

Retail Media Back to the Future

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Best Marketing Academic on the Planet (Ritson, MktgWeek, 11/13/2023)

Outline

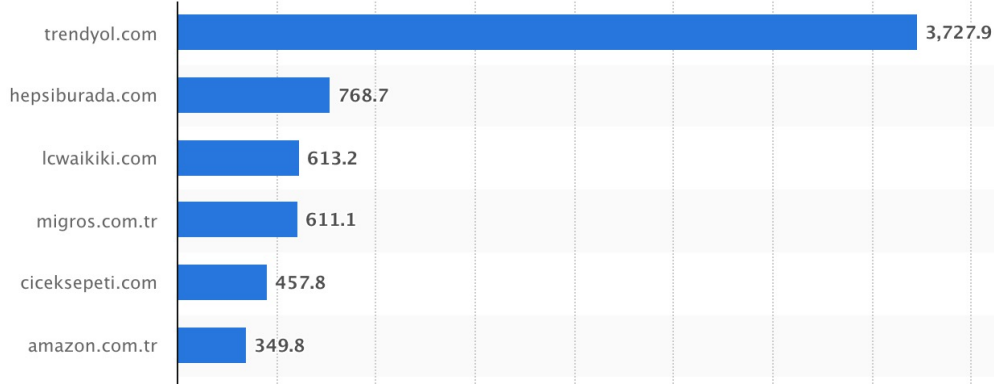
1. How large and how different from offline retail ads?
2. Why brands and consumers like retail media
3. Lower and upper funnel retail ads for advertiser goals
4. How to get started and move to full funnel advertising
5. Retail media questions for consumers, brands, and retailers
6. Case studies answering some of these questions
7. Q & A



Retail Media is the digital advertising sold to brands by retailers using their 1st party data as for targeting onsite, instore or on social or programmatic channels



Top online stores in Turkey in 2022, by e-commerce (in million U.S. dollars)



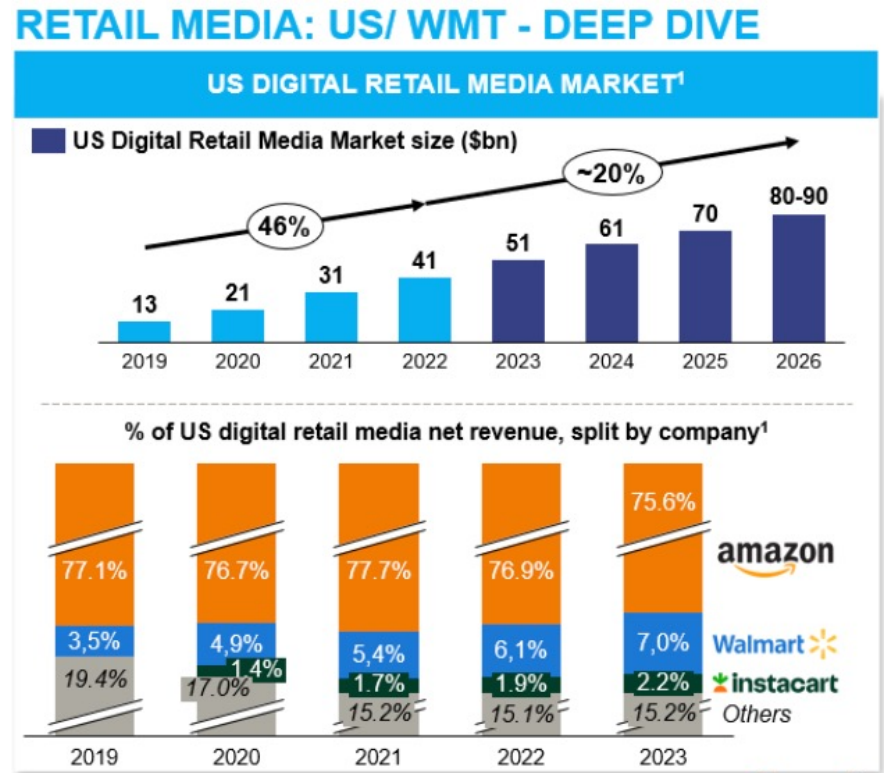
The screenshot shows the Trendyol website interface. At the top, there's a navigation bar with categories like Kadın, Erkek, Anne & Çocuk, Ev & Yaşam, Süpermarket, Kozmetik, Ayakkabı & Çanta, Elektronik, Spor & Outdoor, Çok Satanlar, and Flaş Ürünler. Below this is a search bar and a row of icons for various services like Sen De All, Sana Özel, Dijital Destek Kartları, Kredi Kartı, Kurumsal, Sansız Çekiliş, Krediler, TrendyolMilla, Apple, Pull & Bear, and Xiaomi. The main content area features three promotional banners: 'Sepete En Çok Eklenenler' (Most Added to Cart), 'En Çok Öne Çıkanlar' (Most Prominent), and 'Flaş Ürünler' (Flash Products). The banners include images of clothing, home goods, and kitchenware with promotional text like 'ARADIĞIN TÜM ÜRÜNLER' and '250 TL İNDİRİM'.

