static empirical data

New question : new test

Guesswork

Wrong question : Retest

Disposable insights

Snapshot data invalid over time

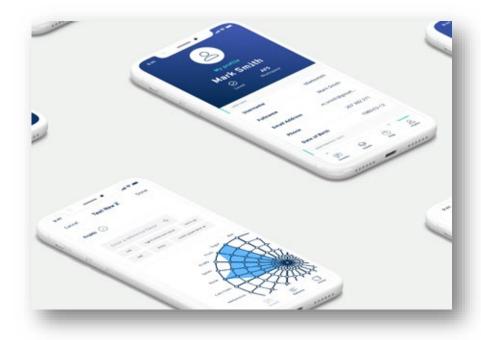
Low-fidelity descriptors

Consumer language ≠ expert descriptors



Advantages of a Predictive Framework



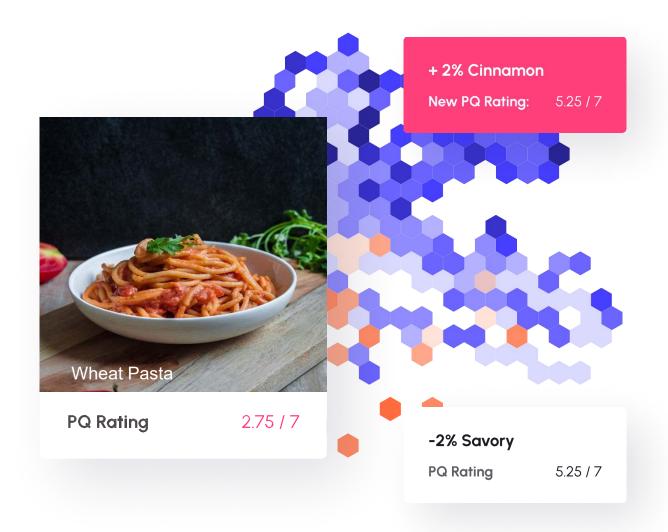


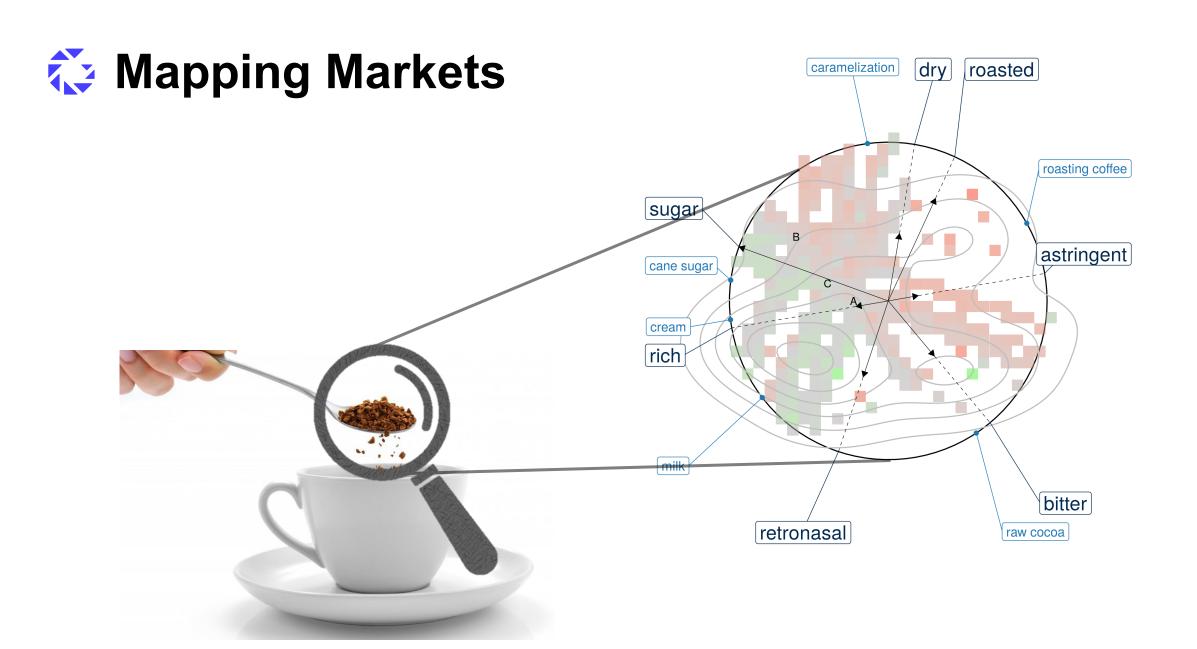
Less Time and Lower Costs	
One test for any question	
Continuous improvement	
Insights needed for great products	



