TRAVEL & RETAIL 2025 TECH WITH PURPOSE

CONNECT TO CRA



Cro CHARLES REED ANDERSON

CHARLES REED ANDERSON

TFWA ASIA PACIFIC CONFERENCE

SINGAPORE

11 MAY 2025

TRAVEL & RETAIL 2025

Cro CHARLES REED ANDERSON

THE BAD AND THE UCH

THE GOOD....

TRAVEL RETAIL MARKET VALUE

		(IN USD BILLIONS)	USD
		USD	72.1B
OF PRE-PANDEMIC	USD	61.OB	7.2
	49.9B	5.6	11.2
		8.6	
LEVELS FOR	4.1 5.0	16.7	21.6
INTERNATIONAL TRAVEL	8.9		
Source: UN Tourism's World Tourism	32	30.1	32.1

Barometer (Jan 2025)

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2022 2021 2023 ASIA PACIFIC EUROPE AMERICAS MEA

Source: Kearney's "Travel Retail's Next Chapter", 2024

THE BAD...



/hy Arm's chief does not fea

US and China set for trade war as Beijing launches retaliatory tariffs



RELIED

The Economist

> The revised economic outlook

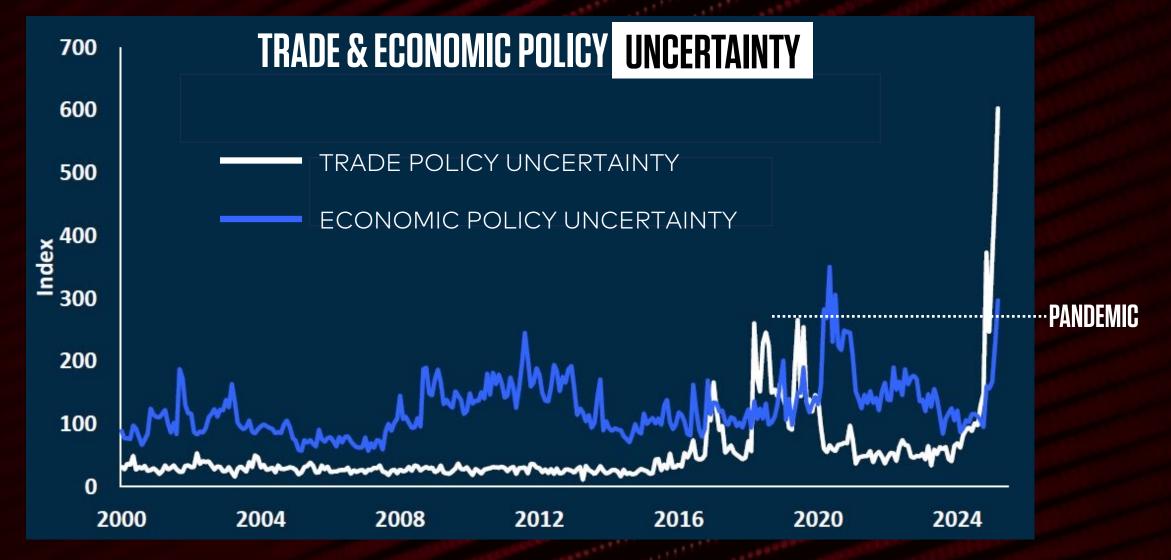
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Gilardian

TARIFFS

Tariff turmoil wipes trillions of dollars off global stock markets

AND THE UGLY.



TECHNOLOGY

CAN FIX

EVERYTHING

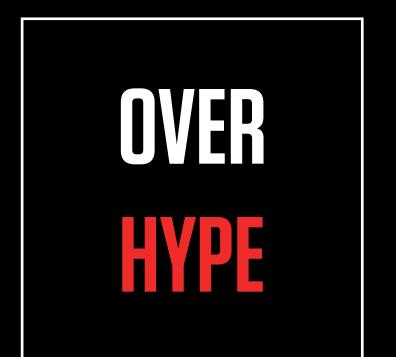
(ACTUALLY, IT CAN'T)