The screenshot shows the Hepsiburada website interface. At the top, there's a navigation bar with categories like Elektronik, Moda, Ev, Yaşam, Kırtasiye, Ofis, Oto, Bahçe, Yapı Market, Anne, Bebek, Oyuncak, Spor, Outdoor, Kozmetik, Kişisel Bakım, Süpermarket, Pet Shop, and Kitap, Müzik, Film, Hobi. Below this is a search bar and a row of icons for various services like Bugüne Özel, Kampanyalar, Kaçınılmayacak Fiyatlar, Teknolojik Fırsatlar, Sana Özel Fırsatlar, and Ayrıcalıklar. The main content area features a large promotional banner for baby products, including a baby stroller, Ariel baby detergent, and Home&Office baby products. The banner text says 'Süper ürünlerde süper fiyatlar' and 'Acele et kaçırma'.

The screenshot shows the Amazon Turkey website interface. At the top, there's a navigation bar with categories like Elektronik, Moda, Kitap, Bilgisayar, Amazon Ayrıcalıkları, Satış Yap, Spor ve Açık Hava Aktiviteleri, and Günlük İhtiyaçlarda Düşük Fiyatlar. Below this is a search bar and a row of icons for various services like Herkes İçin, Kadın, Erkek, Gençler, 8-12 Yaş Çocuk, 4-7 Yaş Çocuk, and Bebek. The main content area features a large promotional banner for gifts, including a Brita Maxtra water filter, a Cosori Air Fryer, a Xiaomi Mi Smart Scale, a Powertec hair dryer, and a Philips MG3720/15 hair trimmer. The banner text says 'Mükemmel hediyeyi bul' and 'Kimin için alışveriş yapıyorsunuz?'. Below the banner is a grid of product listings with images, titles, and prices.

Retail media on the rise

GroupM (biggest media buyer), expects retail media will grow 9.9% to reach \$125.7 billion in 2023 and surpass television revenue in 2028, when it will represent 15.4% of total ad revenue.



To the delight and \$\$ of retailers












“An efficient, well-run grocery store will *lose money on the business,*

but more than make up for it by selling direct or indirect ads to the companies that make those products.

Kroger reported vendor allowances of \$8.7bn, or 7% of revenue”

(Hobart 2023)

Global Retailer Operating / EBITDA Margins

	7.1%		2.74%
	2.4%		4.4%
	3.11%		3.11%
	3.45%		4.3%
	3.23%		2.7%
	2.54%		

What's new, pussycat?

- **Data:** *"Instacart knows consumers' ordering patterns, knows the cross elasticities of demand across different products and categories, and can capture the upside from consumers trading up or trying new brands via ads."* This allows online retailers to both offer consumers large and personalized assortments, and offer brands ads targeted at the right consumer in the right buying mood.
- **Consumer ad awareness:** The offline consumer is typically unaware that the store organization and eye-level shelf placements are driven by such manufacturer payments and retail profit calculations. In contrast, *retail media ads are denoted as such to the online consumer.*

Why brands want retail media: data is key

Motivations for US CPG Brands to Work with Retail Media Networks, 2020 & 2021

% of respondents in each group

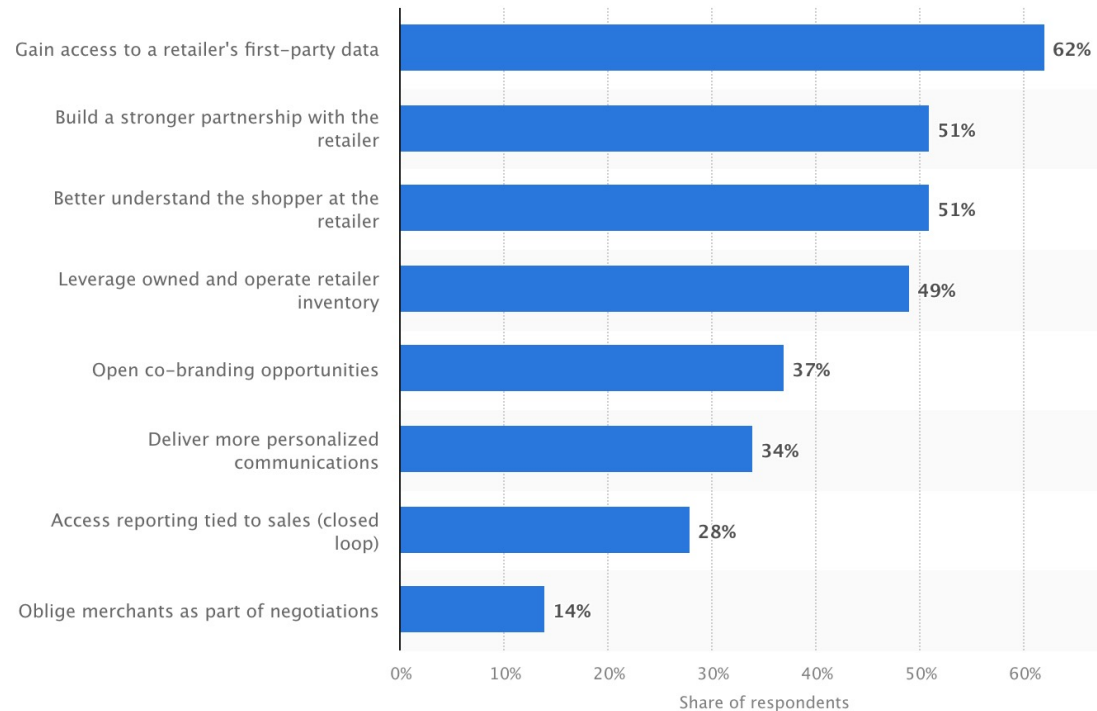
	2020	2021
Gain access to a retailer's first-party data	33%	62%
Build a stronger partnership with the retailer	49%	51%
Better understand the shopper at the retailer	19%	51%
Leverage owned and operate retailer inventory	29%	49%
Open co-branding opportunities	38%	37%
Deliver more personalized communications	43%	34%
Access reporting tied to sales (closed loop)	48%	28%
Oblige merchants as part of negotiations	48%	14%

