Marketing In The Age Of Al INSPIRE | INNOVATE | INTEGRATE



INTELLIGENT EFFECTIVENESS Measuring the ROI of AI on Optimization and Personalization

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Accelerating Learning and Value from AI-Driven Personalization

Research Objective:

• Can impression-level AI optimization of content versions drive significant lifts in digital media performance

Opportunity:

- Quantify the value of an AI-driven delivery engine leveraging contextual data
- Derive benchmarks and economic impact projections across MMA Global member case studies

Results:

• 5 brands with an average lift of 100%+ across mix of video, display, and audio campaigns on open web (Kroger, GM, ADP, Monday.com, Shell), with others in the field or planning for launch globally

MMA Global Value Add:

- Coaching on test design, analysis of campaign results, and collaboration on learning agenda to continue to evolve CAP roadmap
- Showcase case study "on stage" at premier MMA Global events such as Impact , Innovate etc
- Positioning your brand as a cutting-edge company in the industry

Requirements

- In-market paid media campaign (open web) one-month+ in market w/40M impressions
- Content/creative provided by brand or agency
- MMA recommends a tech partner given capability fit, results and ease of execution



We "know" that personalization works



2 Versions x 1 audience =

20% lift



The real question is how do you create rules for millions of audience combinations?

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4					

72 Total Versions

1,852,200 Audience variations

- DMA X
- Time X
- Day of Week X
- Device OS X
- Connection type X
- Segment X
- Other data signals X

133,358,400

opportunities to find value in the Interactions between message & audience

Hypothesis is that AI allows you to harness those combinations

The result is lots of little optimizations that add up to big gains



III ... and that AI Personalization can deliver large performance gains without large costs



2-3x More Lift

Half the cost (effort)

400% to 600% higher ROI



Test results to date > 100% lift for digital KPIs





Display example: Kroger



Kroger had a significant lift in their KPI via 72 creative versions and allowing the AI to optimize at the impression level.



AI MODEL SIGNALS: SEGMENTS | DMA | TIME of DAY | DAY of WEEK | DEVICE | CONNECTION

The Upside is Big Kroger's test resulted in a 259% increase for the target KPI over the randomized control

Results



Key Learnings

- Al optimization of display ad creative can deliver even larger performance gains than expected
- Ads for newer products may be more easily impacted by this type of optimization
- Creative development requires new approaches to briefing process



Web Form example : ADT

ADT tested AI optimization in a display campaign with 81 distinct DISPLAY variations of the creative

Test Parameters

Brand: ADT

Product: Home alarms

Media Type: Display

Ecosystem: Open Web

Data Provided to ML Model: DMA, Time, Day of Week, Device OS, Connection type (cable, mobile, corporate, etc.)

Optimized KPI: Webform submit

Creative

81 Total Versions:

(3 templates x 3 images x 3 headlines x 3 CTA = 81)





Video example: GM



General Motors leveraged 15 different creative versions for our Al to optimize at the impression level to deliver a significant lift in performance KPI



AI DATA SIGNALS: SEGMENTS | DMA | TIME of DAY | DAY of WEEK | DEVICE | CONNECTION

Audio example: Monday.com

140000 3 120000 2.5 100000 2 **↓**)) 80000 1.5 **(**) 60000 1 40000 0.5 20000 0 Female Male. B2. Female Full BO. Female Male B3. Female-Full-B2. Female-Full-B1. Malefemale.B2. Male Female. BO. MaleFulle1. Malefenale.B3. Female Male. B1. Male Female. B1. Female Male BO. Wale Full 83. NaleFullB2. Female Full B3. MaleFull.BO. DCO_EvPM Lift RND EvPM □Volume

Volume & Optimization, Ranked By Total Conversions

Brand: Monday.com Channel: Audio Creative Versions: 16 Audience: One Line item Impressions: 815,848 KPI: Visit and Sign Up

+188%

Total average lift across creative versions against randomized non-AI holdout



SINGLE AUDIENCE

What we know so far

	Kroger	ADT	GM	monday.com	
Theme	Upside is BIG	Audience Matters	Creative diversity	Power of interactions	
KPI Improvement	+259%	+136%	Test 1: +68% Test 2: No lift	+188%	
Media Type	Display	Display	Video	Audio	
KPI being optimized	Webpage visit	Web form submit	Webpage visit	Website visit & App install	
# versions	72	81	15	16	
Ecosystem	Open web	Open web	Open web	Open web	
Data available to ML model	DMA, Time, Day of Week, Device OS, Connection type (cable, mobile, corporate, etc.)	DMA, Time, Day of Week, Device OS, Connection type (cable, mobile, corporate, etc.)	Segment (core, youth), Device OS, Connection type (cable, mobile, corporate, etc.), US geo	DMA, Time, Day of Week, Connection type (cable, mobile, corporate, etc.)	