Super-Human Performance in Discovery

Market Maps

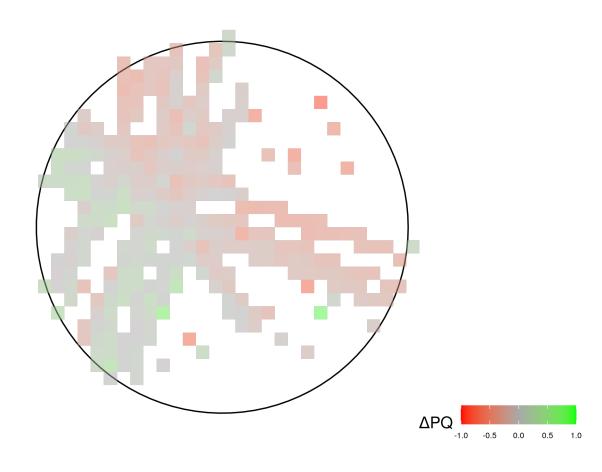






Pixels

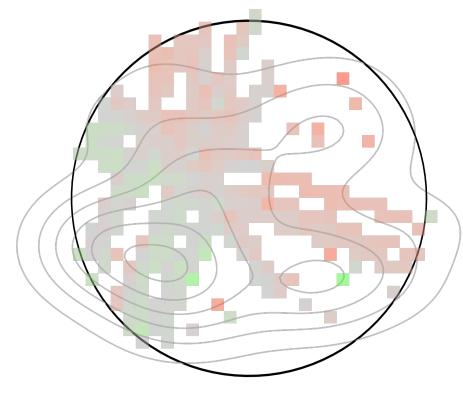


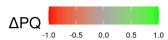


Mapping Markets

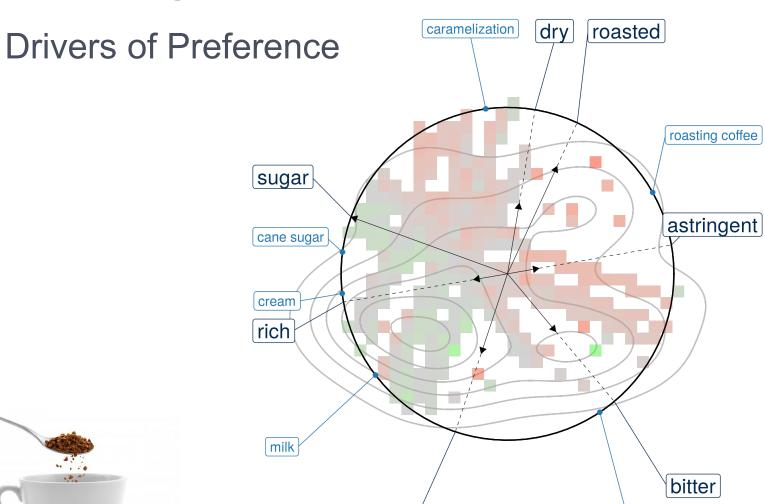
Contours



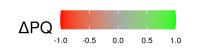




Mapping Markets



retronasal



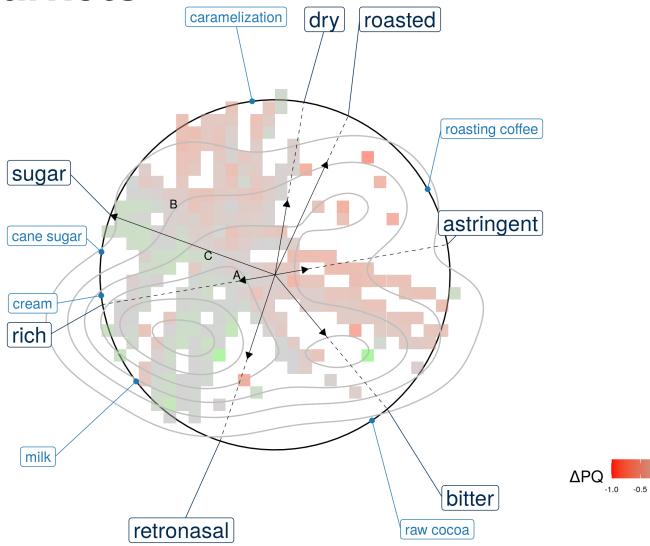
