



THE PUBLISHER'S DILEMMA

WHAT THE DATA SAYS ABOUT THE FUTURE OF NEWS



INSPIRED BY OUR WORK AT THE GUARDIAN



Graham Tackley, CTO

Graham led architecture and digital development at The Guardian where he built the API and Ophan, the inhouse realtime analytics tool.



Matt McAlister, CEO

Matt led digital at The Industry Standard and InfoWorld, developed APIs and platforms at Yahoo! and The Guardian, and started new co's such as Contributoria and Publish.org.



Rev Dan Catt, Data Scientist

Dan was a founding member of the Flickr team. He then worked at The Guardian for several years inventing new journalism tools. He is also an artist and maker of things.



Dean Vipond, **Product Designer**

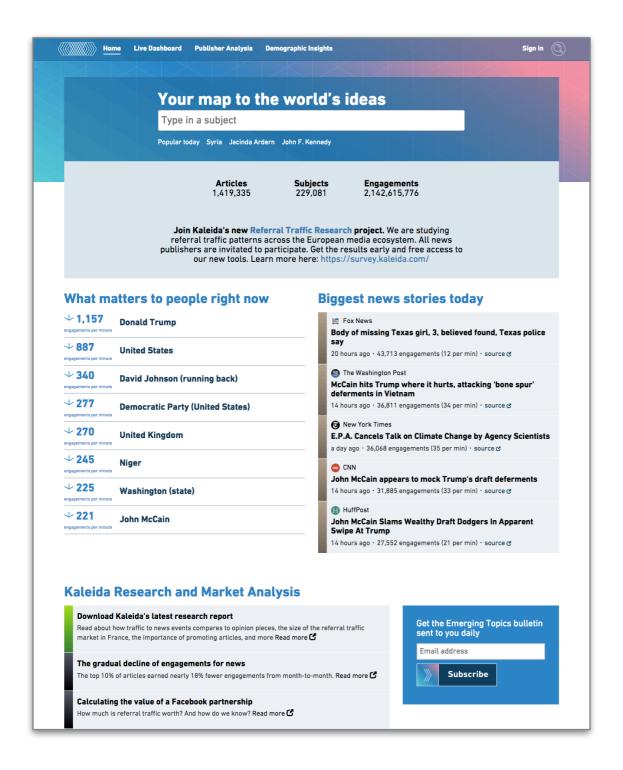
Dean led product design at Contributoria and is cofounder of Publish.org. He has worked with Orange, BBC and British Airways.



Chris Moran, Advisor

Chris is responsible for audience development at The Guardian where he co-developed Ophan with Graham.





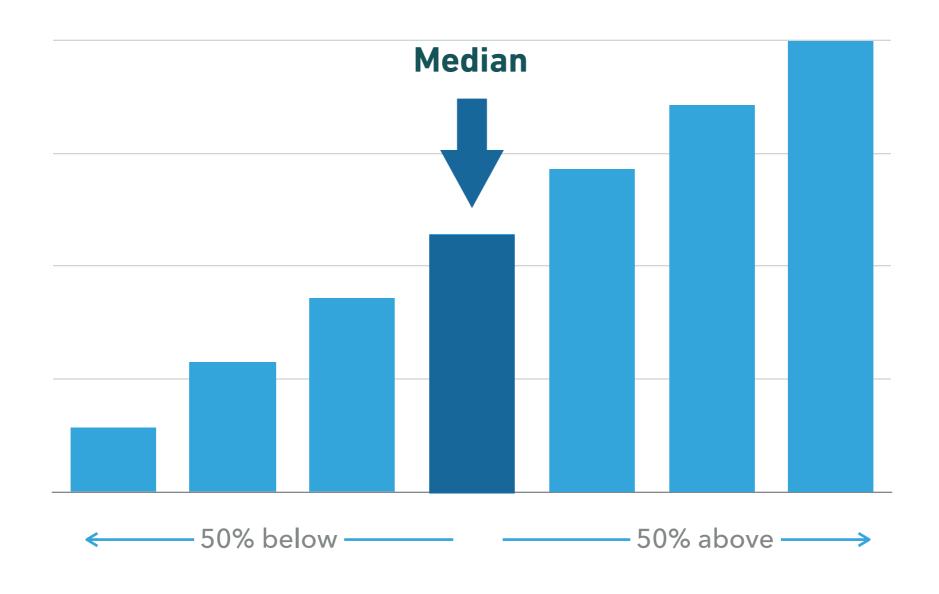
- 1.5M articles scanned, about6K per day
 - 230K subject profiles built by extracting entities
 - Track homepage and other promotion activities
- 30+ publishers: large and small, left/right, US and UK (adding more languages now)
- 2B engagements collected