Note: 2020 n=100; 2021 n=100

Source: Merkle, "The Evolution of Retail Media Networks" conducted by Ugam, Oct 11, 2021

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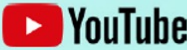








eMarketer | InsiderIntelligence.com



Why do some consumers like it, and Amazon?

- Content-integrated: fits with the reason consumer visits the site
- 3x more effective than content-separated (DeHaan et al 2016)
- 1P and 1-click shop convenience

-> More effective than video site, search, social media ads for most

Preference	Global consumers	Marketers
1.		
2.		
3.		
4.		
5.		

Largest players

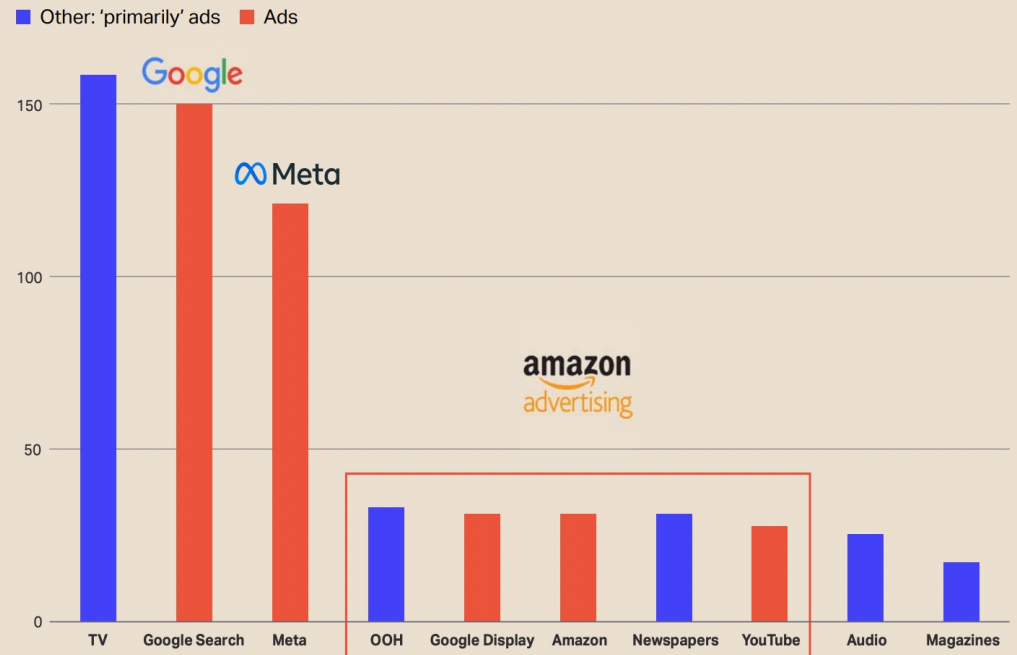
Amazon: ~75%

Walmart: ~7%

Instagram: ~2%

Amazon's Advertising business is bigger than Google Display and YouTube Advertising and Global Newspaper Advertising Revenues

