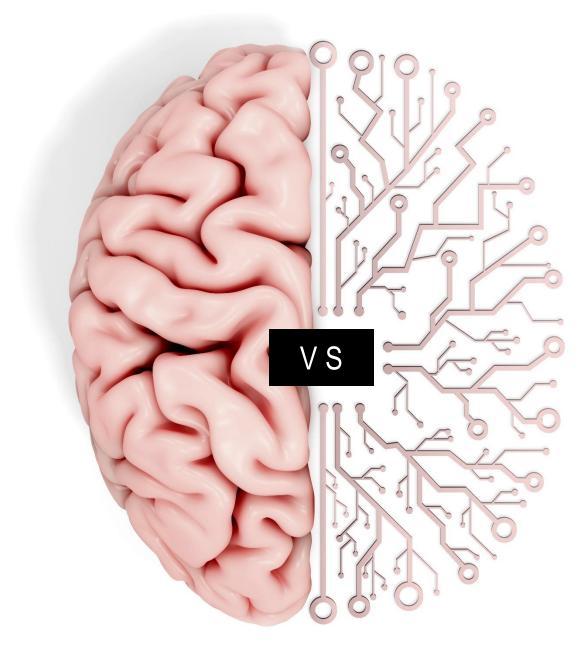
THE HUMANS



THE MACHINES

M/GN1 IPG MEDIA LAB true[X]