MY PERSONAL

















TOO MUCH

TECH FOR TECH'S SAKE

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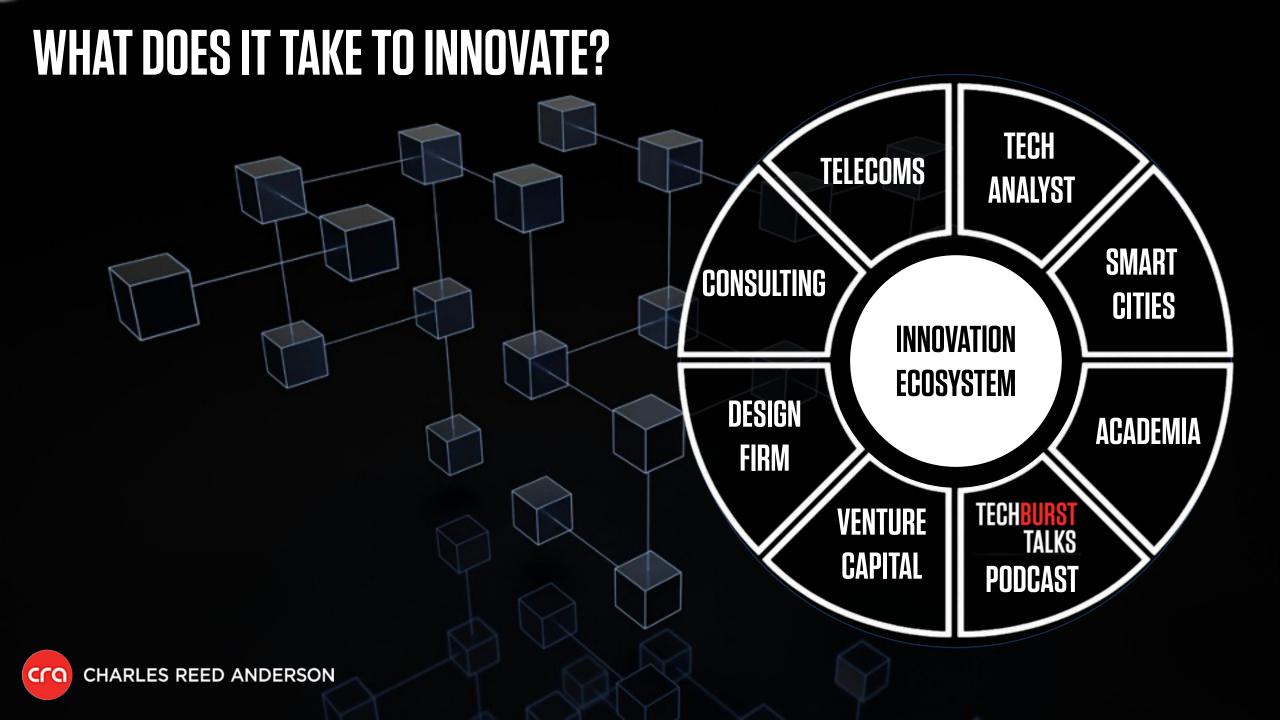


MORE

NOT NECESSARILY

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WHAT DOES IT TAKE TO INNOVATE?



THE IMPORTANCE OF HUMAN OUTCOMES

ENVIRONMENT TECH PEOPLE

HUMAN OUTCOMES CAN CREATE...

IRRATIONAL LOYALTY





TECHNOLOGY EXISTS TO DELIVER HUMAN OUTCOMES

HUMAN OUTCOME?

WHAT'S A

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TRAVEL DELIVERS HUMAN OUTCOMES

DEVALUED

NERVOUS

ANGRY

TRAVEL DELIVERS HUMAN OUTCOMES

VALUED

INFORMED



HUMAN OUTCOMES DRIVE BEHAVIOURS (AND SPEND!)

SHOP

RELAX

EAT

WHY I LOVE DOHA'S AIRPORT

VALUED

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TECH PEOPLE

ENVIRONMENT

INFORMED



OK,

GET TO THE TECH...

MY THREE OBJECTIVES



WHY WE DON'T DELIVER

MORE INNOVATION

WHAT NEEDS TO CHANGE

MY THREE OBJECTIVES

WE HAVE THE **TECH**

WHY WE DON'T

MORE INNOVATION

WHAT NEEDS TO CHANGE





ENE

Y

WHY I LOVE DIGITAL SIGNAGE

FLIGHT STATUS WAYFINDING **NEWS & WEATHER ADVERTISING** PROMOTIONS **IMMERSIVE EXPERIENCES** LOCAL CULTURE / SITES

HUMAN OUTCOMES DELIVERED



DIGITAL SIGNAGE TO ENGAGE YOUR CUSTOMERS

OF TRAVELLERS STATE DIGITAL SIGNAGE BODSTS TRAVEL RETAIL APPEAL

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Source: Kearney's "Travel Retail's Next Chapter", July 2024 (n=3,706)