Global advertising revenues



Comparing different retail media networks

	Amazon.com	Walmart.com	Instacart	Kroger	Target
Advertising auction type	2nd price	1st price	2nd price	2nd price	1st price
Placement types	Sponsored Products, Sponsored Brands, Sponsored Display, Amazon DSP (Offsite and Onsite)	Sponsored Products, Brand Amplifier, POV, Marquee, Skyline	Sponsored Products (Search & Browse), Search Keyword Banner (Display)	PLAs (Search & Browse, Savings, Basket Builder) and Targeted Onsite Ads (Display Banner)	Sponsored Products
Cost structure	CPC by product and keyword Amazon DSP is CPM	CPC by product and keyword for all except POV, Marquee, Skyline that are CPM	CPC by product and keyword; Display is CPM	CPC by product and category for everything but TOAs; TOAs are CPM	CPC by SKU
Minimum bid (\$)	0.02c	0.2 automatic 0.3 manual	0.15 CPC for SP, 15 CPM for display	0.5 for S&B, 0.6 for BB, 0.30 for Savings, \$28 CPM for TOA	Set by retailer at category level
Targeting options	Keyword, Category, and Individual SKU Targeting	Keyword Targeting	SP: Keyword Targeting SKB: Keyword and Audience	Category Targeting	Keyword and Auto Targeting
Product eligibility	Must be in stock, no minimum, must have positive contribution profit to Amazon	Must be in stock and base item (no variants), no minimum, item must meet relevancy hurdles to appear in-feed	Must be in stock, no minimum, must be loaded up by retailer	Must be in stock, no minimum	Must be in stock, no minimum
Sales attribution	14-day click attribution, same brand	3, 14, or 30-day click attribution, same brand	14-day click attribution, same item, "sales" are based on the order not the delivery	14-day click attribution, same brand, in store and online	Customizable attribution 1, 7, 14, 30-day direct click, 1, 7, 14, 30-day direct view

