

What's happening in Retail

Using data for innovative insights

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Topics Covered





Key themes from the NRF 2023 conference

Overall tone: cautious optimism

- The sector has shown its resilience through the pandemic
- So far it has resisted to recessionary pressures
- Significant levels of savings and pent up spending in pockets
- But the pressures on margins are real

Brick and mortar is not dead

- The acceleration of online shopping has subsided after the explosion during the pandemic
- Consumers are seeking human interaction and are driven by experiences

investments : stores first

Back to front

- Consumers are returning to stores
- Stores are increasingly strategic assets
- Head Office and leadership repositioned to serve the stores
- Technology investments skewed to the front of house

Employees as the new influencers

- Consumers seek
 interaction with
 authentic brands
- Employees are consumers and members of the communities: they are best placed to lead consumer engagement
- Increased employee empowerment and new incentivization models

Keeping up with consumer channelhopping

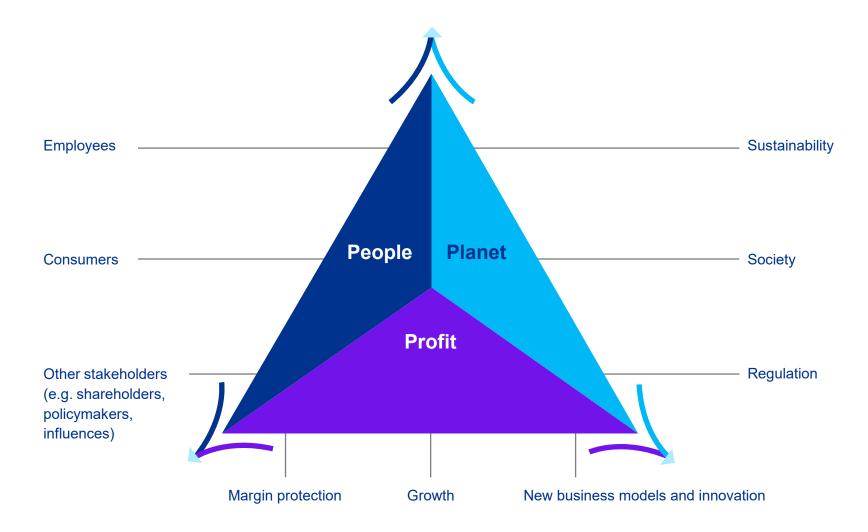
- Brands need to show up where their consumers are (e.g. resale, metaverse)
- Channel silos and legacy performance KPIs coming in the way
- Consumer-centric business model easier said than done

From just in time to just in case supply chains

- Multiple geopolitical pressures to consider
- Increasingly regional and local supply chains
- Optimization no longer through a cost lens only
- ESG considerations add to complexity in the absence of the right infrastructure



Three P's and tension framework





Three key tensions for retailers in 2023

Profit & planet Margin protection and sustainability

Retailers will need to adopt sustainable practices across the whole value chain that will allow them to deliver on promises to ALL stakeholders. People & Planet Employees and society

The intersection between employees, consumers, and communities can help drive consumers, attract/retain talent and sustain a business. People & Profit

Employees; margin protection; and business models and innovation

Technology may be the answer to labor shortages, remaining consumer-centric and maximizing revenue.



Profit & Planet – Margin protection and sustainability

- 1. Introducing resale business models.
- 2. Creating the right balance between passing higher costs to consumers versus absorption is key
- Using services to rehab goods for owners to address potential waste and reducing carbon footprint
- 4. Pulse check on the markets that retailers operate in to anticipate regulatory change and leverage for business opportunities
- 5. Importance of retailers to be authentic and transparent
- 6. Sustainable supply chain

62% Of Gen Z and millennial consumers shop for second hand items before purchasing new goods and
46% Consider resale value before buying.
127% The global second hand goods market is expected to grow by 2026 – 3X faster than the global apparel market

Case studies

- 1. H&M-owned Cos brand has created a marketplace for consumers to buy and sell its used fashions
- 2. IKEA's Buy Back & Resell program
- 3. Levi Strauss & Co. helps consumers understand how to extend the life of a pair of jeans through clear and sustainable "wash less" directions as well as offers in-store tailoring to repair or repurpose vintage denim



People & Profit – Employees; margin protection; business models and innovation

51% of US retailers equip store associates with mobile devices to assist consumer but only 13% can check them out. Just 10% have kiosks

for self-checkout.

Source: Omnichannel Retail Index 2022, OSF Digital

- Post pandemic front-line workers became critical for smooth running of society and, ultimately, irreplaceable leaders in the consumer journey
- 2. Continue to see increased investment in technology to tackle labor shortages and focus on revenue opportunities and make focused decisions. This will also enable tackling the supply chain challenge
- 3. Adopting omnichannel strategies to empower employees in the storefront

- The halo effect that Technology can bring

 using automation increases efficiencies and frees employees from repetitive processes to better serve consumers
- Investment in upskilling to prevent attrition

 training existing employees to drive culture,
 provide confidence and support and align
 corporate and workforce goals
- Realigning employee KPIs for a multiplier effect

 develop unified and consumer-centric culture, better incentivization, upskilling to provide a seamless experience for consumers

Case studies

- 1. Nordstrom focuses >30% of their capital budget on technology, and has opened an Innovation Lab in Seattle
- 2. Amazon is leading the way in predictive analytics
- 3. Sephora uses its Innovation Lab to spot emerging product trends that would map well to their customers



Profit & Percent of the sourcing of the sourcing of the source of the so

What is Regional Comprehensive Economic Partnership about?