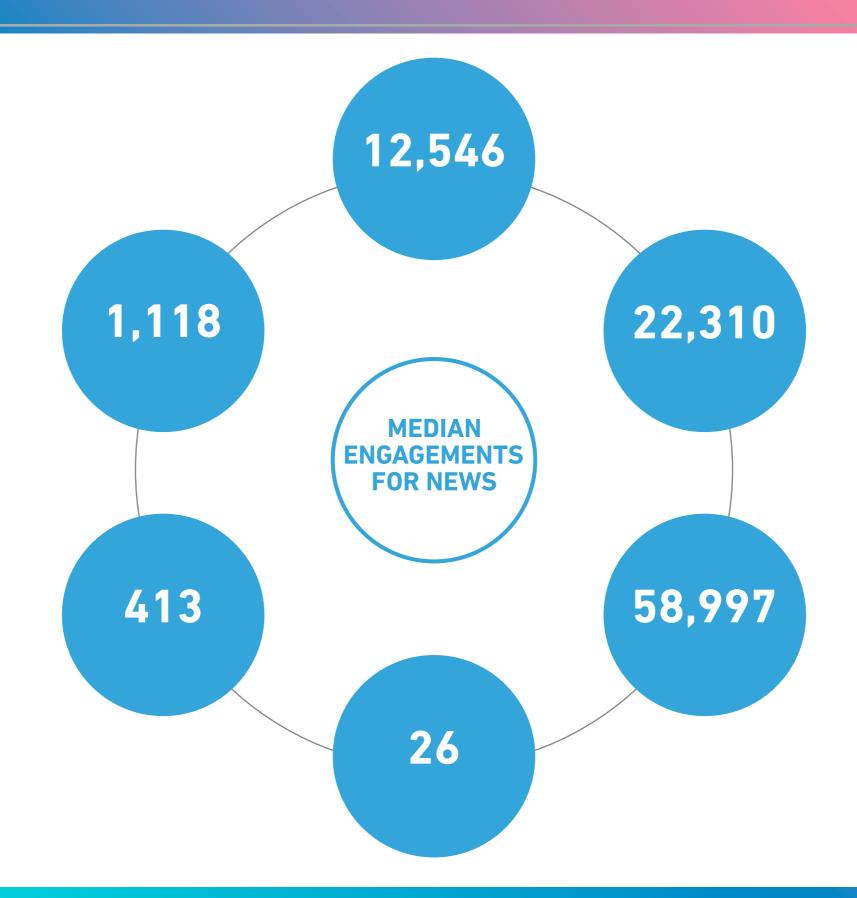
News orgs need to play a game they can win