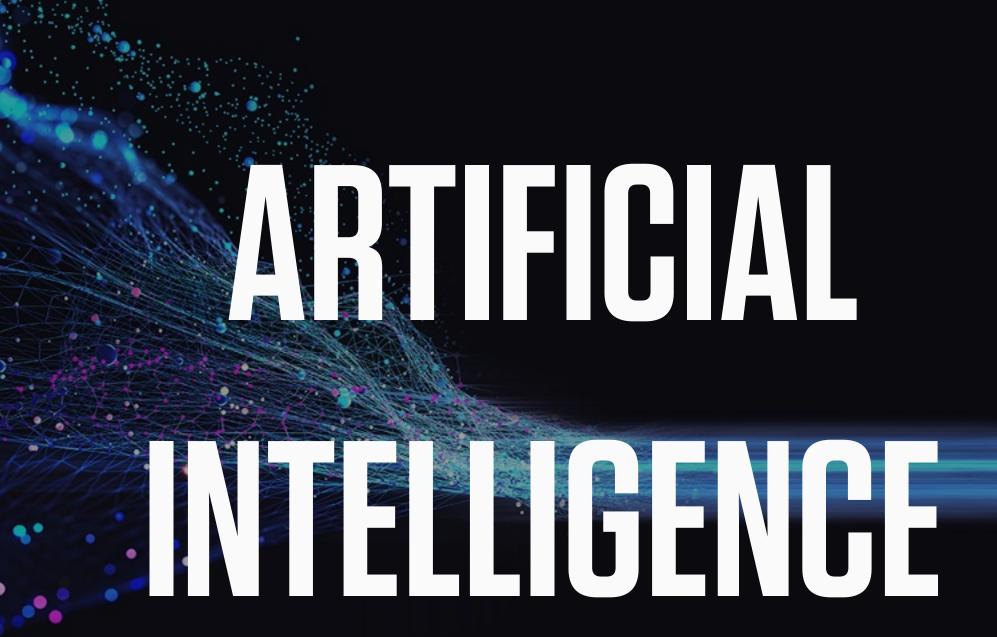
TURN RISK INTO OPPORTUNITY

OF TRAVELLERS STATE HIGH PRICES ARE THE MAIN REASON FOR NOT PURCHASING AIRPORT RETAIL

SOME IDEAS AIRPORTS ON LOCAL TARIFFS RETAIL BRANDS ON PRICE COMPETITIVENESS CREATE PERCEIVED VALUE



Source: Kearney's "Travel Retail's Next Chapter", July 2024 (n=3,706)



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AI & RETAIL

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DESCRIPTION OF RETAILERS INCREASED AI SPEND IN 2024

TOP USE CASES PERSONALISATION INVENTORY OPTIMISATION CUSTOMER SERVICE

OF RETAIL EXECS STATE AI WILL BE A CRITICAL INVESTMENT PRIORITY BY 2025

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Source: McKinsey Global Al Survey, 2024

WHAT IF WE COMBINED DGTAL SIGNAGE **SA**?

DIGITAL-OUT-OF-HOME (DOOH) ADVERTISING

TRADITION MEETS TRANSFORMATION

BARRIERS FOR DOOH ADVERTISING

HIGH UP FRONT COSTS UNCERTAIN ROI LOCAL VS. GLOBAL HEADCOUNT COSTS



AI: DRIVING DIGITAL ADVERTISING

USE <u>MULTIPLE</u> DATA SOURCES & AI TO IDENTIFY THE BEST...

AUDIENCE UOCATIONS TIMES PRICE Flow City

JCDecaux

British Journal of Photography

SITES GLOBALLY

20 CAMPAIGNS MANAGED

MAKING DOOH ADVERTISING ACCESSIBLE TO ALL

UPLOAD YOUR IMAGE SET YOUR BUDGET TARGET AUDIENCE **TARGET LOCATIONS**



ADDED **FIRST TIME ADVERTISERS** TO THE DOOH ECOSYSTEM





CLIENT: HEALTH & BEAUTY RETAILER

GOAL: DRIVE SALES OF HAYFEVER MEDICATION DURING 6-WEEK PEAK POLLEN SEASON

REQUIREMENT: SHOW ADS ONLY ON DAYS WITH HIGH POLLEN COUNT

RESULT: CAMPAIGN WAS INACTIVE FOR 7 DAYS DUE TO NO POLLEN COUNT, SAVING 18% OF BUDGET

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TARGET: 67 STORES IN LONDON

SCREEN TIME: 30,075 HOURS

IMPACTS: 27,995,150

DIGITAL SIGNAGE, A & ESPRESSO?

WHAT IF WE COMBINED

(AND A ROBOT)

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IT STARTS WITH GOOD ESPRESSO



The sum to committee an

YOU NEED GREAT COFFEE!