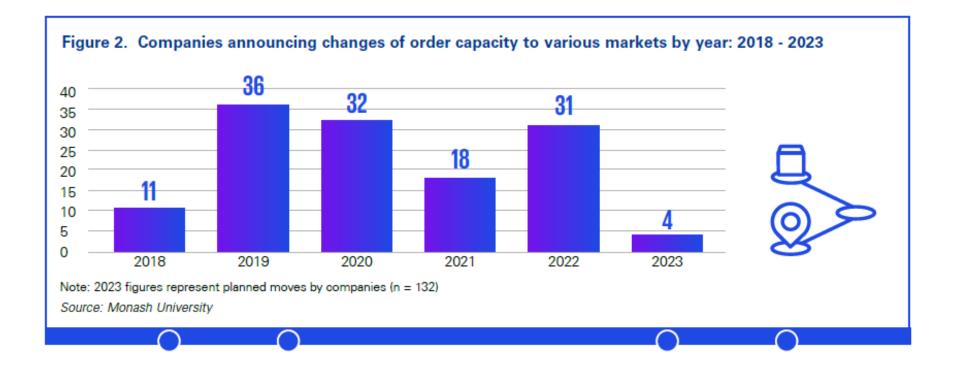


Creation of new free trade zone 1/3 world population 29% Global GDP but will rise to nearly 50% by 2030 Businesses reconsider their supply chains with key benefits of harmonization given complexities of trade within Asia Pacific region

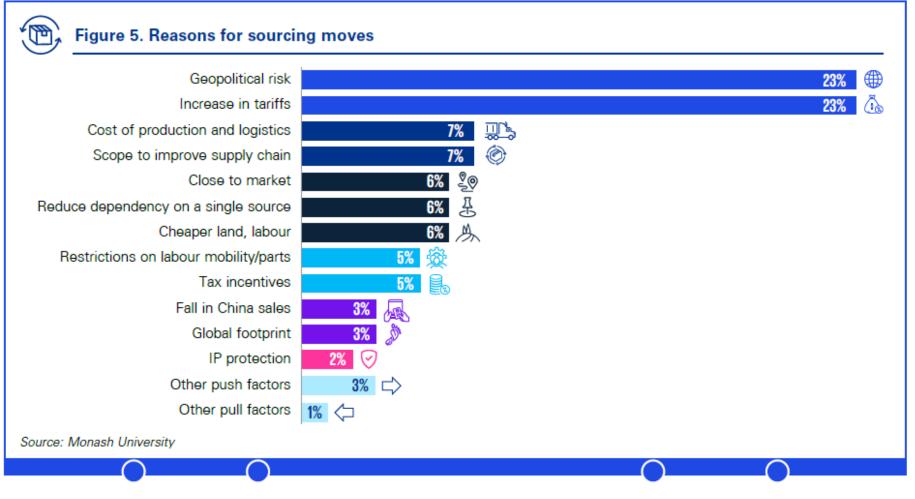
Expected to eliminate range of tariffs on imports over several years including Telecoms, FS, professional services, IP, ecommerce +movement of people



We analysed 132 companies shifting their supply chains

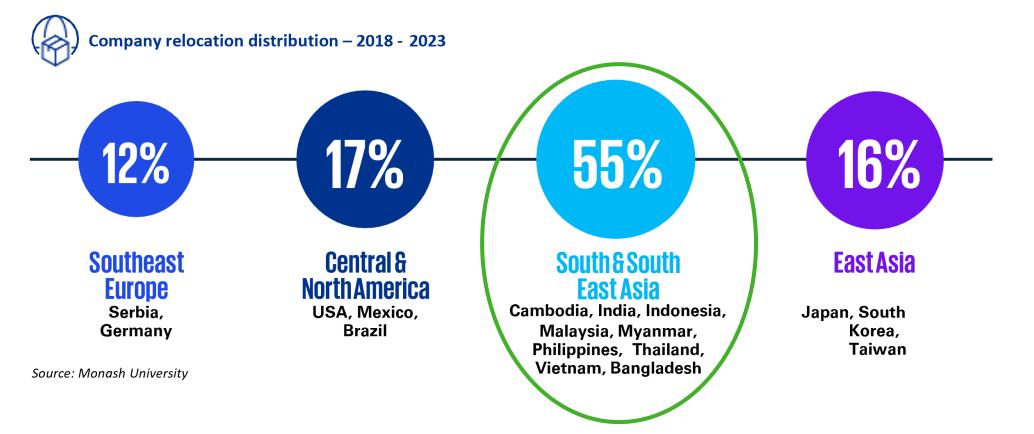


Companies are either moving their sourcing or reshoring operations entirely, mostly due





Supply chains are mostly staying in Asia, with a strong tendency for movement 12% in Europe, and 17% in the Americas. Southeast Asia still dominates the sourcing move away from China.





What is moving where?