raw cocoa



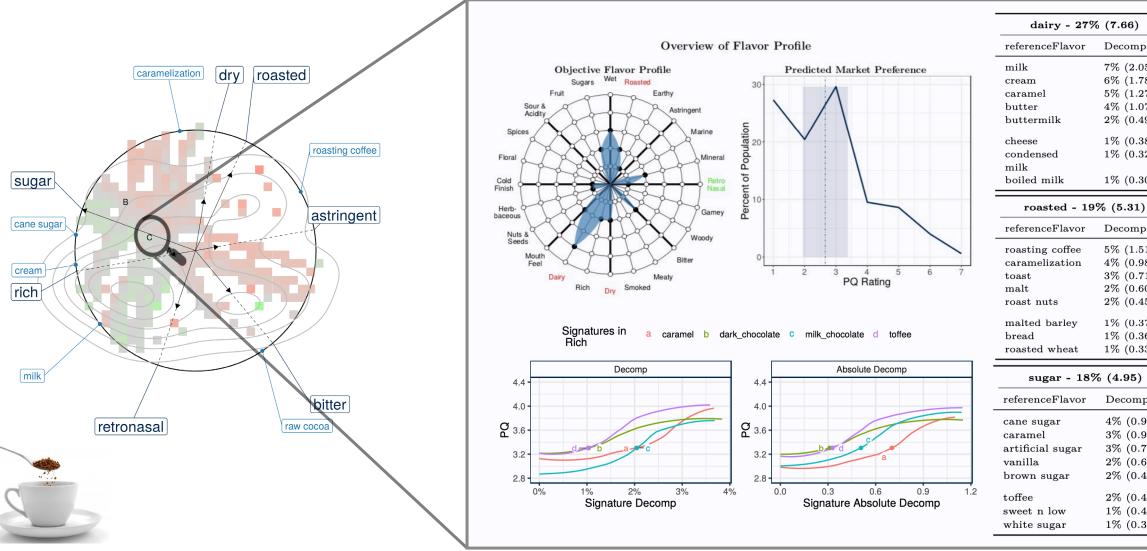
Mapping Markets

Products





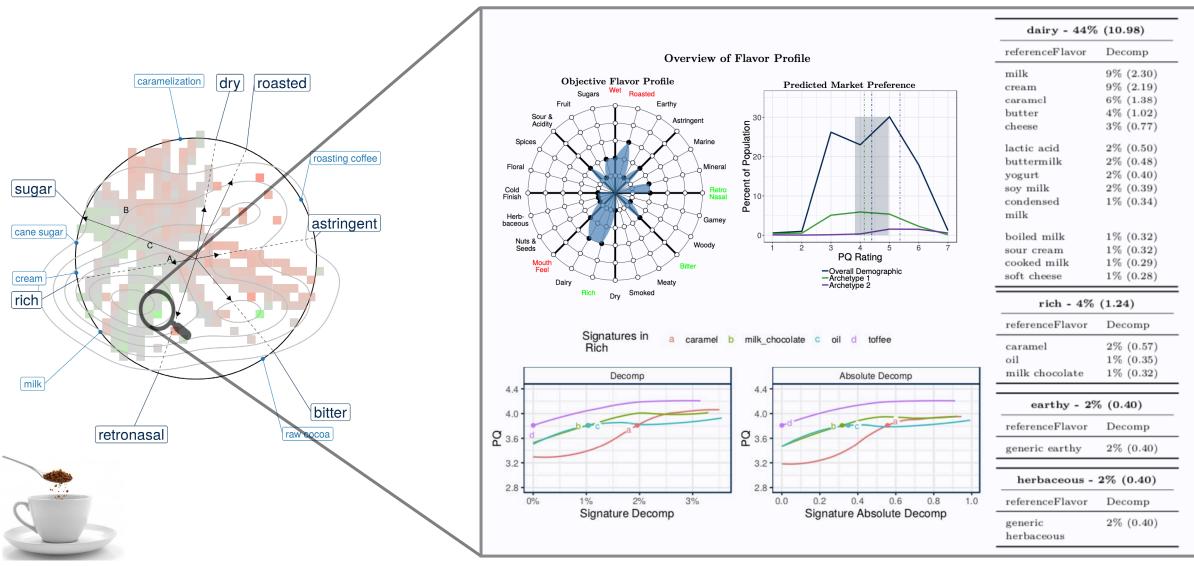
On-Market Product



${\bf reference Flavor}$	Decomp
roasting coffee	5% (1.51)
caramelization	4% (0.98)
toast	3% (0.71)
malt	2% (0.60)
roast nuts	$2\% \ (0.45)$
malted barley	1% (0.37)
bread	1% (0.36)
roasted wheat	1% (0.33)