THE DIGITAL UNIVERSE IS HUGE – AND GROWING EXPONENTIALLY

2.5 EXABYTES ARE PRODUCED EVERY DAY - WHICH IS EQUIVALENT TO ...



90YRS

OF HD VIDEO



5M

LAPTOPS



150M

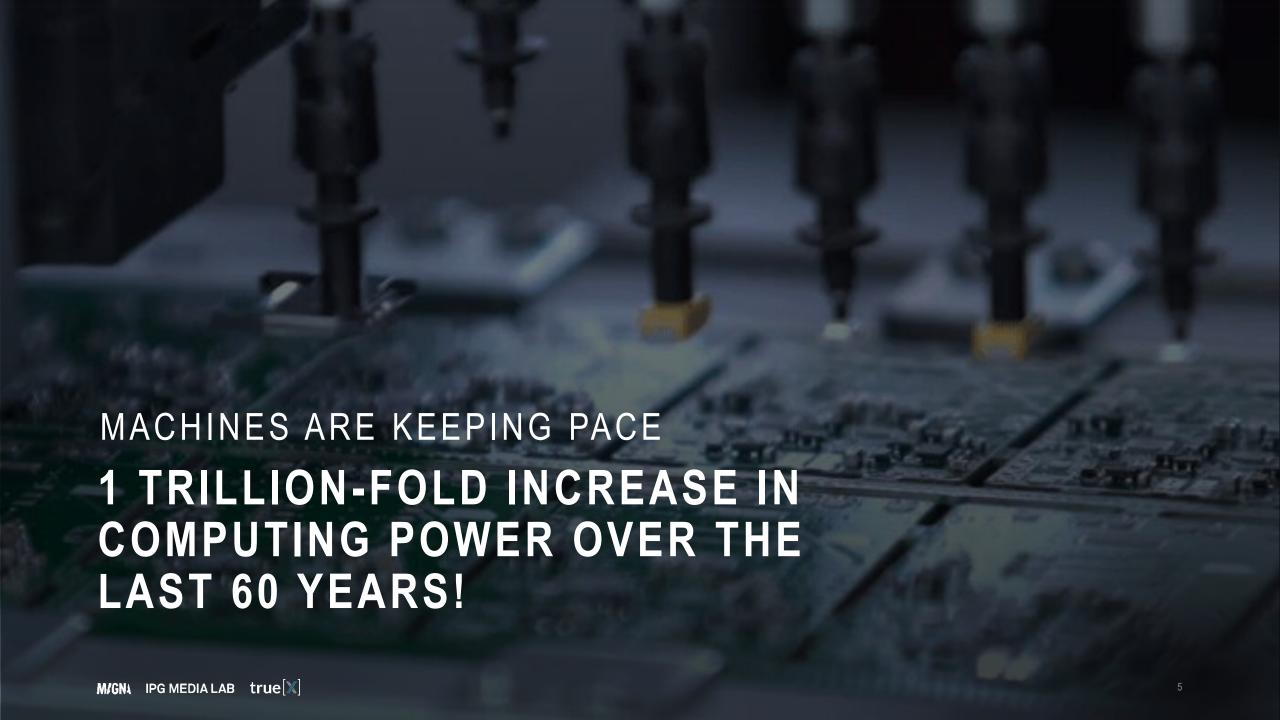
IPHONES



530E

SONGS

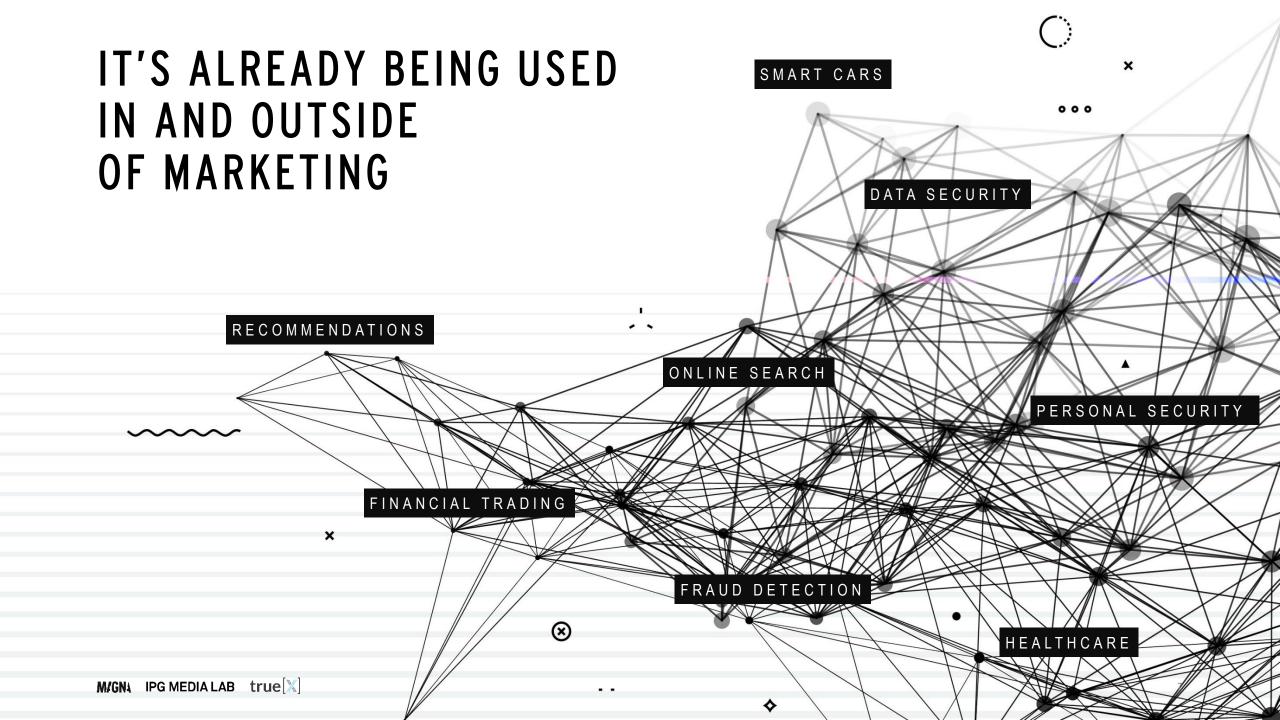
HUMAN BRAINS AREN'T EVOLVING QUICKLY ENOUGH

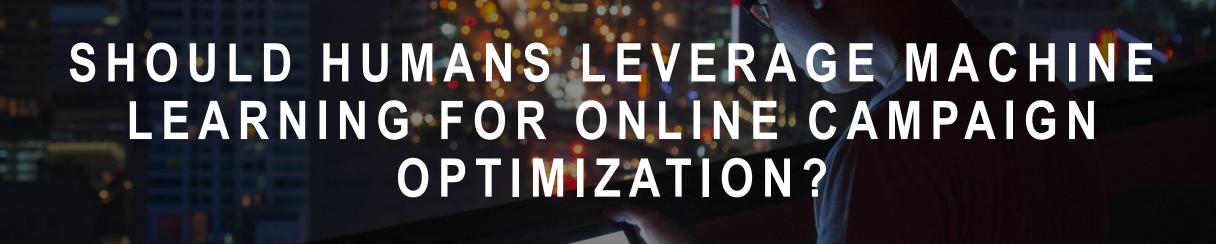


ENTER MACHINE LEARNING.