Amazon Advertising's view on its Propositions



Build awareness

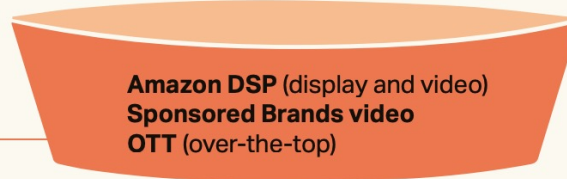


5

Expend your reach



Increase consideration



4

Build your brand



Own your aisle



3

Stand out in your category



Drive purchase



2

Reach shoppers who are most likely to purchase



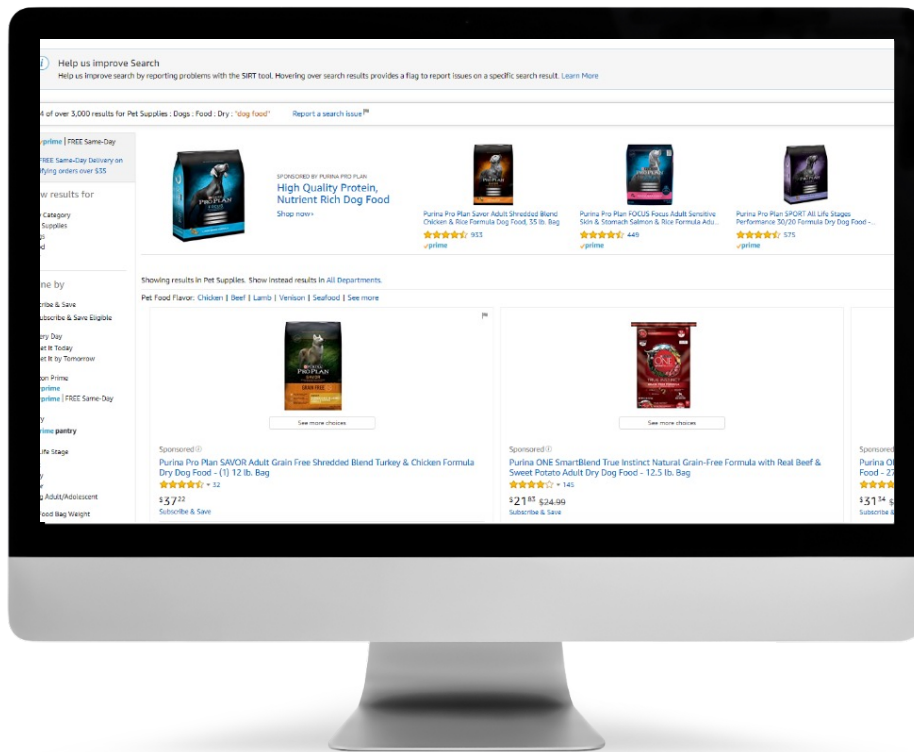
Retail & brand readiness



1

Make sure your products are ready to buy

Sponsored Products



Placements within Amazon search results and on related detail pages

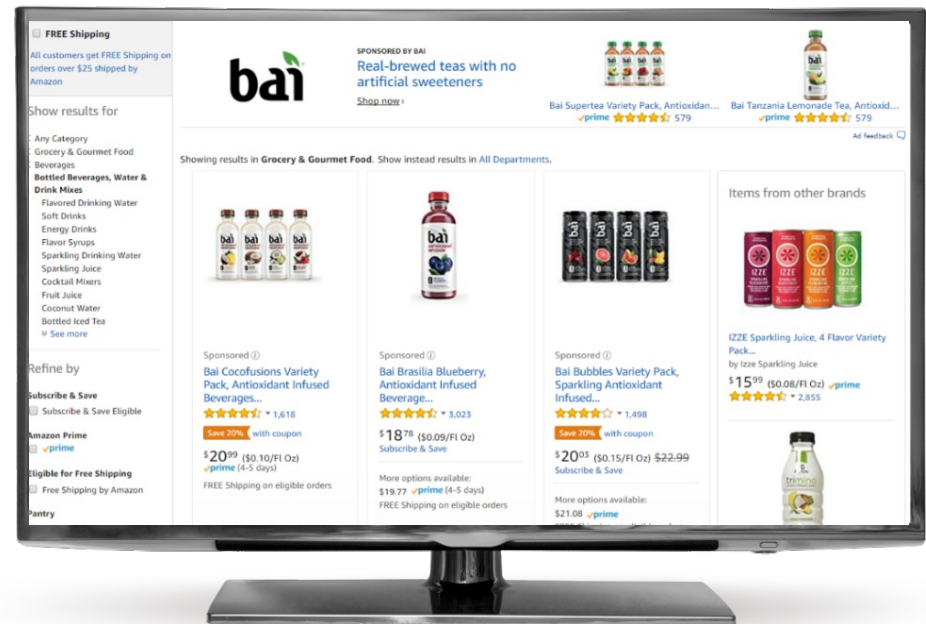
- Created from product detail page content
- Direct shoppers directly to a product detail page
- Contain native-looking creative elements familiar to Amazon
- Reach shoppers with high purchase intent

Sponsored Brands



Top placement above the search results, as well as within search results

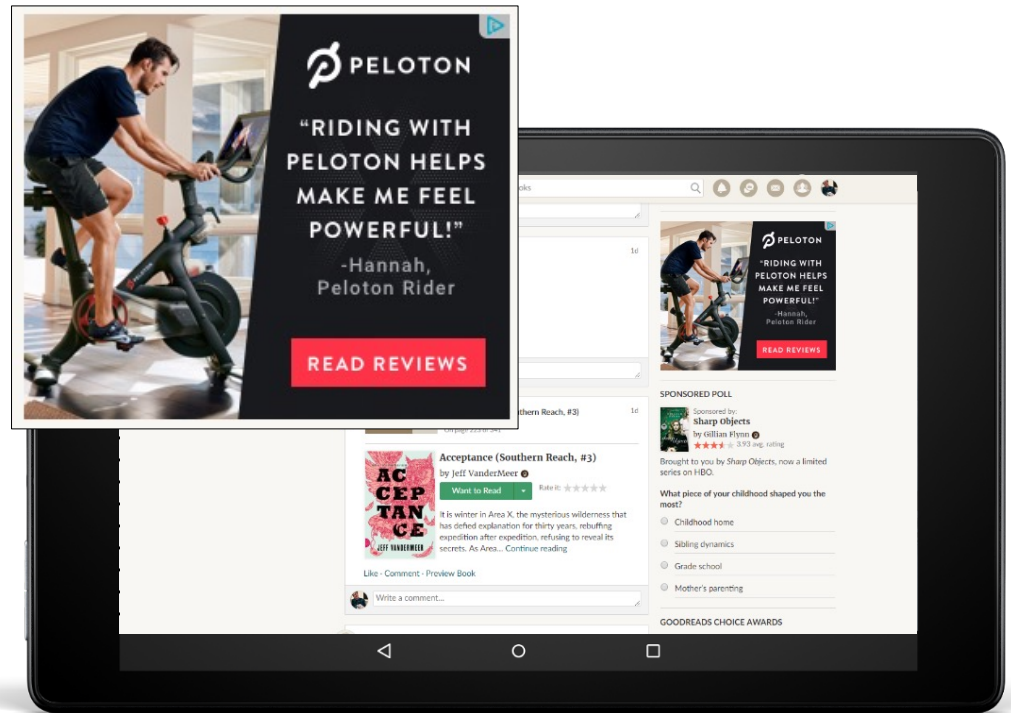
- Direct shoppers to a page with a collection of products or the brand's Amazon store
- Feature a custom headline, logo and set of products
- Contain native-looking elements familiar to the Amazon shopping experience
- Reach shoppers with high purchase intent