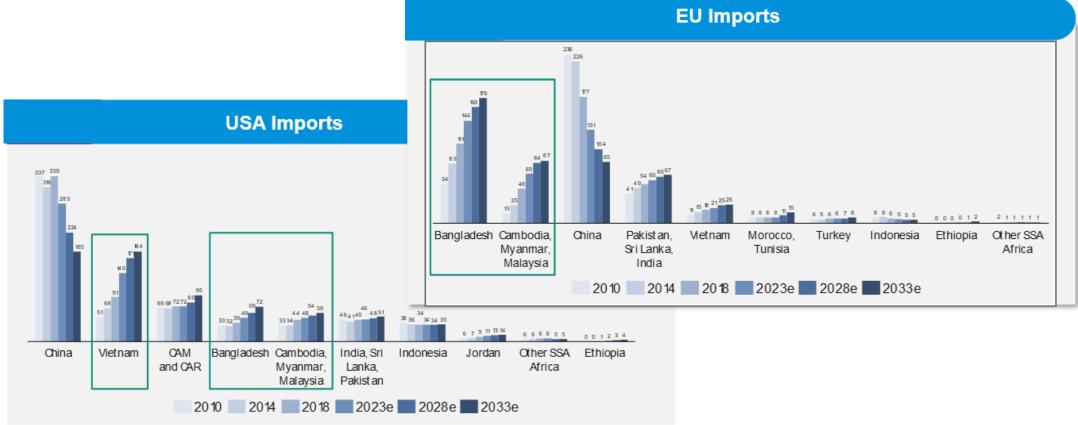
Region								Asia		(Eur	ope		Ar	neric	as	Tota
Industry		Vietnam	Taiwan	Thailand	India	Indonesia	Cambodia	Malaysia	Japan	Philippines	South Korea	Myanmar	Bangladesh	Germany	Hungary	Jordan	Serbia	NSA	Mexico	Brazil	
Electronics		19	11	13	1	2		3	2	3						10		4	9	2	81
Household		12	2	1	2	1	1	4			1							4	2		30
Industrial	9 <u>~</u>	6	1	3	1	1		1	6	1				1				5	2		28
Auto	0	5	1	2	2	3		1	1	1	2						1	2	3		24
Component	乔	7	4	1	2	1				1								1	2		19
Footwear	S.	8				2	3				2		1						1	1	16
Clothing	P	8				2	1			1						1		2			15
Sports & Outdoor	Ł	3	5				3								1						12
Accessories & Souvenirs	Ö	2					2					2						1			7
Total		70	24	20	18	12	10	9	9	7	5	2	1	1	1	1	1	19	19	3	232

Figure 11. Distribution of sourcing moves across markets and industry sectors

Source: Monash University



Our forecasts from 2020 regarding Vietnam and Bangladesh's explosive growth have proved right



Import volume of apparel from origin countries into the EU and US, '000 FFEs. Source 2010-2018 historical; Seabury database / 2023-2033 projections; Maersk and Duke Global Value Chains project



Vietnam has become a leader for sourcing in



Companies relocating capacity to Vietnam (moves = 70)

South Vietnam

Number of sourcing shifts: 41

Overall Business Type: B2C Median Market Cap: USD 3.01 Billion Average Capacity Shifted: 50%~70% Average People Capacity Shifted: ~3.4K (pax)

Existing Factory - Capacity Shifts: 26 (64%) New Factory - Capacity Shifts: 15 (36%)



Source: Monash University

North Vietnam

Number of sourcing shifts: 29

Overall Business Type: B2C Median Market Cap: USD 6.63 Billion Average Capacity Shifted: 50%~70% Average People Capacity Shifted: 3.9K (pax)

Existing Factory - Capacity Shifts: 15 (53%) New Factory - Capacity Shifts: 14 (47%)



Vietnam today is comparable to Guangdong a decade ago

	Vietnam 2021	Guangdong 2011	Guangdong 2021
Population	97M	104.4M	126M
Average population age	32.5 years	30.6 years	38 years
Minimum monthly wage, adjusted to 2020 USD	\$169	\$213	\$307

Source: Monash University; ILO; national statistics; author calculations



What is Driving the Change?

Production and logistics costs

This combination across origin countries remains highly relevant.

Trade agreements



Countries that have strong agreements with EU and/or US will continue to benefit from increased sourcing.

Process automation

Innovation in the manufacturing process will allow companies to shift to countries in which productionquality would have been a bigger challenge.

Sustainability



Companies are making a direct link into environmental practices as well as social responsibility when they choose locations

Quality at scale



Countries that can scale fast whilst keeping a high quality in production will grow rapidly in the foreseeable future.

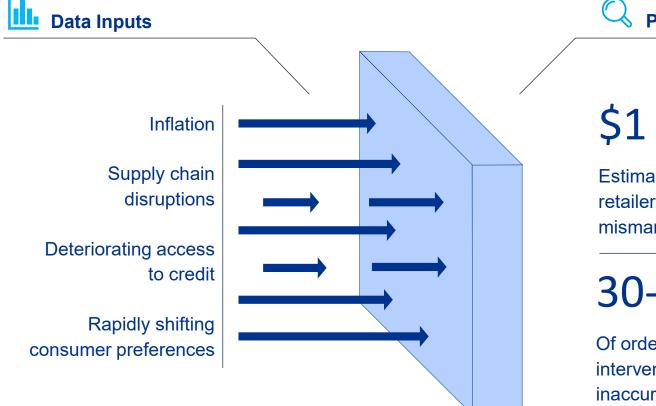
Key drivers of the sourcing shifts across Apparel and Footwear





Intelligent Forecasting

Uncertainty prevails in the business error of the prevails in the business.