THE ROBOT BARISTA

MARKETING & ENGAGEMENT

OPPORTUNITY



COLUMN 1

PURPOSE SERVE COFFEE

Location: Changi Airport, 2025

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HOW TO LEVERAGE ELLA

ഷ് Go for more 489 Joako Double Espresso eL ഷ് Go for mor Go for more 488 481 Charles OI Double Flat White Espresso

CUSTOMER ENGAGEMENT

BRANDING

PROMOTION

INCREASED FOOTFALL



Location: e& Stand, Mobile World Congress Barcelona, 2025

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ee Go for more 479







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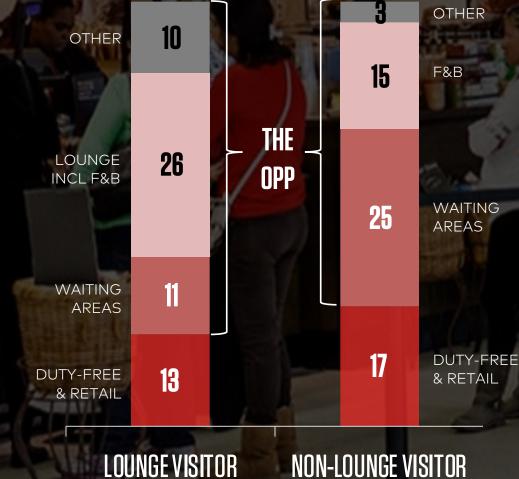
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Keukenhof

THE COMPETITION FOR DWELL TIME

60 MINUTES OF DWELL TIME



OTHER = SOCIAL MEDIA?

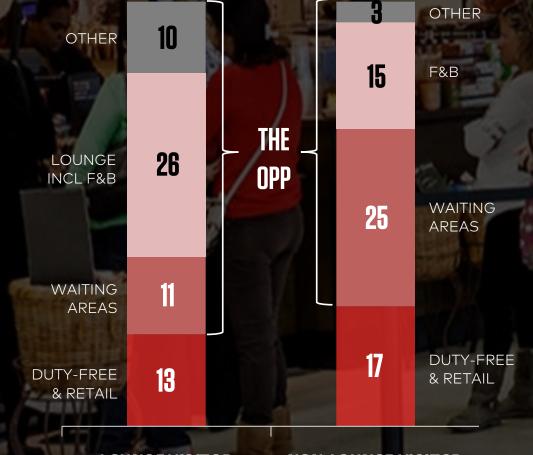


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Source: Kearney's "Travel Retail's Next Chapter", 2024

IN-STORE ESPRESSO BENEFITS

60 MINUTES OF DWELL TIME



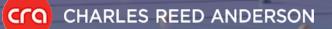
LOUNGE VISITOR NON-LOUNGE VISITOR

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COMBINE DWELL TIME SEGMENTS

INCREASED FOOTFALL CUSTOMER DATA CAPTURE CUPS FOR BRANDING SIGNAGE FOR PROMOS COSTS COVERED BY CHARGING FREE SOCIAL MEDIA

Source: Kearney's "Travel Retail's Next Chapter", 2024



GEN AL TECHNOLOGY FINALLY SPEAKS OUR LANGUAGE

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GEN AI WILL FOLLOW AMARA'S LAW

WE TEND TO OVERESTIMATE

THE EFFECT OF TECHNOLOGY IN THE SHORT RUN...

INDERESTIMATE

...AND

THE EFFECT IN THE LONG RUN...

200000000

TRADITIONAL AL VS. GENERATIVE AL



TRADITIONALAI vs. GENERATIVE AI

WHAT

AUTOMATE TASKS & Improve Efficiency EMPOWER HUMANS TO DO MORE, FASTER

FOLLOWS RULES, LEARNS PATTERNS, REPLICATES HUMAN DECISION-MAKING

GENERATES NEW CONTENT FROM TRAINING DATA

AUTOMATION & OPTIMISATION

GOAL

HOW

HUMAN-MACHINE COLLABORATION

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TRADITIONALAI vs. GENERATIVE AI