- USING ALGORITHMS TO FIND PATTERNS, LEARN, AND PREDICT OUTCOMES IDEAL FOR BIG DATA



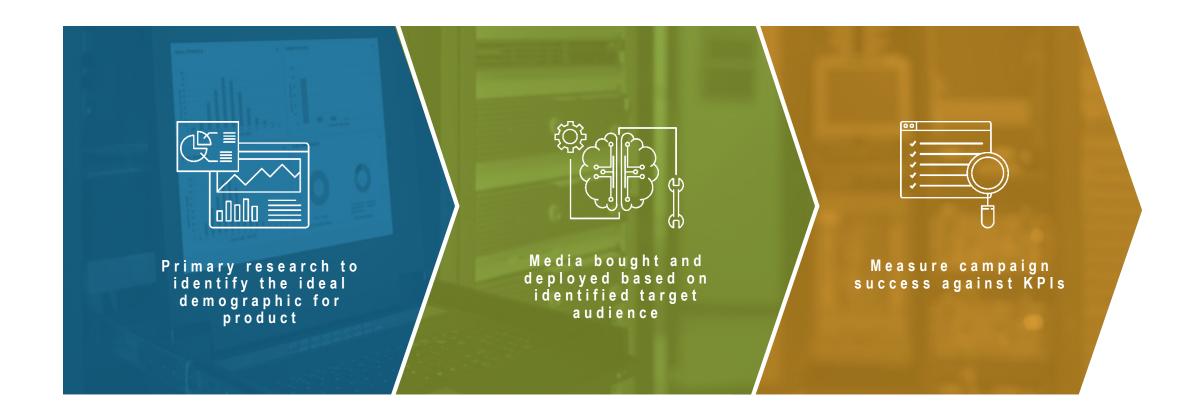




IPG MEDIA LAB true ☒

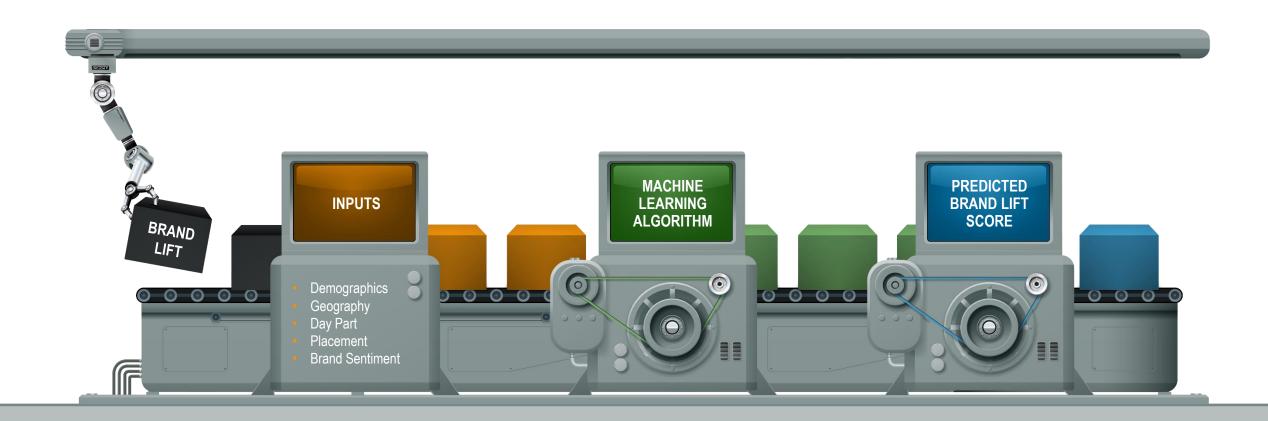


THE HUMAN APPROACH



THE MACHINE APPROACH: ADVANCING THE HUMAN APPROACH

TRUE[X] LEVERAGES UP//LIFT TO DELIVER IN TARGET BRAND LIFT PREDICTIONS PRIOR TO EXPOSURE



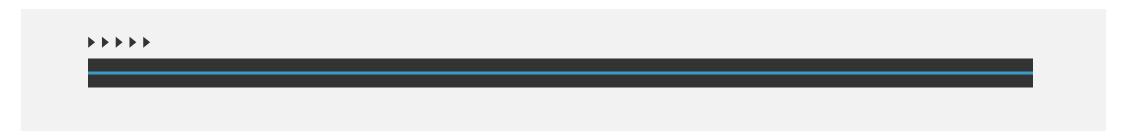
METHODOLOGY

TEST GROUP - BRAND AD SHOWN — Brand Sentiment Poll for Optimization — Brand Lift Survey to Measure Success

Machine Decision
Optimizes towards top 80% of impressions

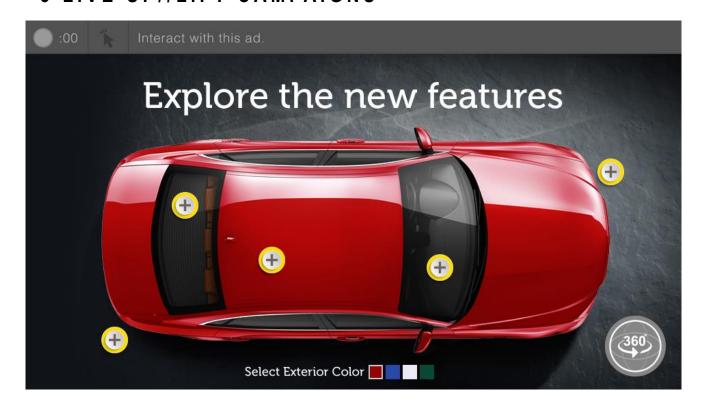
Learning Period
Human Decision
Human Decision
No change in targeting