Predictions

\$1 Trillion

Estimate of how much retailers lose per year in mismanaged inventory

30-60%

Of order require human intervention because of inaccurate forecasting Accurate forecasts are crucial to retail success, yet increasingly difficult to attain



Source: IHL Group



Introducing intelligent forecasting

Intelligent forecasting is a customizable approach that is integrated into your existing process and systems to provide more automated and accurate forecasts for areas such as Demand, Sales, Revenue, Costs, or Cash.



Scenario Planning

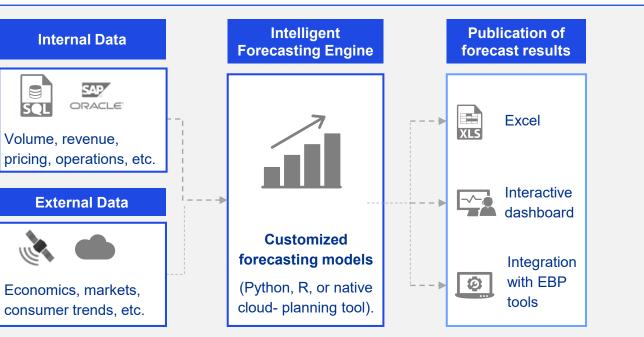
Create specific forecasts by P&L line item, geographic region, brand, channel, etc. Levers can be adjusted to model impact of different scenarios at key dimensions.

Evolution & Integration

Integration of models across different business functions or different levels of the hierarchy with matching forecasts.



X





Intelligent forecasting can drive real business



Increase forecast accuracy and supplement current decisionmaking processes through a statistically- proven and datadriven approach

Ability to re-allocate revenue or cost savings to other growth initiatives, increased shareholder confidence INSIGHTS

Gain additional understanding of internal/external drivers of business results; provide value beyond Finance

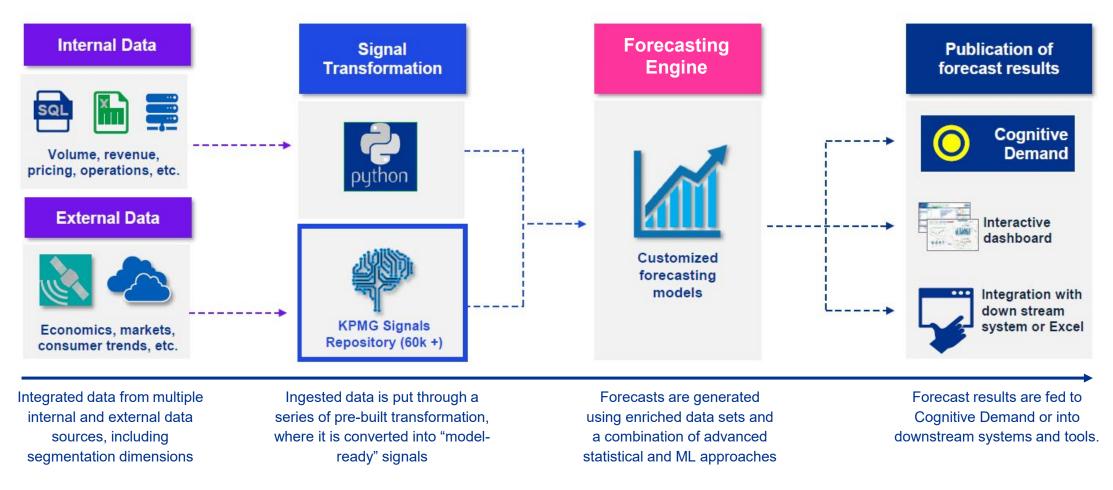
New signals supplement current decision making process through scenario modeling, and can serve as "early warning" through flash reports SPEED

Be fast and agile; accelerate cycle times for the monthly forecasting process

Less time and resources required for planning; free up business leader capacity to focus on additional strategic analysis or distribute to other functions



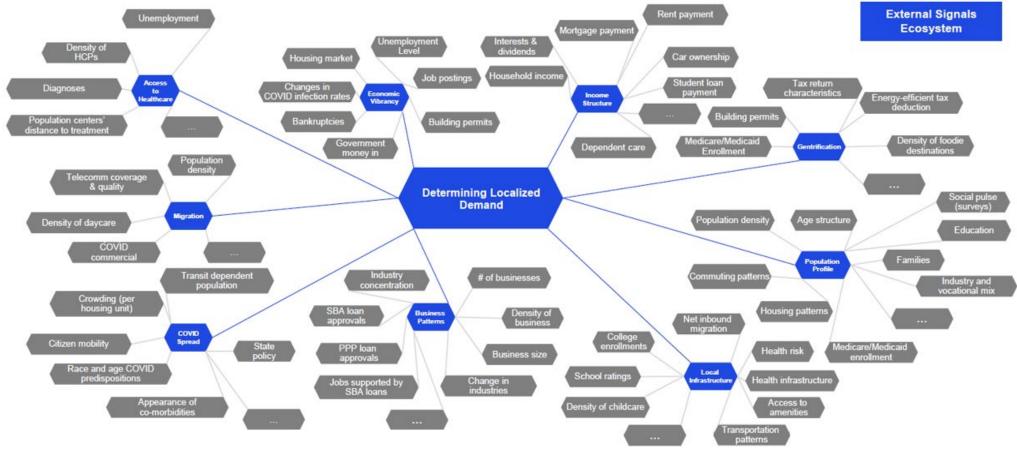
Cognitive forecasting detail: We leverage our Sressing averages inter a plate of the plate