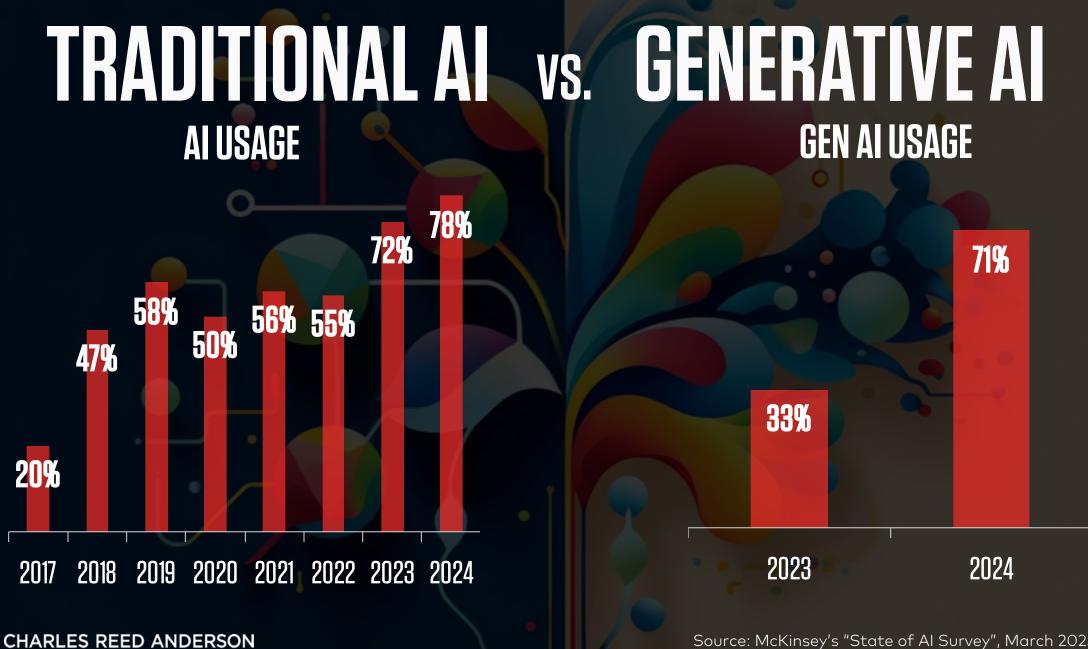
RECOMMENDATIONS

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TEACH ME ABOUT... CREATE ME AN IMAGE OF... E HELP ME TROUBLESHOOT... SUMMARISE THESE ... E

INTERN

REWRITE THIS...



cra

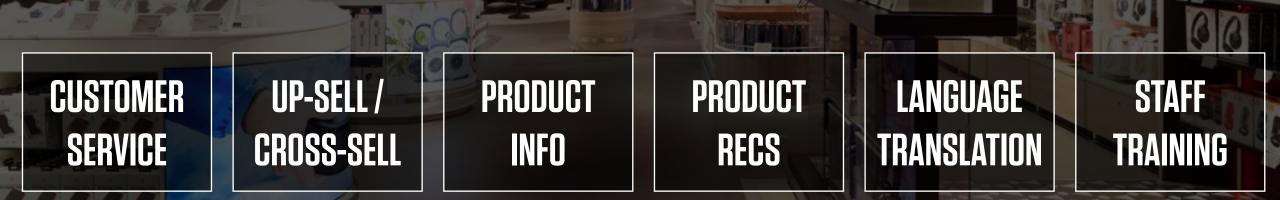
Source: McKinsey's "State of Al Survey", March 2025 (n=1,491)

GEN AI IN REAL LIFE

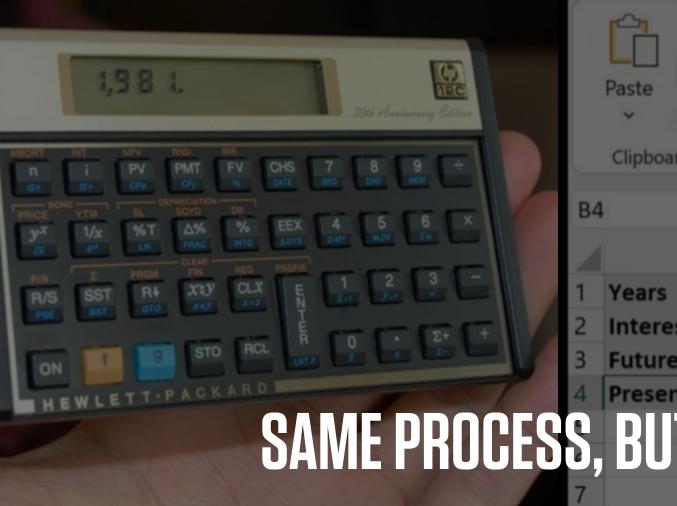
Jeistra "One sentence" Customer Overview

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GEN AI IN TRAVEL RETAIL: TIME = MONEY



WHAT DOES GEN AI HAVE IN COMMON WITH EXCEL?