CONTROL GROUP - NO AD SHOWN



CAMPAIGN DETAILS

3 LIVE UP//LIFT CAMPAIGNS



TIMING



Each campaign/ measurement period was approximately 1 month

SAMPLE SIZE

N=5,750

AD FORMAT

User opt-in :30 seconds At least 1 interaction with creative 100% share of screen



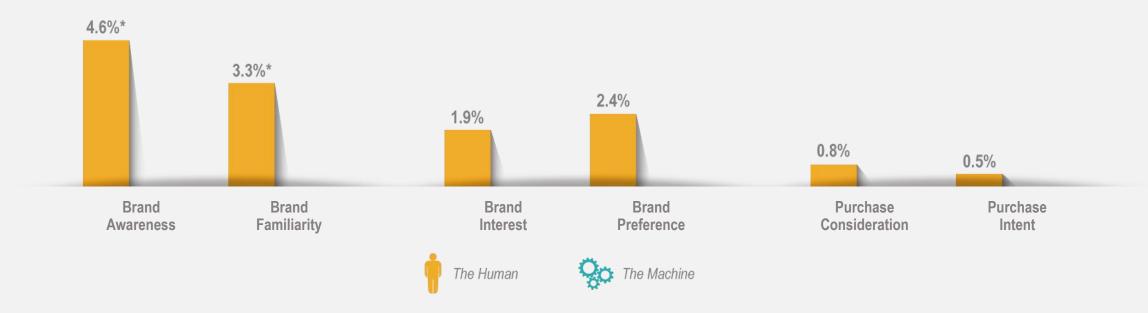
HUMAN WORKED FINE.

IMPACT OF HUMAN DRIVEN CAMPAIGNS - DELTAS (TEST-CONTROL)

KNOWING THE BRAND

ENTHUSIASM FOR THE BRAND

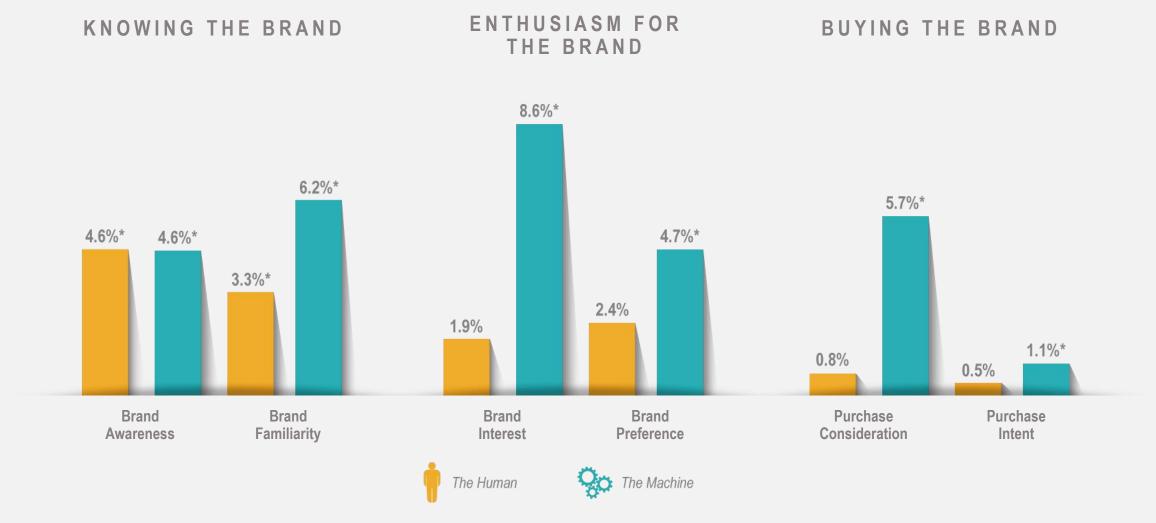
BUYING THE BRAND



MACHINE WORKED BETTER.

IMPACT BY CAMPAIGN TYPE - DELTAS (TEST-CONTROL)



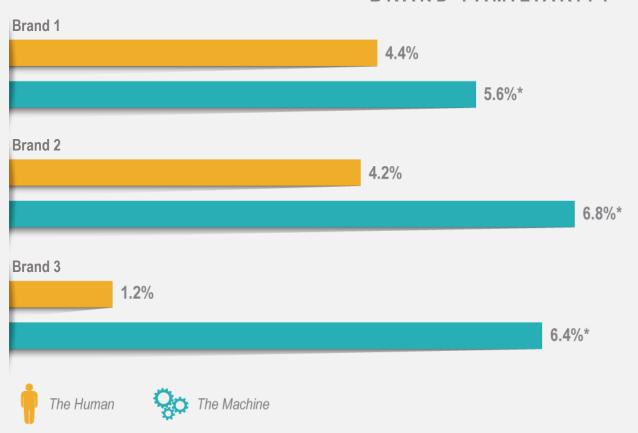




WHEN THE MACHINE GETS TO KNOW THE CONSUMER, THE CONSUMER GETS TO KNOW THE BRAND

IMPACT ON 'KNOWING THE BRAND' - DELTAS (TEST-CONTROL)