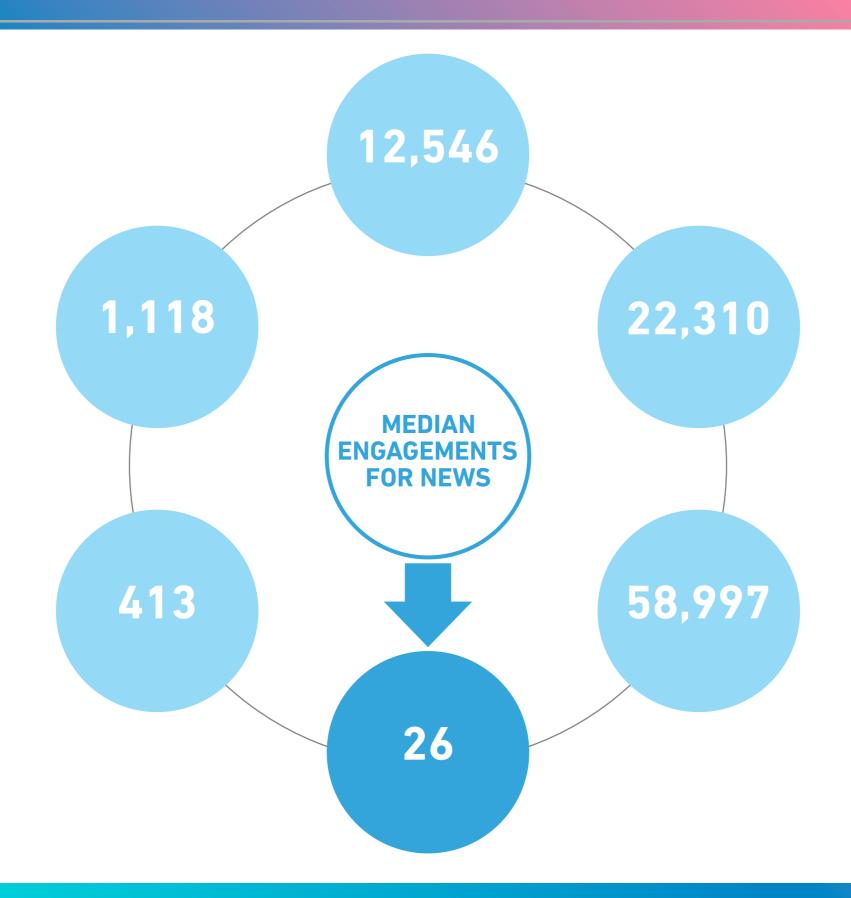
WHAT DOES 'GOOD' LOOK LIKE?







