The Most Common GA4 Collection Errors





Your Presenter

Mike Query

CEO / Founding Engineer

- Before I Found Analytics:
 - Dir. of Eng at Ultrasonic R&D (7 years)
 - Embedded systems, signal processing, web apps, data eng
- Founded adMind (2015) to "practice measurement with marketers"
- Last on My Audible: "Make Time"
- If my spouse had the mic, she'd embarrass me by...



AGENDA

Today's Agenda

- A Disclaimer
- The Most Common GA4 Data Collection Errors
- How to Spot Them
- How to Fix Them
- How to Keep Them Gone





INTRO TO ADMIND

We Believe...

- An insight is "something you don't know, that you can act on to improve performance"
 - Insights come from analyzing not tracking. Analyze more, track less.
- In rapid, practical AF data collection
 - Sometimes sooo dirty you'd blush telling your mom
 - But..... you gotta wear your seatbelt (have data quality monitoring)
- In late data binding. Don't waste time collecting it if you could just categorize it.
- In warehouses over CDPs
- Dashboards are **products**. Be lean. Iterate. Study the Job to Be Done. If isn't loved it shouldn't exist.



INTRO TO ADMIND

Molly – The Ultimate GA4 Add-On

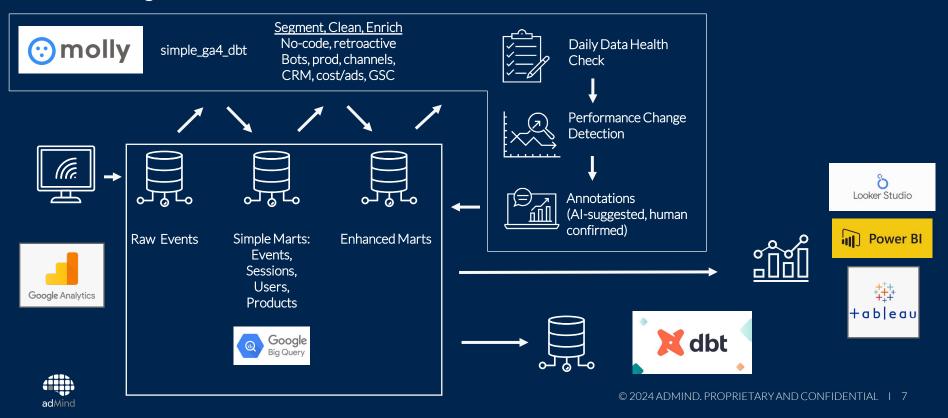
Currently in Closed Beta - Contact Us If You Are Interested





INTRO TO ADMIND

Molly – The Ultimate GA4 Add-On



Join the MeasureCamp Convo!!!

WHAT'S THERE

- Request to Join Molly Beta
- Slack
- Slides
- Repos
- Free Instant GA4 Audit Tool





SECTION 02 **DOWN TO** BUSINESS COHORT ANALYSIS REPORT > What are your top devices? Where are your users? Sessions by device Sessions by country

TL;DR

GA4 Analytics Smells

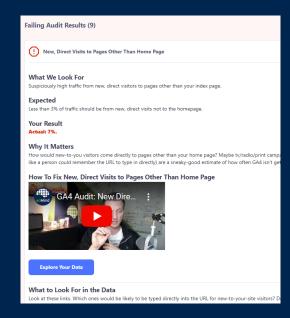
- Not connected to BQ
- The most effective Direct Traffic Check
- Product Name and Id Consistency Across Events
- Duplicate Transaction Ids
- Dev Traffic In Prod Traffic
 - A better way than IP to handle this
- (not set) campaign for google / cpc
- Not tracking collecting campaign_id





GA4 Not Connected to BQ

- It's free in GA4 free. It costs very little if you aren't querying.
- It isn't retroactive, even in GA4360
- How can it happen?
 - Didn't know or see a need
- How to prevent?
 - Just double check now that it is. Turn on streaming - you might just be able to avoid a bill.
 - Also, check for data freshness!
 - Most of the time fixed by disconnecting and reconnecting
 - See Molly Data QA