Display ads

Convey key product attributes or brand differentiators

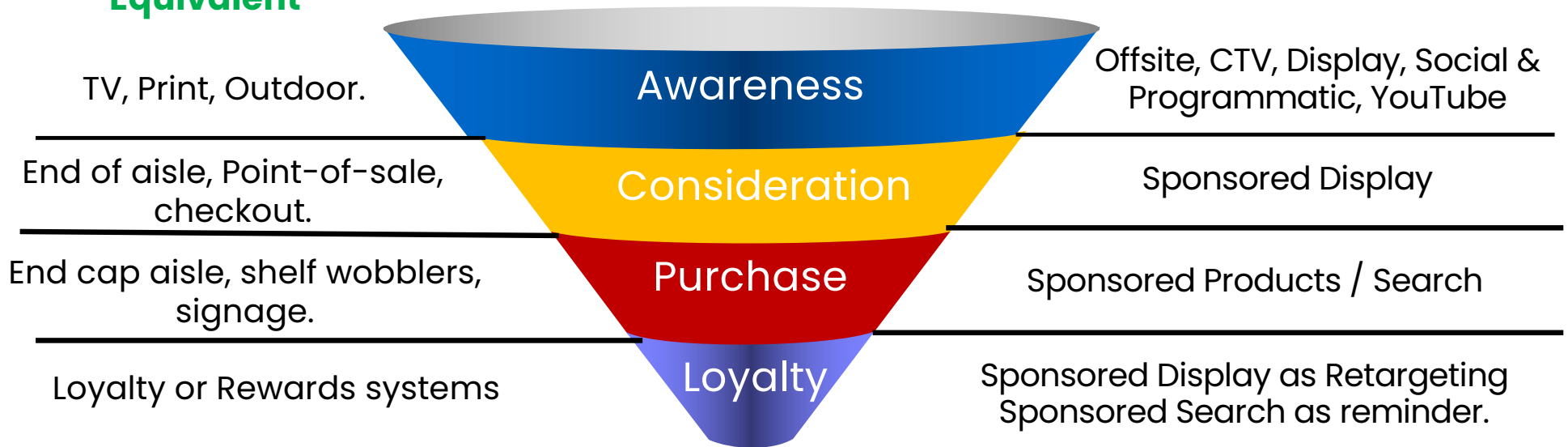
- Direct to a product detail page, brand website or custom landing page
- Tailor ad creatives
- Use eCommerce creatives with Amazon features
 - for products sold ON Amazon
- Use custom creatives



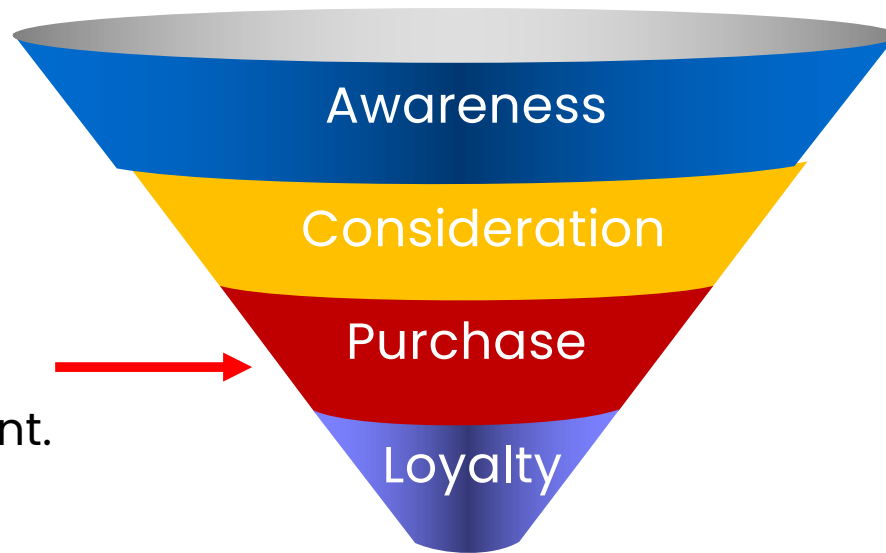
Offline to Online

Offline Equivalent

Retail Media Equivalent



Use the Shopper Funnel

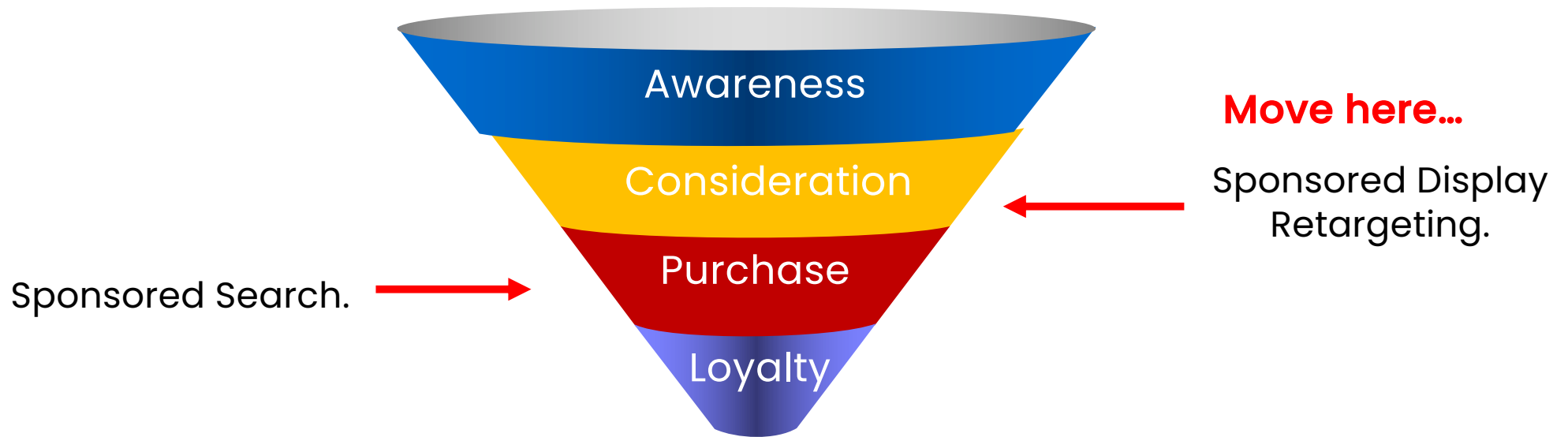


Start here...