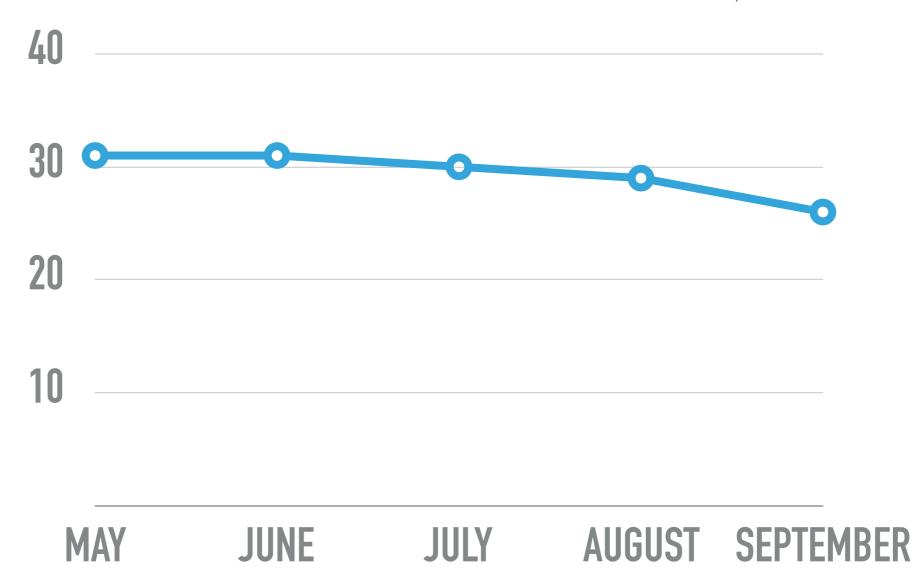






FACEBOOK ENGAGEMENTS ARE DECLINING

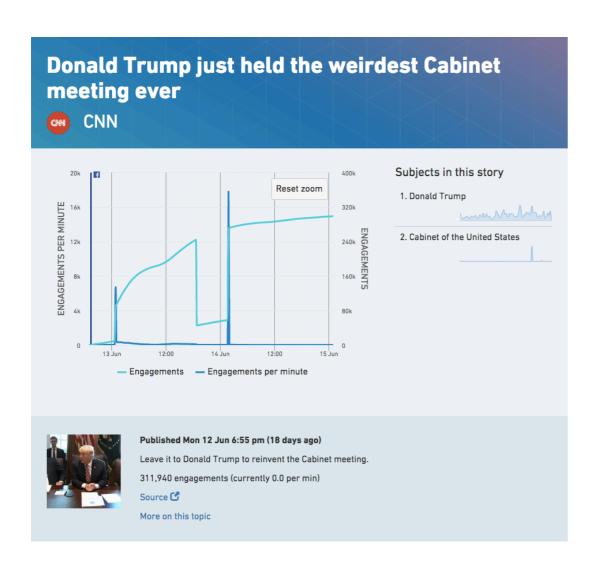
MEDIAN ENGAGEMENTS FOR NEWS ARTICLES, 2017





WHAT IS AN 'ENGAGEMENT'?

Engagements = Reactions + Shares + Comments



Facebook PR: "High traffic publishers will see an increase in their engagement metrics.

This fix applies to new URLs and will not change metrics from before June 9, 2017."