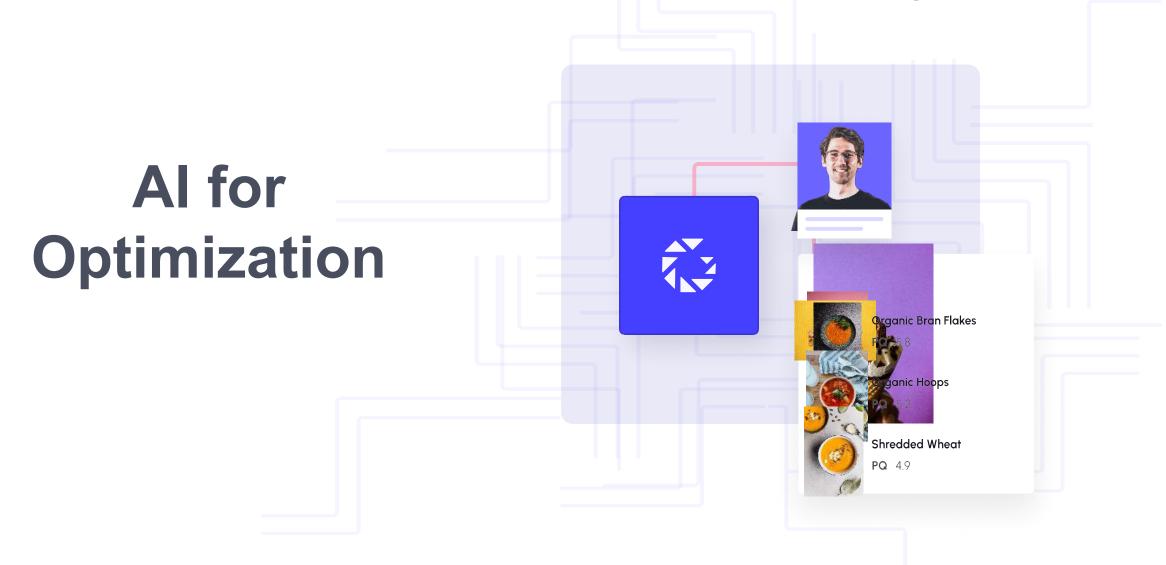
% (4.95)
Decomp
4% (0.99)
3% (0.95)
3% (0.70)
2% (0.63)
$2\% \ (0.48)$
2% (0.47)
1% (0.41)
1% (0.32)