BRAND FAMILIARITY

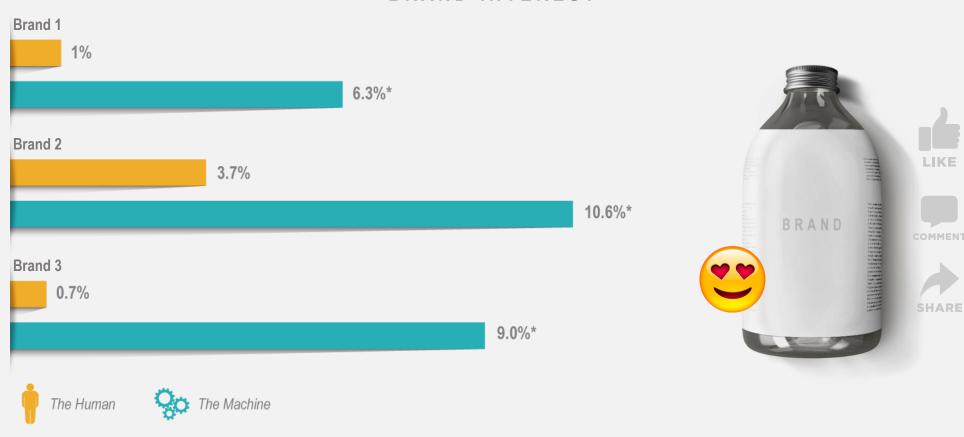




THE MACHINE REACHES THE MOST RECEPTIVE AUDIENCE

IMPACT ON 'ENTHUSIASM FOR THE BRAND' - DELTAS (TEST-CONTROL)

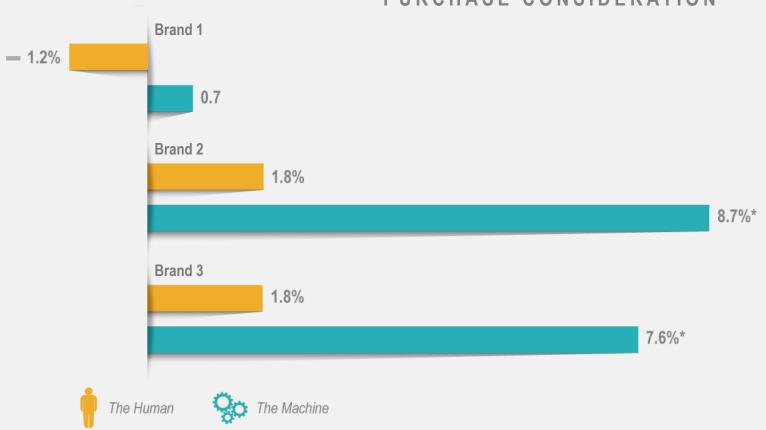
BRAND INTEREST

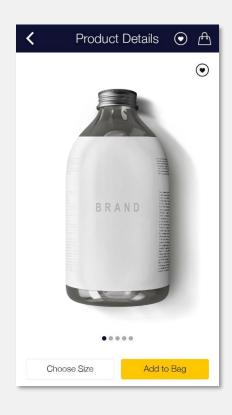


AND, ULTIMATELY PRIMES CONSUMERS TO MAKE A PURCHASE

IMPACT ON 'BUYING THE BRAND' - DELTAS (TEST-CONTROL)

PURCHASE CONSIDERATION





GREATER IMPACT OCCURRED DESPITE LOWER FREQUENCY

AVERAGE FREQUENCY



4.13

Ad Exposures



3.08

Ad Exposures

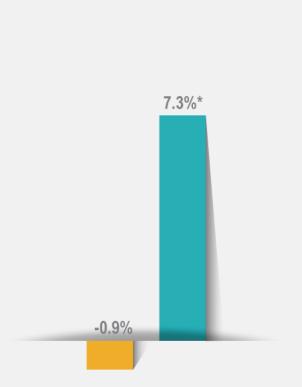
INITIAL EXPOSURES PRODUCE SIMILAR IMPACT ON FAMILIARITY, BUT MACHINE WAS MORE PERSUASIVE