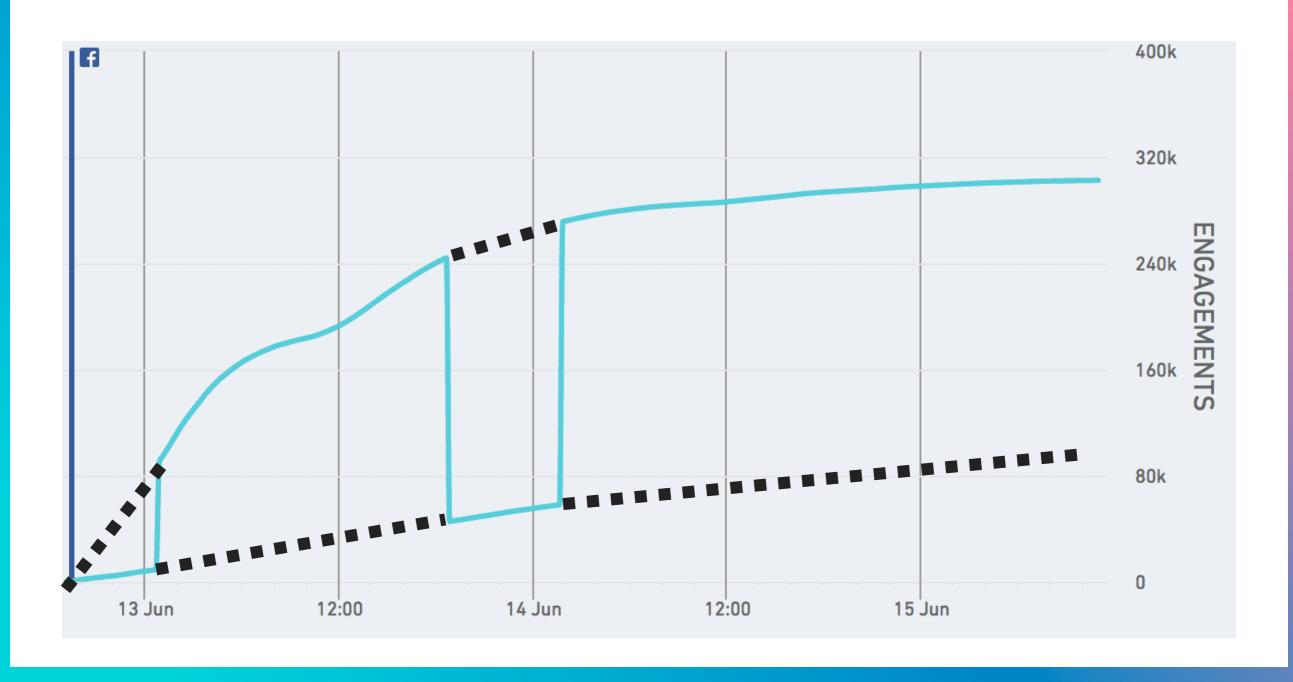


SOMETIMES FACEBOOK'S DATA IS WRONG



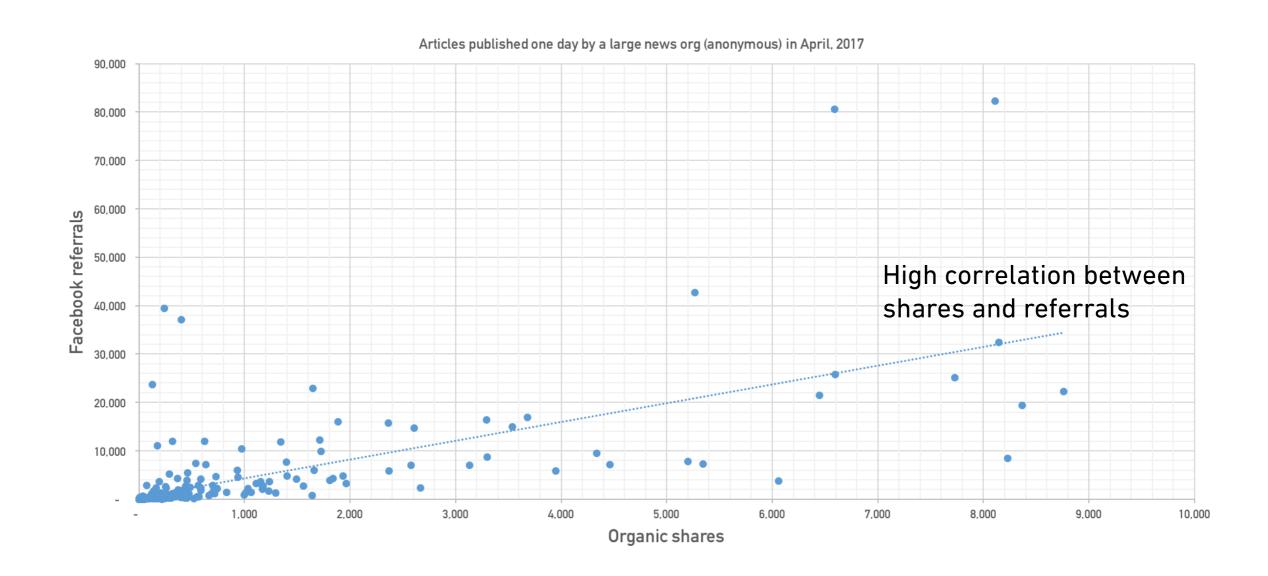


SOMETIMES FACEBOOK'S DATA IS WRONG