Product Opportunity



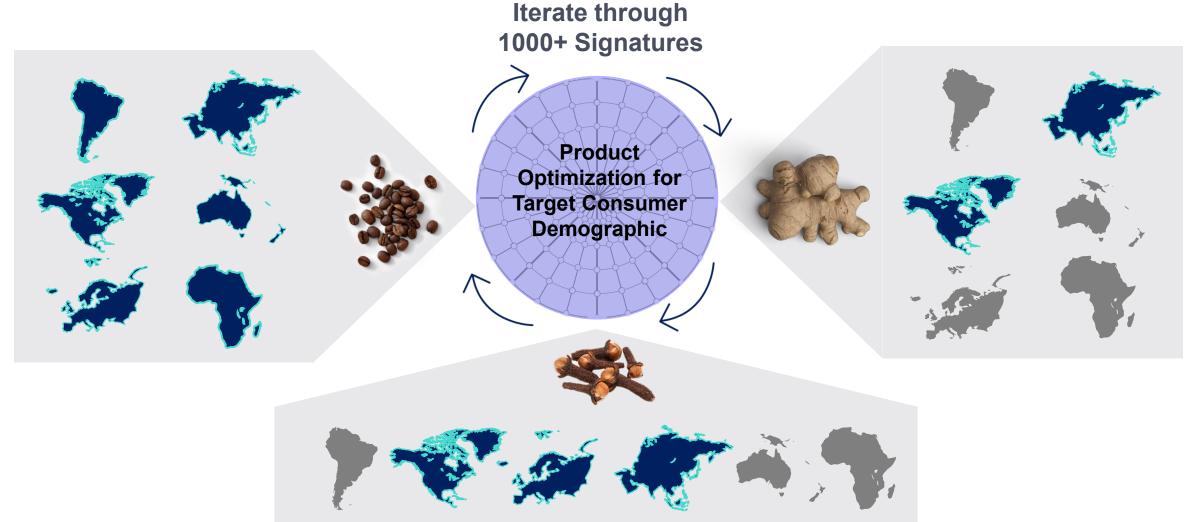


Super-Human Performance in Creativity



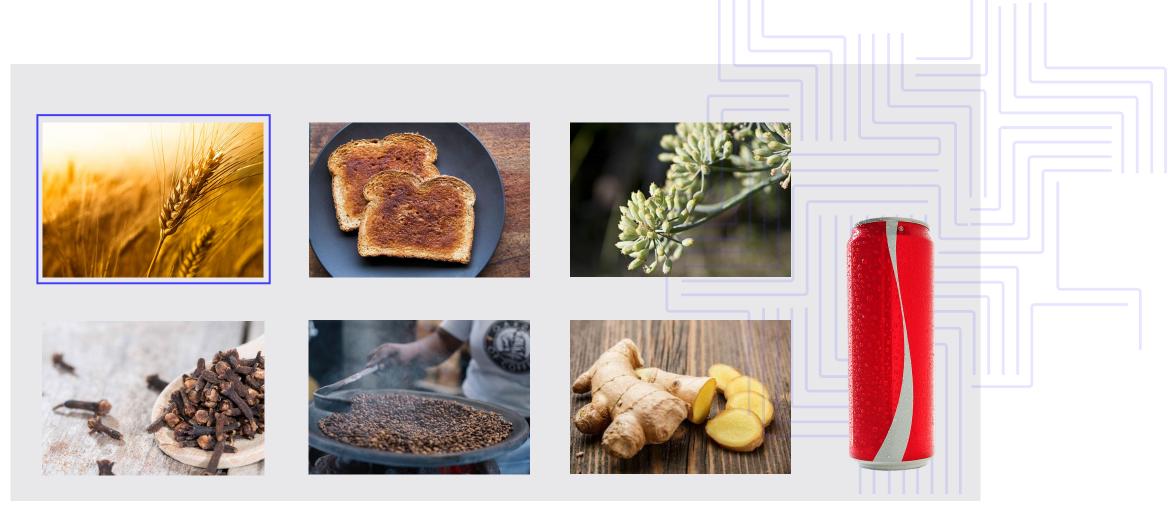


Gastrograph AI Optimization





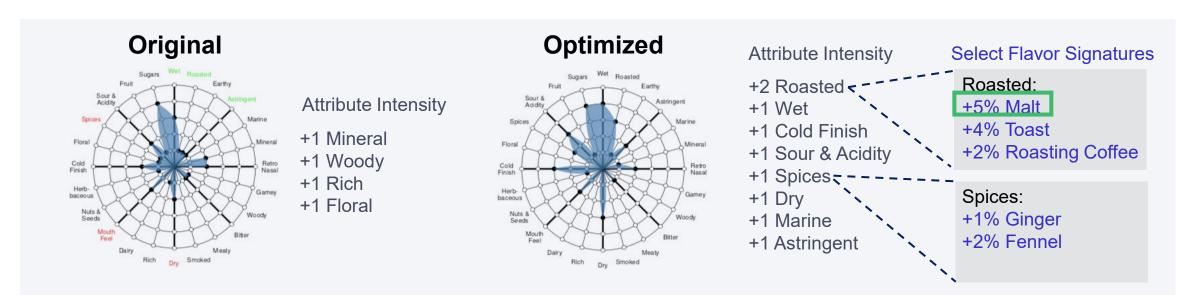
Hint of "Toasted Malt" Cola



- ✓ Novel Flavor Combination
- ✓ High-Preference White Space
- ✓ Detailed Flavor Profile