Sponsored Search to target shoppers' intent.



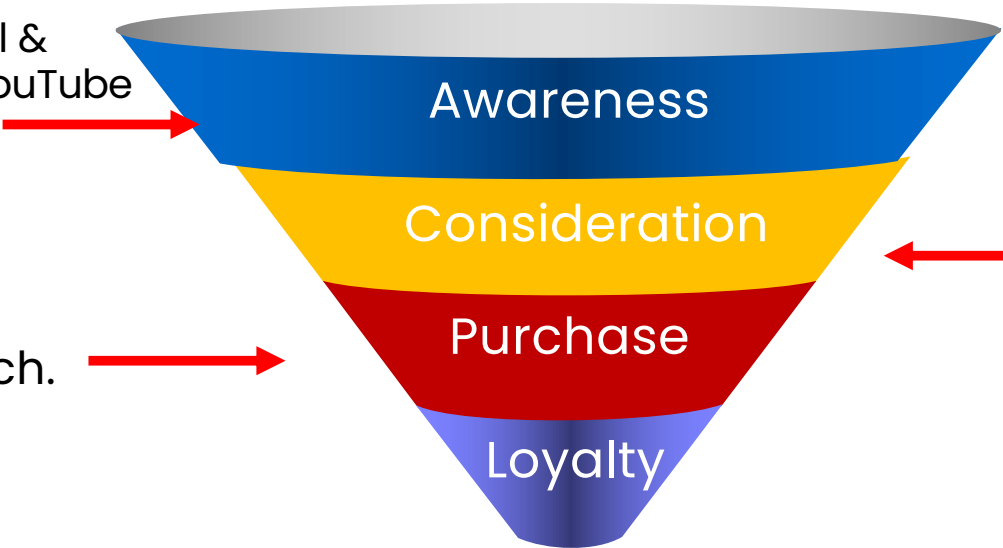
Start with Sponsored Search, Move to Sponsored Display



Think 'Full Funnel'

End up here...

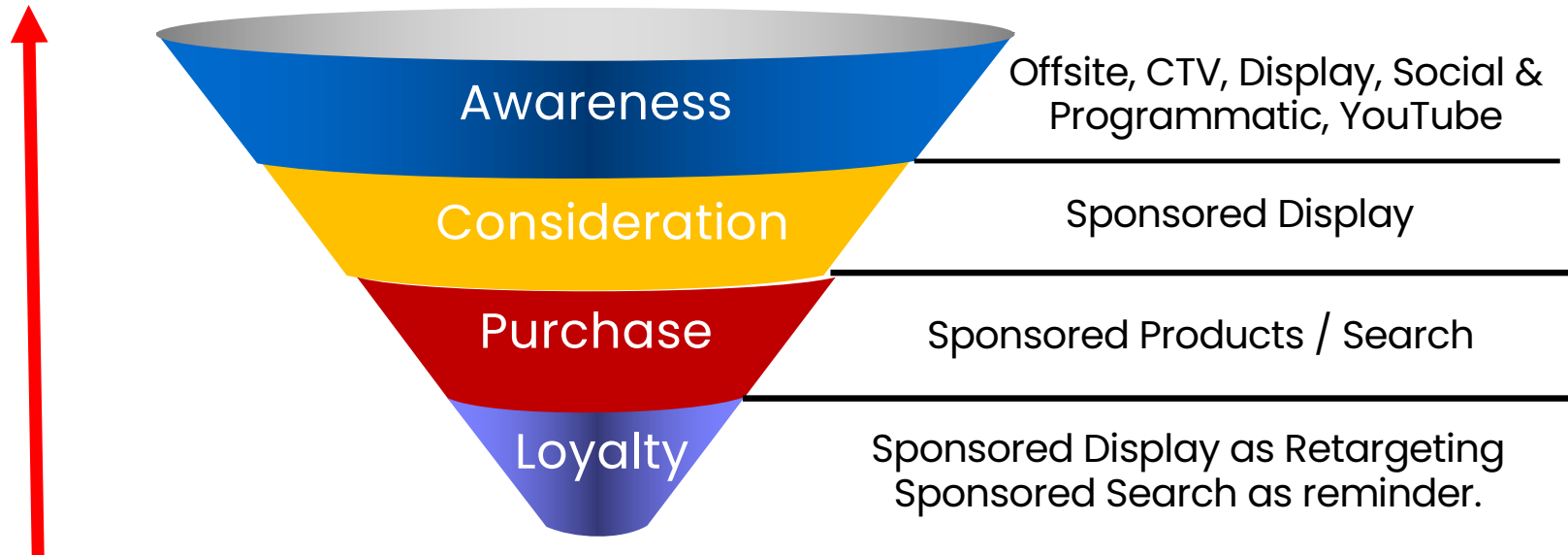
Offsite, Social & Programmatic, YouTube



Sponsored Display Retargeting.