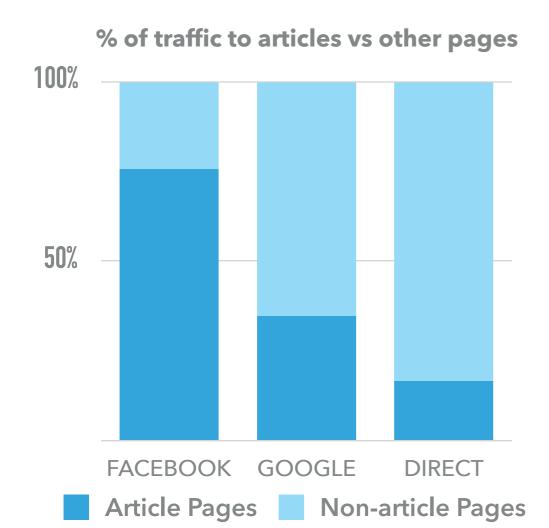


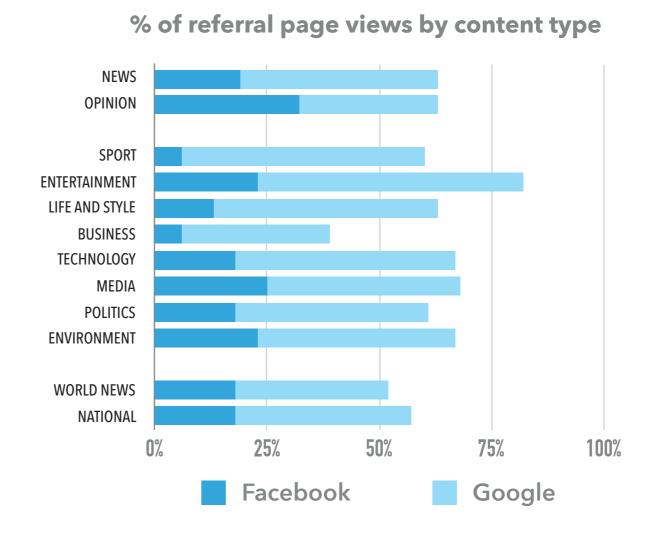
DO ENGAGEMENTS DRIVE REFERRAL TRAFFIC?