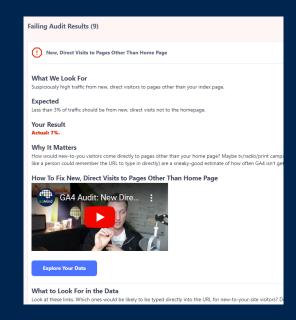






Direct Traffic, New Visitors, Other Than "/"

- Attribution Check Order
 - gclid -> utms -> referrer* -> (direct)
- How can it happen?
 - Missing UTMs (good way to find them)
 - Redirects stripping query params
 - Redirects through https->https
 - <meta referrer settings
 - Missing tracking library
- How to prevent?
 - State change detection
 - Threshold on (direct) eh

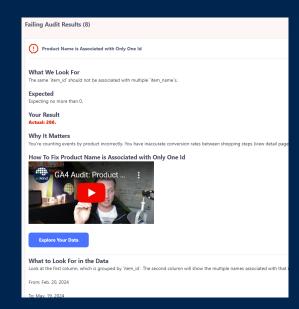






Product Names/Ids Across Events

- GA4 considers the name/id to be a "compound key"
- How to find?
 - Product Names with more than 1 ID
 - Prod IDs with more than 1 name
 - Greater than 100% conv. rates
 - 0% convirates
- How can it happen?
 - Most often at PDP to Cart
 - Especially a configurable product
- How to prevent?
 - State change detection on conv. rates
 - Data QA check on "uniqueness"

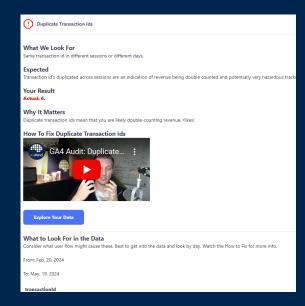






Duplicate Transaction IDs Across Sessions

- Double-counting revenue is bad... ☺
- How to find?
 - Sessions with same transaction id (order by session count desc)
 - Better to check event by event (need BQ)
- How can it happen?
 - Most often txn conf page that reloads for receipt or otherwise and rerenders tracking
 - A client-side approach to prevent the above
- How to prevent?
 - Data QA check on "uniqueness"
 - Remove retroactively (BQ only)

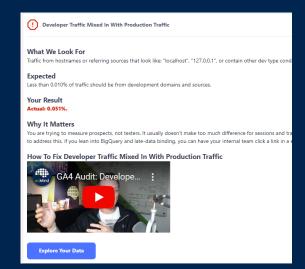






Dev Traffic In Prod

- It usually doesn't matter... until it does
- How to find?
 - Hostnames, protocol, port
- How can it happen?
- How to prevent?
 - IP address isn't good enough
 - What if you could send out a link in slack for your team/vendors to click (every few weeks) and then define a retroactive user property...

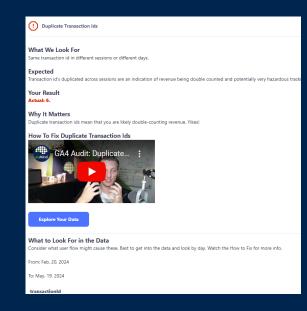






google / cpc – (not set) campaign

- Google uses gclid to match campaign from linked GAds
- How to find?
 - google / cpc, campaign (not set)
- How can it happen?
 - Not linked ads account.
 - wbraid/gbraid (no gclid)
- How to prevent?
 - G Ads tracking template (need a good one?)
 - Data QA monitor







SECTION 03 THE END COHORT ANALYSIS REPORT > What are your top devices? Where are your users? Sessions by device Sessions by country

What Did We Miss?

WHAT'S THERE

- Slack
- Slides
- Repos
- Free Instant GA4 Audit
 - >70 other common checks