IMPACT AT FREQUENCY <= 2 - DELTAS (TEST-CONTROL)</pre>

BRAND FAMILIARITY

PURCHASE CONSIDERATION







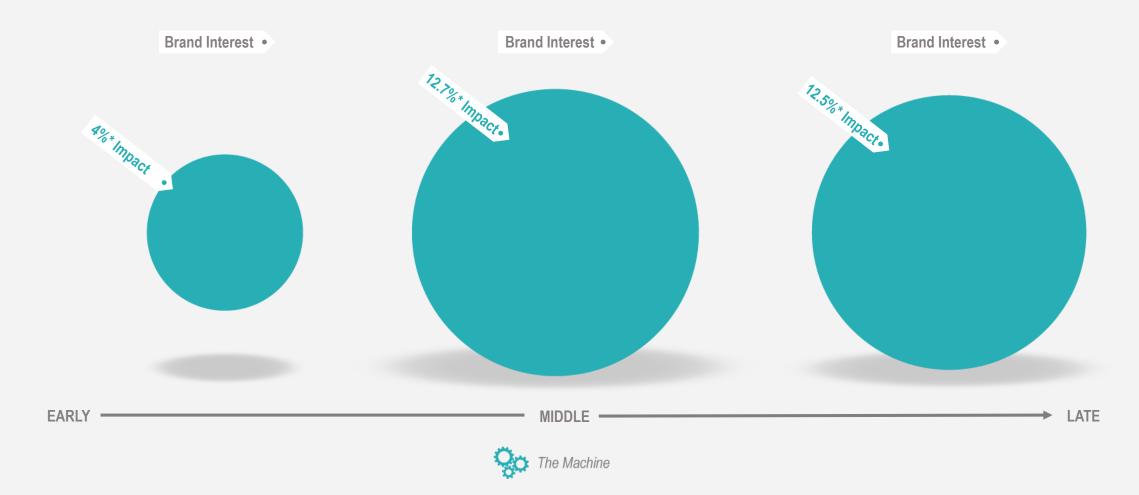




MATURING AI MACHINES LEARN OVER TIME

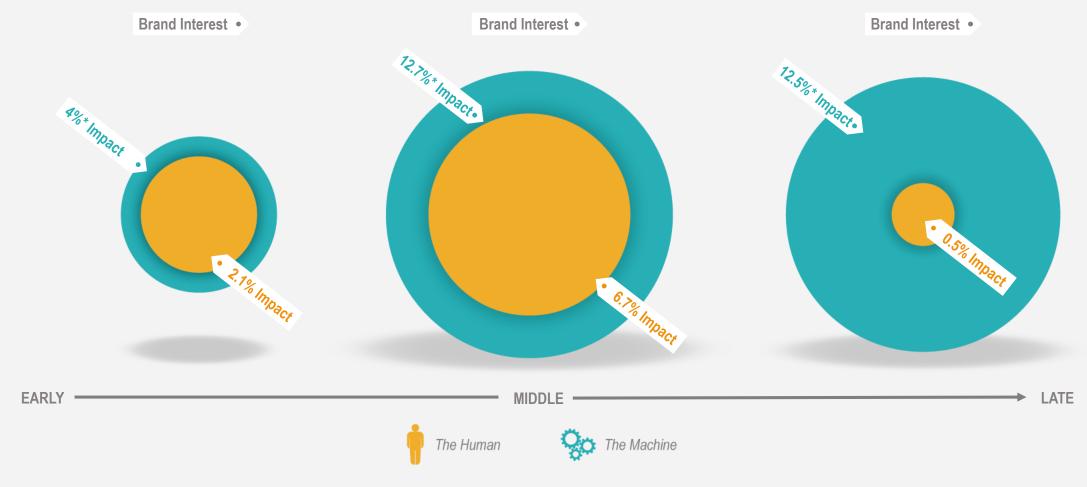
MACHINE BECAME SMARTER WITH MORE DATA

IMPACT ON BRAND INTEREST ACROSS TIME - DELTAS (TEST-CONTROL)



MOMENT BY MOMENT OPTIMIZATION NOT SEEN WITH HUMAN PLANNED CAMPAIGNS

IMPACT ON BRAND INTEREST ACROSS TIME - DELTAS (TEST-CONTROL)





CAN WE SIMPLY MIMIC THE MACHINE'S LEARNING?

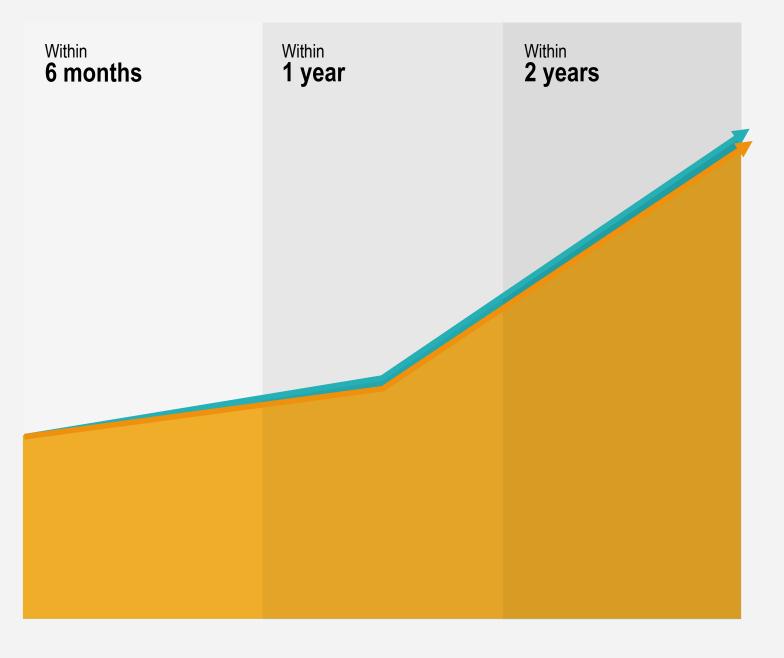
BOTH REACHED THE SAME OF THOSE IN-MARKET