Q: WHAT WILL BE AFFECTED MOST? A: ARTICLE PAGE VIEWS, SOFTER SUBJECTS



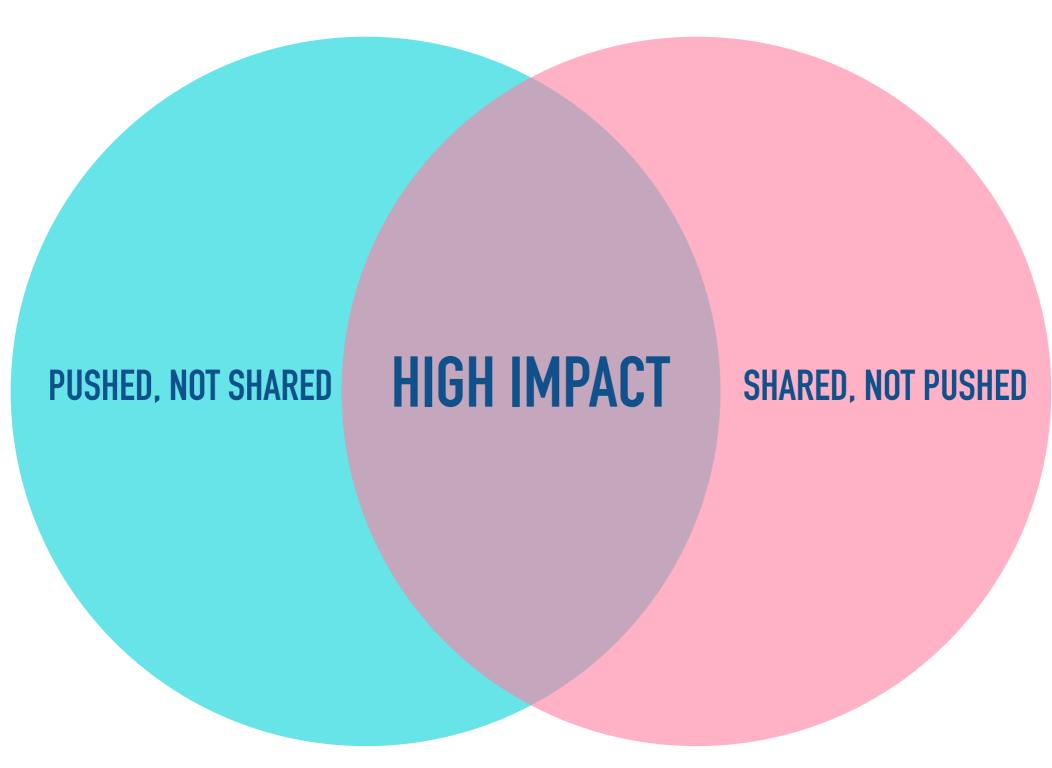




Between order and chaos is Coopetition

EDITORIAL EMPHASIS

SOCIAL RESPONSE



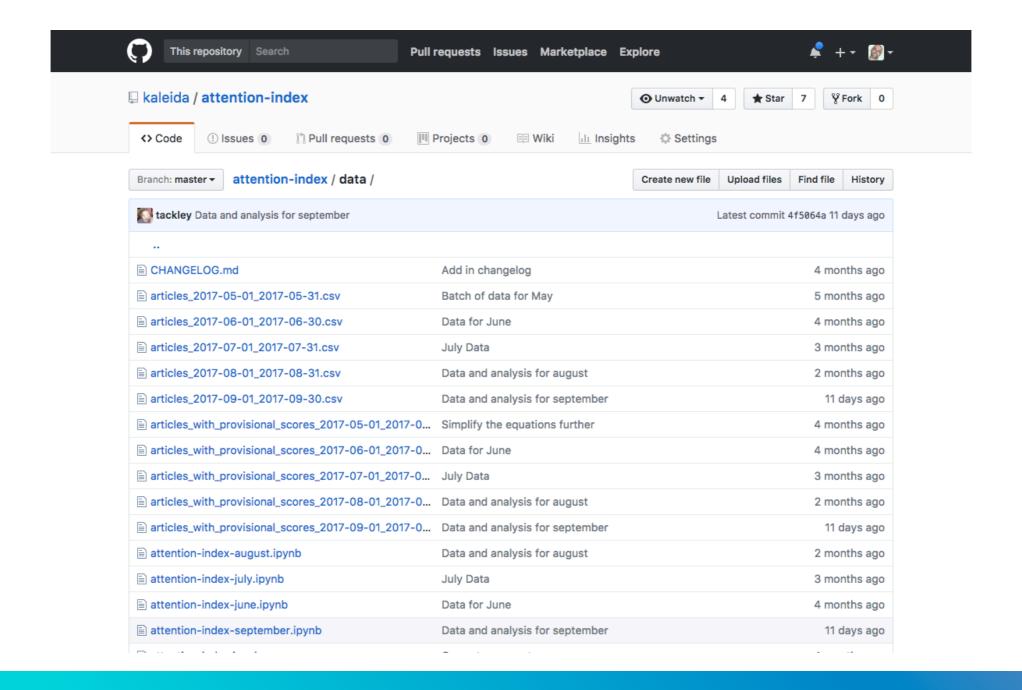


AN OPEN STANDARD FOR MEASURING ATTENTION

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attentionIndex_a = leadScore_a + frontScore_a + facebookPromotionScore_a + responseScore_a \\ leadScore_a = 20 \cdot \left(\frac{\min(minsAsLead_a, 60)}{alexaRank_a}\right) \cdot \left(\frac{\min(alexaRank)}{60}\right) \\ frontScore_a = 15 \cdot \left(\frac{\min(minsOnFront_a, 1440)}{alexaRank_a \cdot numArticlesOnFront_a}\right) \cdot \left(\frac{\min(alexaRank \cdot numArticlesOnFront)}{1440}\right) \\ facebookPromotion_a = \begin{cases} 0 \text{ if not shared on brand page} \\ 15 \cdot \frac{\log(brandPageLikes_a) - \log(\min(brandPageLikes))}{\log(\max(brandPageLikes)) - \log(\min(brandPageLikes))} \\ otherwise \end{cases} \\ responseScore_a = \begin{cases} 