9

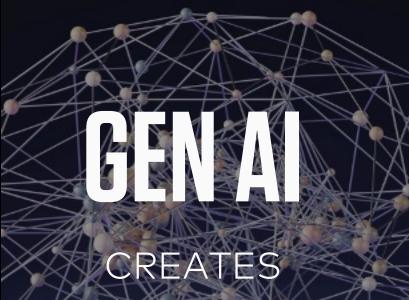
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3	Futur	e Value	\$	50,000			
4	Prese	nt Value	(\$30,	695.66)			
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A GENTIC A



AUTOMATES



AGENTIC A ACTS

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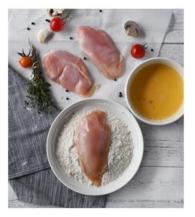
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AI COULD HELP WITH DINNER?



A AUTOMATES: ORDERING INGREDIENTS ONLINE

SELECT...



redmart

Sasha's Fine Foods Chicken Breast Boneless Skinless - Frozen

**** Ratings 27

Brand: Sasha's Fine Foods | More Frozen from Sasha's Fine Foods

Pack Size 400 g Place of OriginProduct TypeMalaysiaFrozen

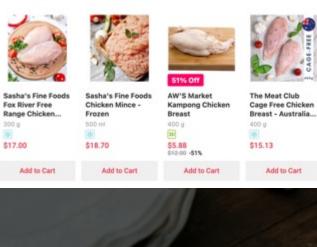
\$15.64



Add to cart

Only 40 items left

AI PROVIDES RECOMMENDATIONS





Add to Cart





Sasha's Fine Foods

Add to Cart

Master Grocer 99% Fat Free Chicken Breast Skinless...



Add to Cart

\$33.81

Toh Thye San Farm Chicken Mince -... 250 g 180 \$10.60

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GEN AI CREATES: DINNER COOKING PLAN

GEN AI RESPONSE

I have chicken breast, white asparagus and potatoes in the fridge. I have an oven and sous vide. What should I make for dinner?

That's a fantastic combo — here's a refined but easy **spring-inspired dinner** using your **chicken breast**, **white asparagus**, **and potatoes**, with both **sous vide** and **oven** techniques:

Sous Vide Chicken Breast with Roasted Potatoes & White Asparagus with Hollandaise

Total time: 1.5 hrs (hands-on time ~30 mins)

🐔 Step 1: Sous Vide the Chicken

- Temp: 63.5°C / 146°F
- Time: 1 hour
- Seasoning: Salt, pepper, a sprig of thyme or rosemary, and a bit of garlic or lemon zest if you have it
- Vacuum seal or use a Ziploc with the water displacement method.

Step 2: Roast the Potatoes

- Cut into small cubes or wedges.
- Toss with olive oil, salt, pepper, rosemary (or whatever herbs you like).

(Hillings

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AGENTIC AI ACTS: DINNER IS SORTED