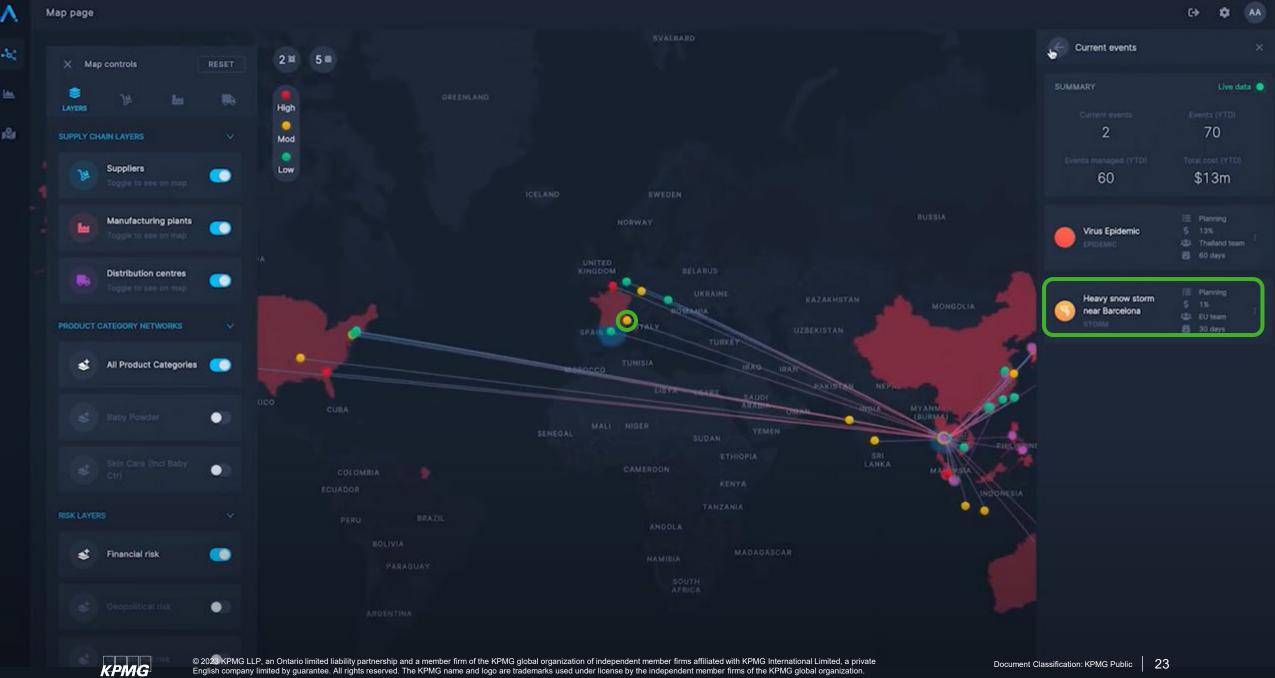
A combination of Fast-and slow-moving external signals gives us a pulse on demand

Using machine learning, KPMG has refined a for-purpose curation from its signals repository that scores small areas along several dimensions including: population health needs, public health policy, commercial resurgence, and social behavior



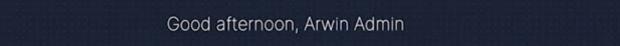
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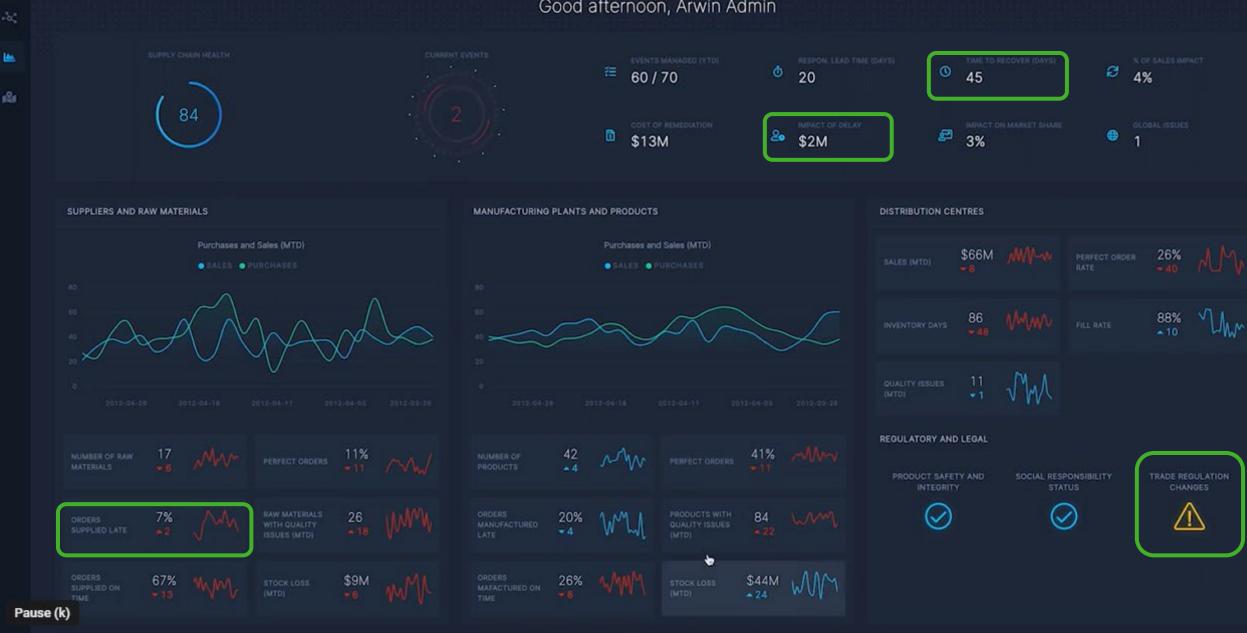


