Al Optimization : The Future

Rohit Dadwal CEO MMA Global APAC & Global Head of SMARTIES WW LinkedIn: @rohitdadwal





-MMA Focus

A LEADERSHIP COALITION









TYPICAL MEDIA: CREATIVE APPROACH

MEDIA AUDIENCE

(eg 18-44 HH w/Pet)

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CHEVROLET



Creatives rotating in-market

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AI GROUPS COHORTS WITHIN AUDIENCE

DATA MODELS (1271 variables)



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

•AI DEVELOPS CONTENT MODELS

We are not generative AI. This is human generated creative.



| Theme | safety_assist ~ C |
|----------|--|
| ckground | Image 2 ~ |
| Headline | Confidence comes standard with Chevy Safe \sim |
| СТА | Explore Trailblazer ~ |

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

AI MATCHES THE RIGHT AD PER IMPRESSION



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





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



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

AI IS CONSTANTLY DRIVING PERFORMANCE



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Optimization Status

Show current machine-learning optimization status.

68% LIFT



GM SEES 68% IMPROVEMENT USING AI BASED **CREATIVE OPTIMIZATION**





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





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

LEVERAGING AIP FOR KROGER DRIVES SIGNIFICANT LIFT





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









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







AI DECISIONING FOR AUDIO LIFT IN PERFORMANCE FOR MONDAY.COM

SINGLE AUDIENCE



Volume & Optimization, Ranked By Total Conversions

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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-Al holdout

RESULTS SEE AN AVERAGE OF 103% LIFT

Wasted Impressions

+

Creative Relevancy

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+259% **Display - Site engagements**



Kroger



Video - Site engagements

//. monday.com



Audio - App Installs



+136% Display – Lead Forms

AI VS TRADITIONAL DCO

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-AIP VS DCO



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AI

- Hope AI makes the right decision
- Difficult to pull back
- Production automated
- Very little human intervention



-AIP VS DCO













TRADITIONAL AD TECH USES A DECISION TREE





-AI MAKES A DECISION IN REAL TIME











AI MODELING

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AI MODELING PHASES





PHASE 1: AI DATA ENCODING

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. Claritas 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 AI 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. * Each of these options can be additive or standalone LinkedIn: @rohitdadwal







PHASE 2: UNSUPERVISED LEARNING



1-2 WEEKS OF LEARNING AGAINST 10% RANDOMIZED CREATIVE (NO AI)

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* Each of these options can be additive or standalone

Moving ML to Al Models



Model AUCs Progress

The graph below shows how the AUCs of ML models has evolved throughout the campaign.





Showcasing the point of which our creative themes are strong enough to become AI models

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Overall Optimization status in relation to statistical significance of data

PHASE 3: CREATIVE DECISIONING







| THEME |
|----------------|
| LAYOUT |
| MESSAGING |
| ANIMATION |
| IMAGERY |
| CALL TO ACTION |
| SCRIPTS |
| VOICEOVER |
| LENGTH |
| SCENES |

PHASE 3: K-MODES CLUSTERING (EARNING)

MODELING DATA



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CHEVROLET

LIFT AND PREDICTIVE PERFORMANCE





Predictive Targets

Shows predicted performance after targeting. Please move the slider to choose targeted volume.



PHASE 4: AI CREATIVE DECISIONING



Set the course for success in a post-pandemic world.

TRAVELERS





AI MAKES A DECISION IN REAL TIME



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Best Practice Checklist

•Model needs a minimum volume of impressions to learn 40M+ impressions enough for one month campaign with ~75 versions



More impressions and creative variation will lead to more machine learning





Al is constantly driving performance

Learning vs. 10% control with randomized delivery of content versions (AI turned off)



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• 10% of the impression served will receive a randomly generated creative, effectively turning the AI machine learning and optimization OFF.

• This will ease setup process, but also showcase 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

Simple set up across 3 parallel tracks

MEDIA CREATIVE and insights TECH

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Finalize media plan inclusive of KPI's, flight dates, channel mix, impression volumes, audiences, segments, DSP, publishers. Integration: JavaScript or VAST tag

Consult on template design and content variations based on media plan and volume. Integration: HTML5 and/or Audio and/or Video files

Full dashboard access to review creative, QA, performance and insights Integration: Measurement

Interested in learning & adopting



SCAN ME

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

Join the Consortium & deploy AI Personalization