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So how do you leverage this Opportunity

MMA technology partner

Patented technology with best results to date

AI Technology Overview:

- Paid media Omni Channel
- Predictive AI creative decisioning at the impression level •
- Maximizes every in-market ad variation •
- Does not require a change in existing media stack
- Setup is a low lift process vs traditional DCO •
- Real time performance available via dashboard ٠
- **GENERATING AN AVERAGE OF > 100% LIFT** •









OLV/CTV















Additional layer passing data and content No change in media buying as part of test campaign





More content versions than DCO and easier to execute





Al groups cohorts within an audience Optimize matching of content versions to audience clusters



(eq 18-44 HH w/Pet)





Group 1: (TH: 12pm: iOS: V3.1: Austin) Group 2: (MO: 5pm: Android: V13.1: Chicago) Group 3: (SU: 6am: MAC: v10.1: NYC)



Al is constantly driving performance Learning vs. 10% control with randomized delivery of content versions (Al turned off)



- 10% of the impression served will receive a ٠ randomly generated creative, effectively turning the Al machine learning and optimization OFF.
- This will ease setup process, but also showcase ٠ the lift that AI machine learning and optimization drives against a rotation of creatives
- The same creative variations will be used in both the holdout cell and the AI optimized cell



Modular approach to content versions Humans still involved, but less 30 days to launch

CREATIVE AI MODELS (15-125 versions)





Theme 1: IMG: 2 Headline: 1 CTA: 3 Theme 2: IMG: 1 Headline: 2 CTA: 1 Theme 1: IMG: 3 Headline: 3 CTA: 2

Al matches the right content version per impression Predictive model based on low latency KPI





Theme 1: IMG: 2 Headline: 1 CTA: 3 Group 1: (TH: 12pm:iOS: V3.1: Austin)



Theme 2: IMG: 2 Headline: 1 CTA: 1 Group 1: (MO: 5pm: Android: V13.1: Chicago)



Theme 3: IMG: 2 Headline: 1 CTA: 3 Group 3: (MO: 5pm: Android: V13.1: Chicago)



Theme 1: IMG: 2 Headline: 1 CTA: 2 Group 3: (SU: 6am: MAC: v10.1: NYC)



Theme 1: IMG: 1 Headline: 2 CTA: 1 Group 2: (MO: 5pm: Android: V13.1: LA)



Theme 2: IMG: 2 Headline: 3 CTA: 2



Model needs a minimum volume of impressions to learn

40M+ impressions enough for one month campaign with ~75 versions





PII not required, contextual data is enough to start

NON PII (Meta data via JS Snippet) – Agnostic data that the advertiser is currently leveraging in their BAU media buying such as time of day, device, weather, DMA, etc.

- A. Tech Provider Data (Identity Graph via IP) As a way to supercharge the AI learning capability, Claritas has its own dataset which includes 1251 variables.
- **B.** 1st Party (Pass data at ad call) Advertiser owned data that would be encoded before the Al receives it for privacy concerns.
- C. Attribution data (Claritas pixel, pixel-less, or 3rd party) – Events that fire based on the KPI chosen for campaign, to deliver back to AI models to learn and decision off.



Tags and pixel integrations

All activity happens on the client device



src="https://media.accelerator.ibm.com/ibm_campaigns/twc/300x250/test/web_test_tag.js
?nature=dfp&cb=\${REQUESTID}&ctp=\${CLICKURLENC}&consumer_id="></script>
</div>



Simple set up across 3 parallel tracks

MEDIA

Finalize media plan inclusive of KPI's, flight dates, channel mix, impression volumes, audiences, segments, DSP, publishers.

Integration: JavaScript or VAST tag

CREATIVE

Consult on template design and content variations based on media plan and volume.

Integration: HTML5 and/or Audio and/or Video files

TECH

Full dashboard access to review creative, QA, performance and insights

Integration: Measurement



30 days to launch





Real-time dashboards during campaign

Real Time Campaign Data

Campaigns												
New campaign	n Actions -			Inactive	All	Search Q A		All adver	All advertisers		s v C	
 ■ On page: 10 v Total campaigns: ① 												
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≣ 165668	320x50 Tag		ø	1,699,782 0% / 100%		1,671 0.1%	350 0.21	-		113 0.07	113 0.07	
Image: Shell GO AIP Show more ✓ Campaign Overview Advertiser: Shell AIP Flight dates: - Aggregated: - Pkxet: Shell GO AIP (88aat06b-c73d-4ba5-91ed-058161ba7657) Lookback for CT conversions: 1 Month Lookback for VT conversions: 7 Days Today 7 days Month Lifetime Feb 14, 2024 - Feb 20, 2024 Today 7 days Month Lifetime Feb 14, 2024 - Feb 20, 2024 Change												
2,064,491 Impressions 344,082 per day	419,027 Reach	4.9 Frequency	0.09% Click rate	9	0.1 Inst	75 permille all Rate	0.000 Visitor Ra	ite	0.0 Cor	56 permille	0.056 perm Event Rate	ille

Creative Performance and Insights



Click Here for Demo









100% impressions

How you can get involved



Connect with MMA subject experts to explore how CAP can boost you campaign ROI by 100%+



Pick an ad campaign (audio, video, or display) with 40M+ impressions on the open web



Select the right KPI that the AI can use to optimize against (e.g., digital KPI, branding KPI, offline purchase or visit frequency)



Get the right people from your creative, media and agency team involved – 30 days to launch once we align on the right campaign and KPIs





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INTERESTED IN LEARNING MORE?



SCAN ME

We need more case studies! Use the QR code & MMA will follow-up after the event.

Join the Consortium & deploy AI Personalization