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Dashboard

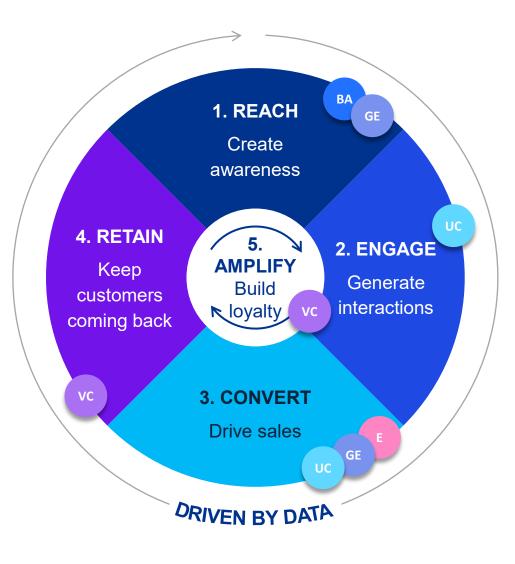
People & Profit

Customer analytics

Successful brands that seek to create recurring engagement & revenue focus on driving clients through a virtuous cycle

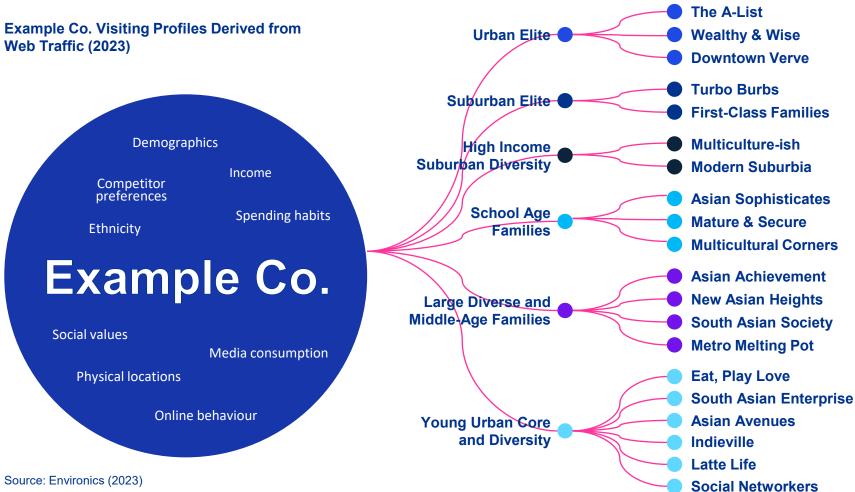
LEGEND







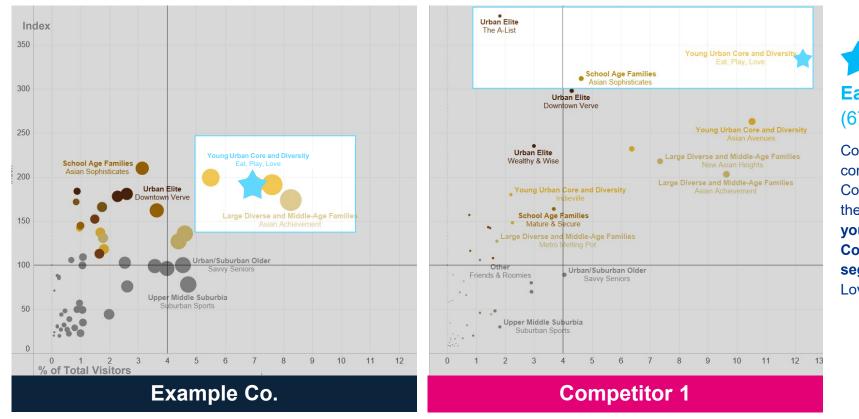
As you look toward growth, we can help you identify who your visitors are today





Data can help you identify where your competitors are outperforming you

Online Monthly Visits by Index (2023) Size of bubble is proportional to profile population size

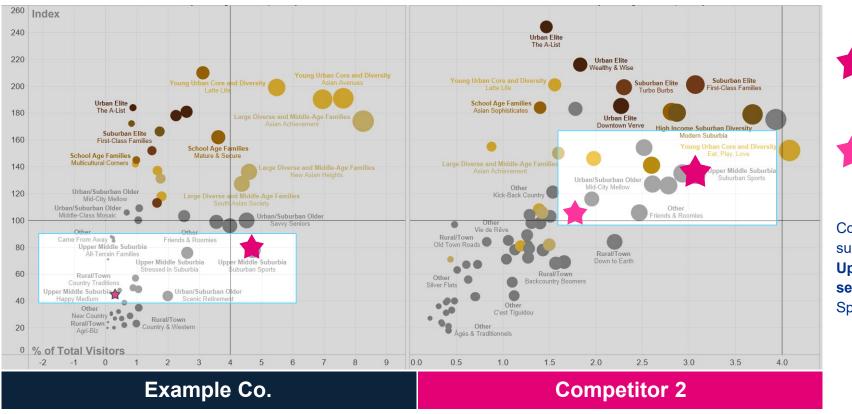


Eat, Play Love (670K pop.)