IN-MARKET FOR ADVERTISED PRODUCT BY CAMPAIGN TYPE



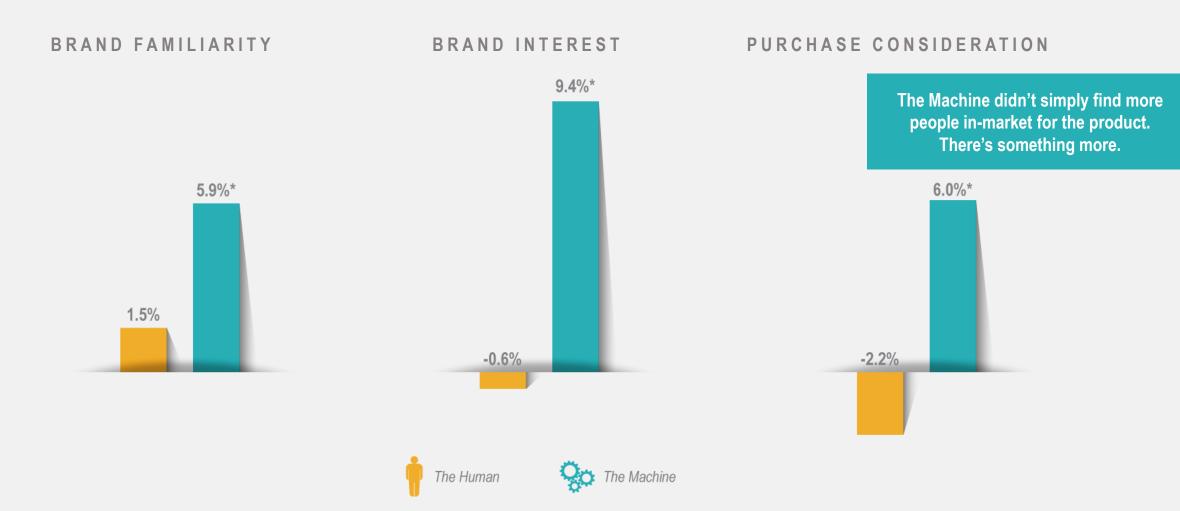
The Human





MACHINE OUTPERFORMED AMONG THOSE IN-MARKET FOR THE ADVERTISED PRODUCT

IMPACT BY CAMPAIGN TYPE AMONG IN-MARKET FOR PRODUCT - DELTAS (TEST-CONTROL)



IT'S THE VARIABLE HUMANS CAN'T EASILY PINPOINT.

IT'S ONLY REVEALED BY PATTERNS IN BIG DATA. PATTERNS THE MACHINE CAN FIND.

THE HIDDEN VARIABLE IS ...

(AD RECEPTIVITY)

SURVEY TECHNIQUES NEXT GENERATION BRAND LIFT

LONG SURVEYS ARE NOT FOR EVERYONE



HIGH DROP-OUT RATES



BURDENSOME CONSUMER EXPERIENCES



FATIGUE LEADING TO POOR DATA QUALITY



MISSED
OPPORTUNITIES
WITH HARD TO
REACH AUDIENCES

WHAT'S THE ALTERNATIVE?

TRADITIONAL BRAND LIFT SURVEYS

Survey Style

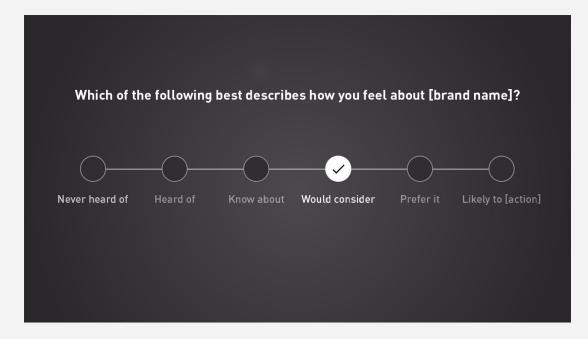
Matrix question for each metric in the funnel:



BRAND FUNNEL IMPACT (BFI) SURVEYS

Survey Style

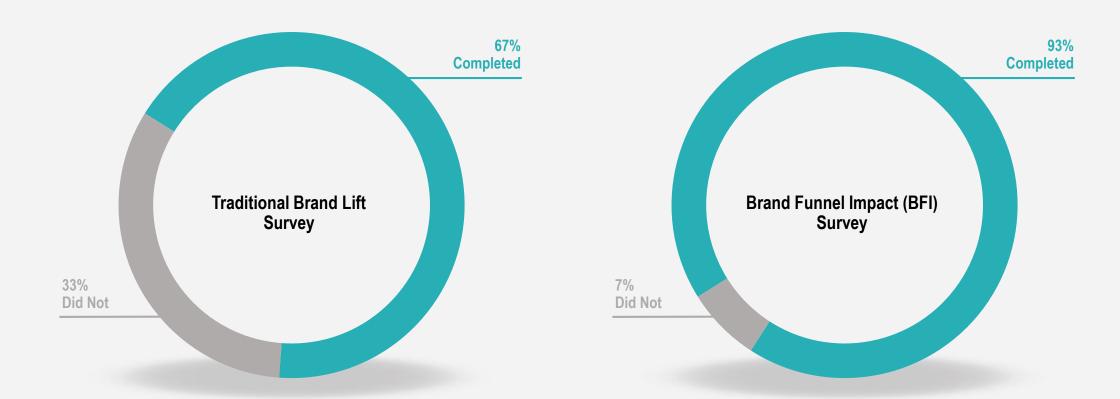
Asks a single question to shorten the survey experience::



THE SHORTER, THE SWEETER

IMPACT OF SURVEY METHOD | PERCENT WHO COMPLETED SURVEY

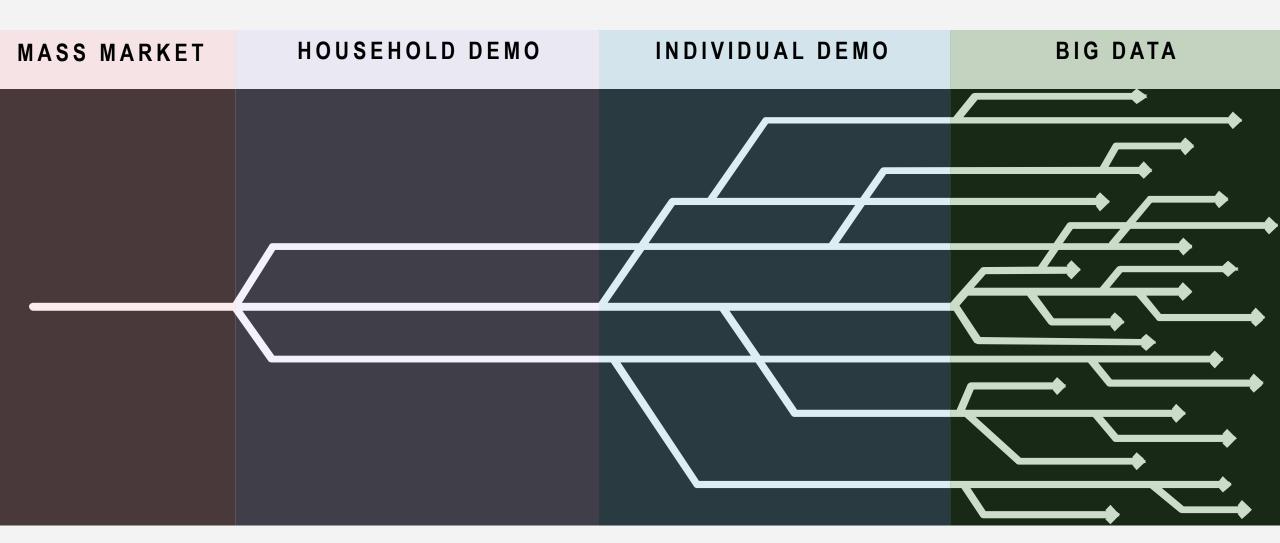
SURVEY COMPLETION





WE'VE COME A LONG WAY.

EXPLORE USING MACHINE LEARNING TO BROADEN YOUR TARGET AND AVOID MISSING OUT ON CONSUMERS WHO MAY BE RECEPTIVE TO YOUR AD.



KEY FINDINGS



HUMANS + MACHINES

Leveraging machine learning for ad targeting allows humans to push beyond the confines of standard targeting techniques.



RECEPTIVITY. NOW TARGETABLE.

Machine learning can help identify and target the most receptive consumers, not just demographics. This translates into bigger impact on brand KPIs.



IT'S TIME FOR MEASUREMENT INNOVATION.

Consumer feedback fuels important marketing decisions. Marketers should aim to improve the consumer survey experience, by finding the right balance between survey length and data collection needs.