

Inputs

Media type

- ☒ Video
☐ Image

Upload MP4

Drag and drop file here
Limit 200MB per file • MP4...

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 Video_2.mp4
2.1MB

Detected topic (demo)

outdoor

Viewer cohort (demo)

travelers

Placement

Preview placement

bottom-right

Simulation

Impressions to simulate

600

LinUCB exploration (alpha)

0.70

Ad Creative

Choose ad

ad_0_coffee.png

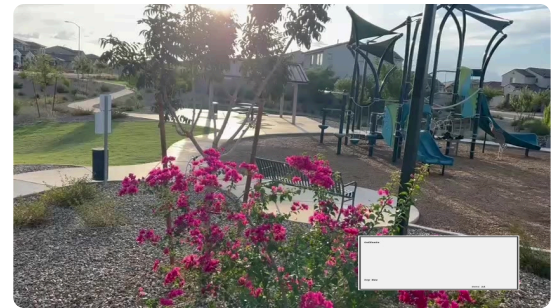
AdCUE — Explainable, Scene-Aware Ad Overlay (Starter)

Upload a short **video** (MP4) or a **single image**. We'll compute a safe placement box (simple heuristic), overlay a sample ad, and simulate a **bandit vs random** learning loop for CTR uplift.

Original Frame



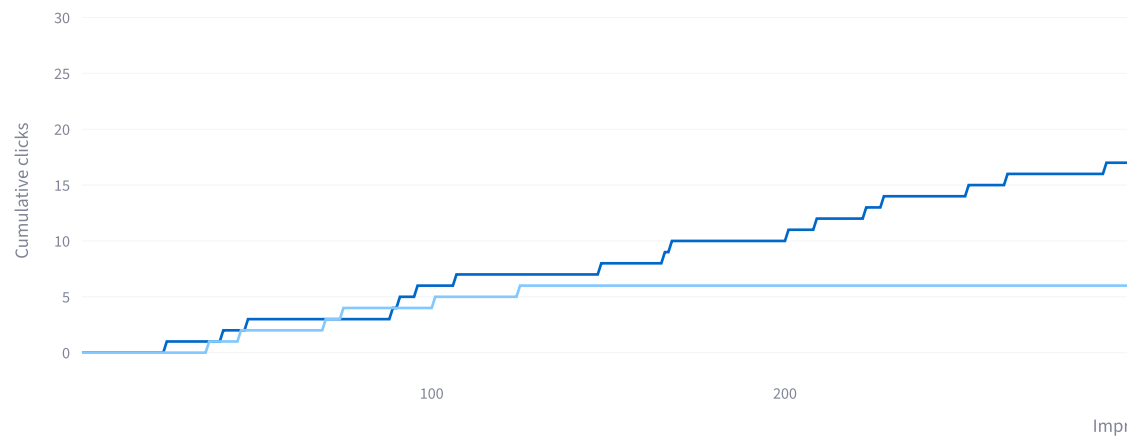
Preview with Overlay



Placement: bottom-right | Safe box: {'x': 544, 'y': 366, 'w': 254, 'h': 86}

Learning Simulation: Bandit vs Random

We simulate **clicks** for (ad, placement) choices under the selected topic & cohort. The **bandit** (LinUCB) learns which combos perform better and should beat a **random** policy.



Bandit clicks: 29 | Random clicks: 16 | Estimated uplift: 81.2%

[Download last decision log \(JSON\)](#)

Why chosen?

- The bandit explores/exploits combinations of **ad × placement** using the provided topic & cohort.
- The preview shows a simple **safe zone** (margin + center avoidance). Replace with detectors when you extend it.
- All choices are explainable and exportable as JSON.