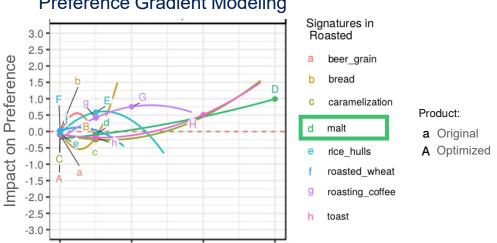


"Toasted Malt" Cola Optimization – Actionable Insights



Preference Gradient Modeling

Intensity



Flavor Signatures

Attribute	Reference Flavor	Original	Optimized	Delta
Roasted	malt	1%	6%	5%
Roasted	toast	0%	4%	4%
Roasted	roasting_coffee	0%	2%	2%
Roasted	rice_hulls	0%	1%	1%
Sugar	cola	9%	10%	1%
Sugar	cane_sugar	8%	10%	2%
Sugar	toffee	0%	2%	2%
Sugar	caramel	9%	6%	-3%
Spice	ginger	3%	4%	1%
Spice	clove	2%	3%	1%
Spice	fennel	0%	2%	2%

Marin Eusterman

Product Marketing Manager | TraceGains

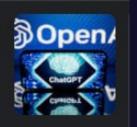




Artificial Intelligence in the news

F Forbes

Can I Invest In OpenAl? Putting Artificial Intelligence In Your Portfolio



15 hours ago

ChatGPT shows how to make a dish with leftover ingredients, netizens react

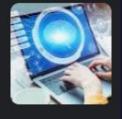
ChatGPT has been the talk of the town for a while now. Many people are stunned by this artificial intelligence (AI) and its abilities.

14 hours ago



Federal News Network

DoD builds AI tool to speed up 'antiquated process' for contract writing

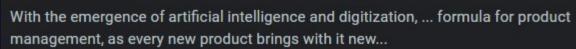


1 day ago

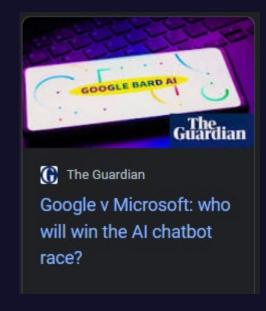


F Forbes

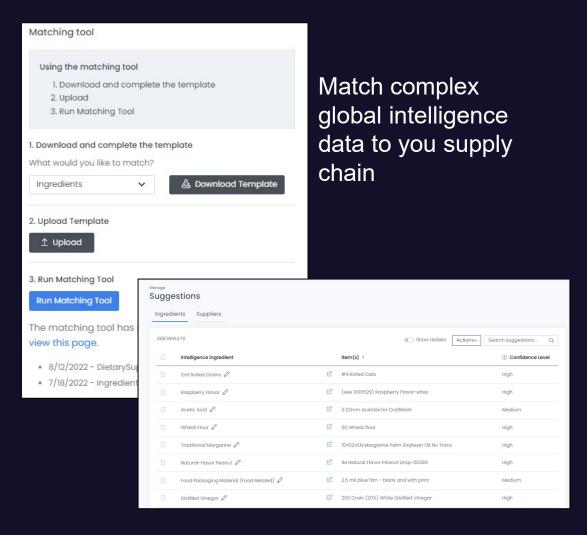
How Product Management Can Drive Educational **Technology**

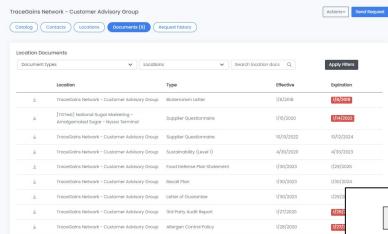




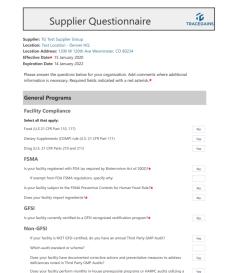


Artificial Intelligence and TraceGains





Standardized digital data within documents



Networked Product Development Suite

Networked Specification Management

- Author and manage specifications with configurable templates.
- Link specifications to networked ingredient and supplier data, including global networked intelligence.
- Intelligent recommendations based on requirements and supplier capabilities.

Networked Formula Management

- Digital audit trail for version histories and roll-backs.
- Tie to your ingredient supply chain and connect to global intelligence data.
- Share formulas and intelligence to keep teams on track.

Networked Finished Goods

- View partners and partner locations associated with your ingredients, specifications, and formulas.
- Track finished goods against both your customers and manufacturing partners.
- Only purpose-built solution for unlocking the potential of co-man and co-packing relationships.

Win a Gift Card...

Take our survey and be entered to win a \$50 gift card!

Live Q&A

Type your questions into the chat box!





Thank You