Make Dinner. MY REQUEST

ACTION WITH CONTEXT







ORDER MISSING INGREDIENTS



SELECTS THE WINE PAIRING

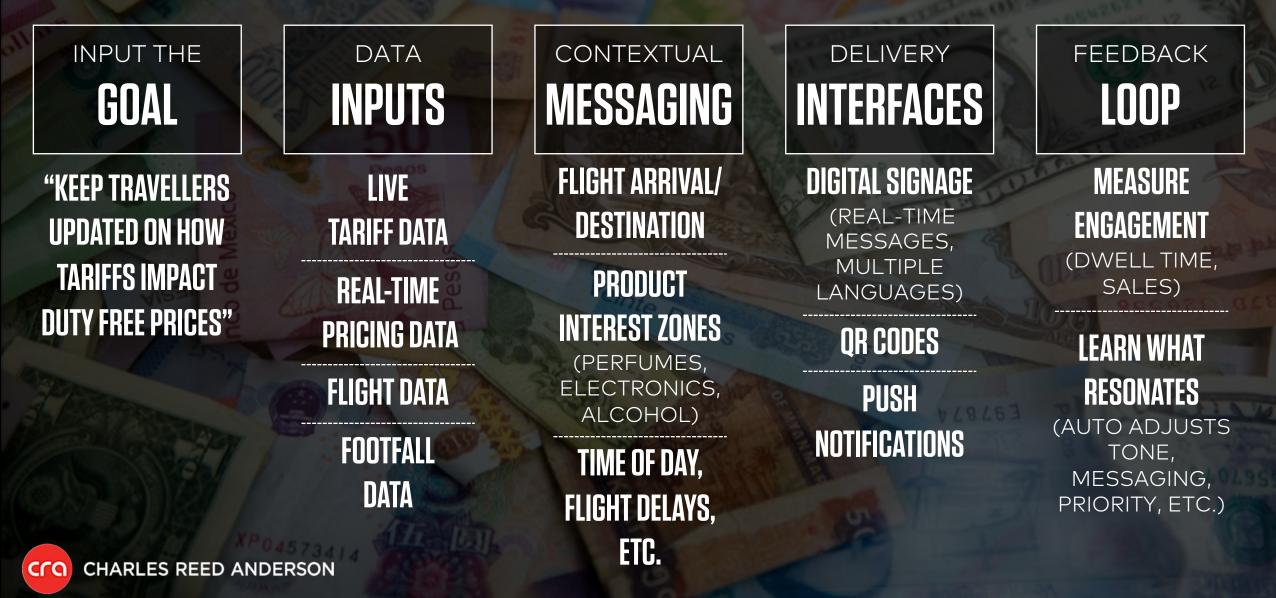


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SO, WHAT GAN AGENTIC ALDO?

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HOW AGENTIC A HELPS EDUCATE TRAVELLERS ON TARIFFS



AGENTIC AL YOU DON'T NEED TO UNDERSTAND THE TECH!



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AGENTIC AL: UNDERSTAND THE CONCEPT AND WHAT IT DELIVERS

INPUT THE **GOAL**

"KEEP TRAVELLERS UPDATED ON HOW TARIFFS IMPACT DUTY FREE PRICES" FLYING TO AUSTRALIA?

NEW IMPORT RULES MEAN EXTRA SAVINGS ON SINGLE MALTS

TODAY -UP TO \$12 OFF.



新的进口规定让 您今天购买单一

麦芽威士忌可享 更多优惠—— 最高立减 \$12。 LONG HAUL FLIGHT AHEAD? STOCK UP ON HYDRATING SKINCARE

DUTY FREE PRICES REFLECT UPDATED IMPORT SAVINGS. UP TO 20% OFF!

MY THREE OBJECTIVES



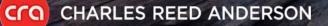
WHY WE DON'T

MORE INNOVATION

WHAT NEEDS TO CHANGE



DRIVING TRANSFORMATION IS



WE ARE NOT LEARNING FROM OUR MISTAKES

OF DIGITAL TRANSFORMATION **BACING PROJECTS FAIL** TO ACHIEVE THEIR GOALS



Source: Bain & Company, Apr 2024 (n=400)

TRANSFORMATION HAS A PEOPLE PROBLEM

UNDERSTAND YOUR USER PROFILES

ADAPT JOB PROFILES & CUSTOMER EXPERIENCE

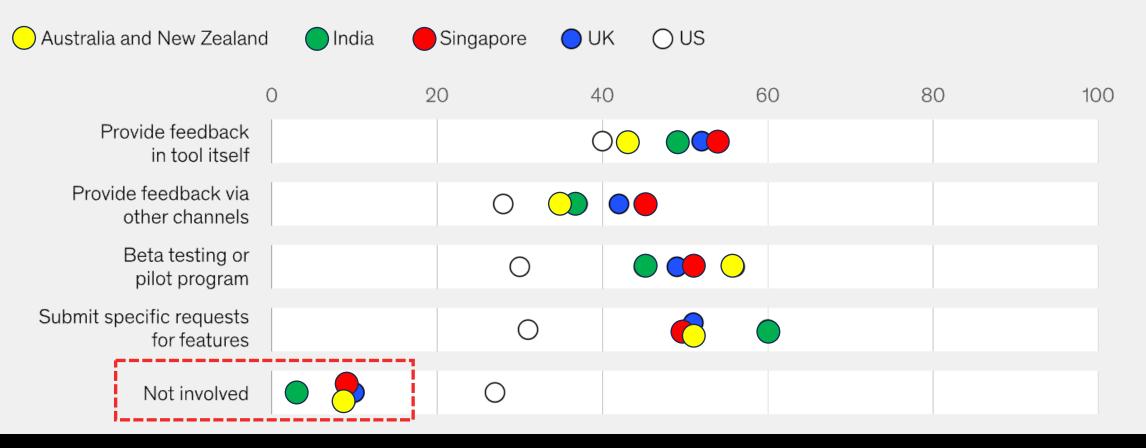
CREATE FEEDBACK LOOPS

INVEST HEAVILY IN USER TRAINING

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ASIA PACIFIC LEADS THE WAY WITH EMPLOYEE INVOLVEMENT IN GEN AI

Employee involvement in developing gen Al tools, % of respondents





THE INDUSTRY'S APPROACH TO AI



THREE AI CHALLENGES VENDORS DON'T TELL YOU ABOUT



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RETAIL'S DATA CHALLENGE

COMPLETELY CAPTURE CUSTOMER DATA

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BADE STATE

A296 HARMONISE THE DATA

Source: Salesforce & Retail Al Council Report, 2024 (N=1,300)