Competitor 1 is a competitor that Example Co. customers go to and they are **outperforming you in Young Urban Core and Diversity segments** like Eat, Play, Love.

Source: Environics (2023)

And identify which visitors to attract in order for your brand to provide the population size



Suburban Sports (970K pop.) Happy Medium (475K pop.)

Competitor 2 has been successful at attracting **Upper Middle Suburbia segments** like Suburban Sports and Happy Medium.

Grey bubbles are under-indexed segments for Example Co.



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Defend, Maintain, and Grow Strategies by To successur the second part of from from Grand capture new profiles, Example Co. will have to offer key differentiators to existing profiles and develop innovative methods to strategically engage younger more diverse

customer segments

Profile	Profile Category	Example Co.	Competitor 1	Competitor 2	Competitor 3	Competitor 4	Competitor 5	Competitor 6
- Urban Elite	Maintain					\checkmark	\checkmark	\checkmark
Suburban Elite	Defend / At risk				V	V		V
High Income Suburban Diversity	Defend / At risk					V	\checkmark	
School-age Families	Defend / At risk		V			\checkmark	V	
Upper-Middle Suburbia	Maintain			V	V		V	
Upper Middle Rural	Maintain			\checkmark	V			
Urban / Suburban Older	Maintain			\checkmark	\checkmark			
Diversity	Opportunity		V			\checkmark	V	
Young Urban	Opportunity				V	V	V	
Lower Middle Rural	Opportunity				V			

KEY TAKEAWAYS

Maintain Strategy

- Current Example Co. strengths are within the Suburban Elite, Upper Middle Suburbia, Upper Middle Rural, Urban/ Suburban Older
- · These profiles know your brand very well they are accessing the brand directly
- However, these profiles are shared with several competitors and would require actions that would differentiate Example Co. from the others to ensure success in these profiles

Defend and Grow Strategies

Successfully fulfilling these strategies would require answering several major questions:

- Lower Middle Rural is an opportunity few seem to be capturing, is it worth pursuing?
- How can you cater to the untapped market of Young Urban profiles?
- How do we capture other new/ defend existing younger profiles with elements of diversity?
- Finally, an area where several competitors seem to outperform is indirect search pushing SEO. One-stop shop awareness should be a priority



So you can develop impactful strategies that amplify your brand among receptive

Selectristand outubder-indexed customers...

I'm a spender, not a saver and I'll pay premium prices for environmentally friendly products

I'm active in social issues and political campaigns

I think of myself as an influencer – I'll often share links to products with my friends

I'm not bound by authority and rules – I make my own path

I consider myself to be sophisticated and dressing smartly is important to me

I act on store offers I receive via SMS

I'll compare products and prices while shopping

Over-indexed behaviours, values and attitudinal preferences of **Eat**, **Play**, **Love** Source: Environics (2023)

... to grow brand awareness

REPUTATION IN THE MARKET

, Leadership | Strategic Direction | Public Trust & Integrity | ESG & EDI | Products | Price | Difficulty of Substitution

RELATIONSHIPS WITH CLIENTS, EMPLOYEES AND PARTNERS

Customer Experience | Employee Experience | Store Experience | Supply Chain Relationships | Product Design and Quality

COMMERCE ENABLEMENT

Geographic Reach | Physical Footprint | Unified Commerce | Platform Technology | Innovation Capability | VoC Insights





High Income Suburban Diversity

Pursuit of Originality – A need to

touches and expressions of personal

uniqueness.

demonstrate one's individuality through original

Upscale, younger and middle-aged, multi-ethnic suburban families

Average household Average Purchase decision breakdown (top 5) Median age income consumption 47 \$111,234 \$147,957 86 Strong values Weak values Attraction for Crowds – Enjoyment being in Fulfilment Through Work - A need to invest large crowds as a means of deindividuation one's professional life with meaning and and connection-seeking. deliver social value. 72 Attraction to Nature – Desire to be close to **Penchant for Risk –** Desire to take risks in nature, whether to recharge or enjoy simpler, order to get what one wants out of life. healthier, or more authentic way of life 75

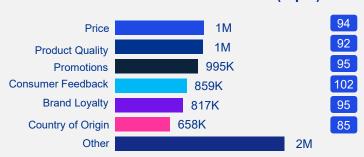
> Financial Concern Regarding the Future -Feeling of insecurity about one's financial future, particularly in old age.