0 \text{ if } engagements_a = 0 \\ 50 \cdot \frac{\log(\min(engagements_a, limit) + median(engagements)) - \log(1 + median(engagements))}{\log(limit + median(engagements))} \text{ if } engagements_a > 0 \end{cases}
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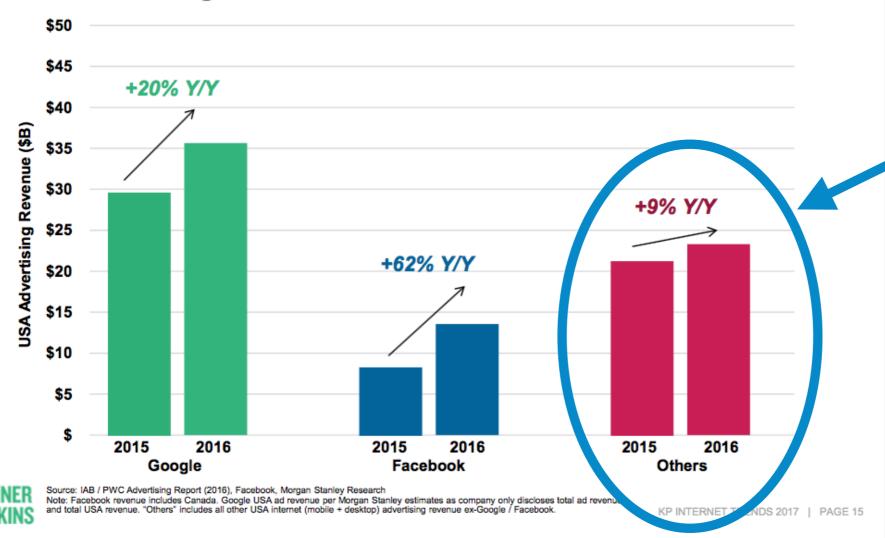


DATA PUBLISHED WITH AND OPEN LICENSE



Google + Facebook = 85% (& Rising) Share of Internet Advertising Growth, USA

Advertising Revenue (\$B) and Growth Rates (%) of Google vs. Facebook vs. Other, USA, 2015 – 2016

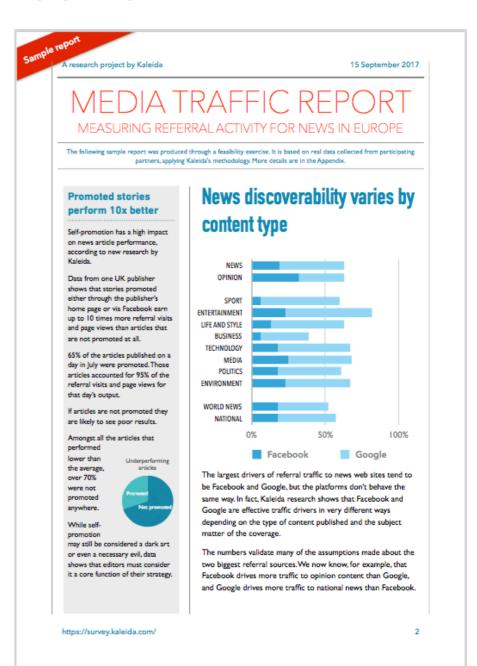


This number should go up faster



JOIN OUR NEXT RESEARCH PROJECT

- Studying referral traffic patterns
- All news media in Europe invited
- Get early access to the data
- Get benchmarking tools to compare your traffic with other news orgs
- It takes 60 seconds to join login with Google Analytics
- Participants will be anonymous.
 Results reported in aggregate only





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