THE RETAIL REALITY

176

OF RETAILERS HAVE A **COMPLETE, SINGLE VIEW** OF THEIR CUSTOMERS AND CAN HARNESS THE DATA EFFECTIVELY

Source: Salesforce & Retail Al Council Report, 2024 (N=1,300)

RISK OF NEGATIVE CUSTOMER

PERCEPTION

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AI'S PERCEPTION PROBLEM

Subscribe



The Washington Post

Alexandra Petri I hate the Gemini 'Dear Sydney' ad more every passing moment

You're missing it! You're missing all of it! July 31, 2024

6 4 min A □ 1005



Let me tell you about the Gemini "Dear Sydney" ad. This ad for Google's AI product is very bad.

Source: Washington Post, July 2024

CONTENT Generation

a'

News

■ Forbes upestyle > arts

Coca Cola's AI-Generated Ad Controversy, Explained

This year, Coca-Cola's Christmas ads are AI-generated and deeply uncanny, sparking online backlash from those who claimed the magic had been lost.

By Dani Di Placido. Senior Contributor. () Dani Di Placido covers film,... 👻 Follow Author. Published Nov 16, 2024, 05:34pm EST

< Share 🛛 Save 🕅 Comment 4



Source: Forbes, Nov 2024

UNAUTHORISED USAGE



ion Sport Culture Lifestyle



• This article is more than 7 months old

Meta's AI is scraping users' photos and posts. Europeans can opt out, but Australians cannot

Meta's director of privacy policy declines to say whether such an option would be offered to Australians in the future

Source: The Guardian, Jan 2025

DATA Privacy

Login &

DOUNEWS



Source: ABC, June 2019



WHEN GOOD TECH CREATES



TECHNOLOGY TRUST ISSUES

MY REQUEST

I need a few examples of Chatbots behaving badly.

GEN AI RESPONSE

- Uber Eats Japan (2021): Racist Chatbot Responses
- What happened: Users interacting with Uber Eats Japan's support chatbot were served racially insensitive responses
 when asking questions in mixed languages or slang.
- Impact: Social media backlash was swift. Uber had to issue a public apology and temporarily shut down the chatbot for retraining.
- Why it matters: Demonstrates the risk of bias and inappropriate training data—especially in multicultural or multilingual contexts.

MY FOLLOW UP QUESTION

Can you give me more info on the Uber Eats example? I don't remember it.

GEN AI RESPONSE

I apologize for any confusion earlier. Upon further investigation, there doesn't appear to be a documented incident involving Uber Eats Japan's chatbot providing racially insensitive responses in 2021.

THAT WAS YOUR COMPANY'S

CHATBOT?





MY THREE OBJECTIVES



WHY WE DON'T DELEGATION

WHAT NEEDS TO CHANGE



SECURITY SUPPORT

TECHNOLOGY

INTEGRATION

CONNECTIVITY PLATFORMS APPLICATIONS

STORAGE

ORGANISATION



ONE SOLUTION = MULTIPLE PRODUCTS & VENDORS

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DEVICES

⁰_.

AIRPORT COLLABORATION

VALUED

INFORMED

ENGAGED

CHECK-IN

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SECURITY

DWELL TIME

BOARDING

ENGAGE THE

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SINGAPORE'S GEN AI SANDBOX



SALES & MARKETING CREATE TAILORED MARKETING CONTENT

CUSTOMER ENGAGEMENT TOOLS LIKE GENERATIVE AI CHATBOTS

Enterprise Singapore & IV MEDIA DEVELOPMENT AUTHORITY

A LESSON FROM DARWIN'S SMART CITY AI DEPLOYMENT



TRACK VEHICLE & PEDESTRIAN



ETHICAL USE OF AI





IMPLEMENTED GOVERNANCE STRUCTURE

CITIZEN ENGAGEMENT PROGRAMMES







TOP GEN AI RISKS FOR RETAILERS

50% BIAS

BOBBONE HALLUCINATIONS

BRAND RISK!!!

35% TOXICITY



Source: Salesforce & Retail Al Council Report, 2024 (N=1,300)

THE RISE OF ETHICAL AI

BORK IN COR HU IS RE

OF EXECS BELIEVE HUMAN OVERSIGHT IS ESSENTIAL TO REDUCE AI RISKS

Source: Salesforce & Retail Al Council Report, 2024 (N=1,300)







THE WAY WE WORK, LIVE, AND PLAY



IT'S ALL ABOUT

Cro Charles Reed Anderson

TECHNOLOGY EXISTS TO DELIVER HUNAN OUTCOMES









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