75

ATTITUDINAL PREFERENCES

Index Legend	"I am likely to share product deals/	"I feel that I influence consumption	botherso
>110 ABOVE British Columbia	information via social media" Total 300K % of 22 142	choices of the people around me" Total 634K % of 45 116	Resea
benchmark 81-109 AT British Columbia benchmark	"If a product is widely advertised, it will be a good product"	"I am very comfortable sharing my personal data with retail companies"	2 Retailer
<80 BELOW British Columbia benchmark	Total 427K % of 30 138	Total 348K % of 22 132	1; Am

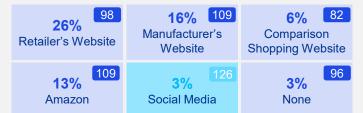
Sub Segments: Multiculture-ish | Modern Suburbia



RECEIVING INFO ON PRODUCTS / PROMOTIONS BASED ON PAST PURCHASES



earch sources for clothing and fashion



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Data can help you identify who your American prospective customers will be

Example Co.'s Visitor Profiles Derived from Web Traffic (2023)

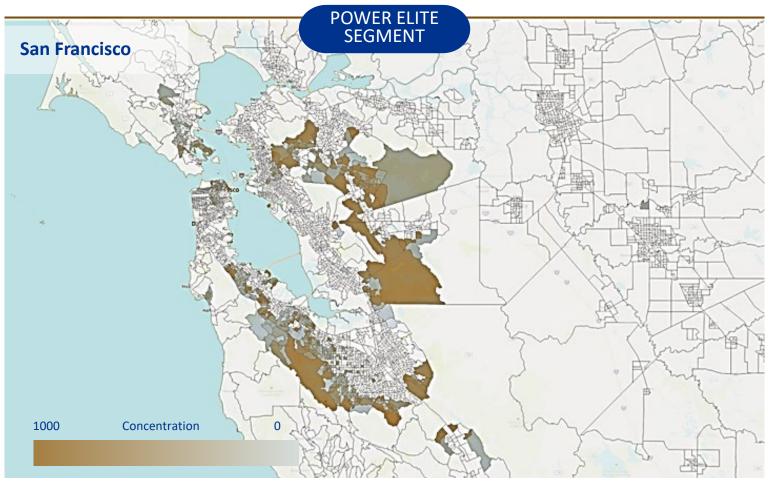


U.S. Prospective Profiles (2023)

	A01	American Royalty			K37	Wired For Success
	A02	Platinum Prosperity	к	Significant Singles	K38	Modern Blend
Power Elite	A03	Kids And Cabernet	Significant Singles	K39	Metro Fusion	
I Ower Litte	A04	Picture Perfect Families			K40	Bohemian Groove
	A05	Couples With Clout			L41	Booming And Consuming
	A06	Jet Set Urbanities		Blue Sky Boomers	L42	Rooted Flower Power
	B07	Across The Ages			L43	Homemade Happiness
Flourishing	B08	Babies And Bliss	NA	Families in Motion	M44	Creative Comfort
Families	B09	Family Fun-tastic	Μ	Families in Motion	M45	Growing And Expanding
	B10	Cosmopolitan Achievers			N46	True Grit Americans
	C11	Sophisticated City Dwellers			N47	Countrified Pragmatics
Booming With	C12	Golf Carts And Gourmets	Ν	Pastoral Pride	N48	Rural Southern Bliss
Confidence	C13	Philanthropic Sophisticates			N49	Touch Of Tradition
	C14	Boomers And Boomerangs			O50	Full Steam Ahead
Suburban Style	D15	Sport Utility Families			051	Digital Savvy
	D16	Settled In Suburbia		Singles and	052	Urban Ambition
	D17	Cul De Sac Diversity	0	Starters	053	Colleges And Cafes
	D18	Suburban Nightlife			054	Influenced By Influencers
	E19	Consummate Consumers			055	Family Troopers
Thriving Boomers	E20	No Place Like Home			P56	Mid-scale Medley
	E21	Unspoiled Splendor		Cultural	P57	Modest Metro Means
Promising	F22	Fast Track Couples			P58	Heritage Heights
Families	F23	Families Matter Most	P	Connections	P59	Expanding Horizons
Young City Solos	G24	Ambitious Singles		connections	P60	Striving Forward
	G25	Urban Edge			P61	Simple Beginnings
	H26	Progressive Assortment			Q62	1 3 3
Bourgeois Melting	H27	Life Of Leisure		Golden Year	Q63	Enjoying Retirement Footloose And Family Free
Pot	H28	Everyday Moderates	Q	Guardians	Q64	Established In Society
	H29	Destination Recreation		Guardians	Q65	Mature And Wise
	130	Potlucks And The Great Outdoors			Q05	Ambitious Dreamers
Family Union	131	Hardworking Values	R	Aspirational		
	132	Steadfast Conventionalists		Fusion	R67	Passionate Parents
	133	Balance And Harmony			S68	Small Town Sophisticates
	J34	Suburban Sophisticates	S	Thrifty Habits	S69	Urban Legacies
Autumn Years	J35	Rural Escape			S70 S71	Thrifty Singles
	J36 Settled And Sensible	Settled And Sensible				Modest Retirees

So you can move into the U.S. markets tanadian and US - a sector fan be used to identify priority areas for new store locations that maximize ROI and minimize risks

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Locate existing customers living in the U.S.

Identify areas with high concentration of key segments to meet current prospects where they are

Identify prospective customers with the highest potential to convert

Use demographic and characteristic data of current segments to find unaddressed gaps in similar US markets



Takeaways

Data unlocks value	Sourcing moves accelerating due to geopolitical changes	Intelligent forecasting unlocks profit	Customer analytics to drive sales and new market entry
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