Sponsored Search.

Go Full Funnel



Key retail media questions for market players

Consumers	Brands	Retailers
<ul style="list-style-type: none">• Ad response• Optimal exposure frequency• Tradeoff privacy, convenience, price	<ul style="list-style-type: none">• Retailer fit?• Incremental or zero-sum game? Metrics?• Budget allocation upper/lower funnel?	<ul style="list-style-type: none">• Education vs fatigue• Build in house or outsource?• How I fit into the brand's ecosystem?

Higher or lower optimal ad frequency?

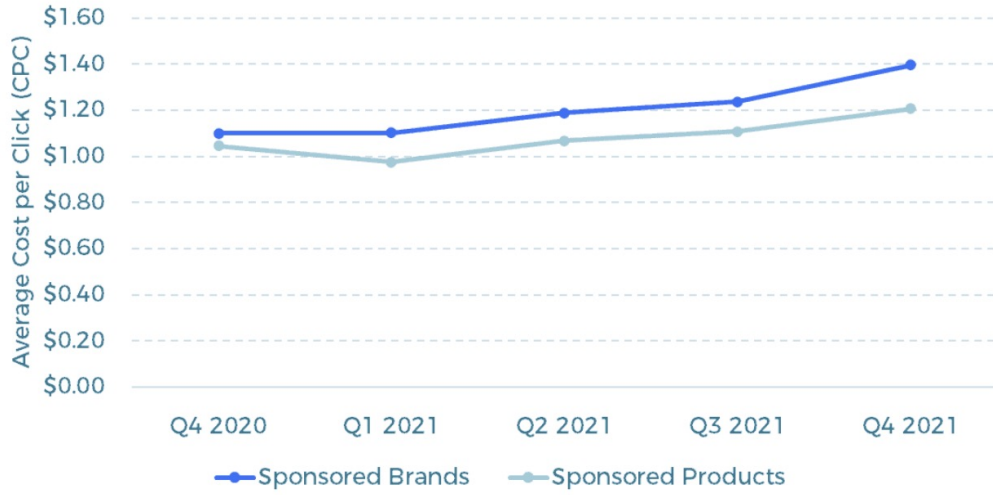
- Compared to other settings, are retail consumers **more welcoming** to ads (content integrated) or do they get **annoyed** sooner because they are paying more attention (leaning forward vs leaning backward)?
- **Inform/Educate**: Higher ad frequency may allow brands to increase conversion probabilities, and retailers to enjoy more ad revenue.
- **Persuasion fatigue**: ads are seen more as manipulative persuasion rather than as information, and should be employed sparingly to balance customer experience with ad revenue for the retailer

Lower funnel or upper funnel?

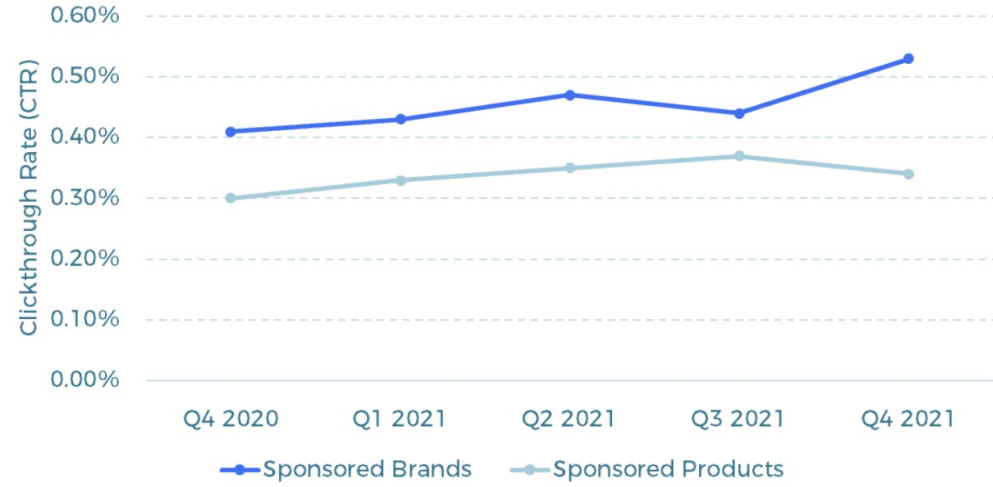
- Upper funnel costs more but also has higher click-through rate
- Lower funnel has higher conversion rate: ready-to-buy
- Return on Ad Spend (\$ revenue for \$1 spend) similar: \$6 - \$7
- Upper funnel works especially well in high season (Q4 in USA)

Source: Costello 2022 <https://skai.io/blog/amazons-advertising-numbers/>

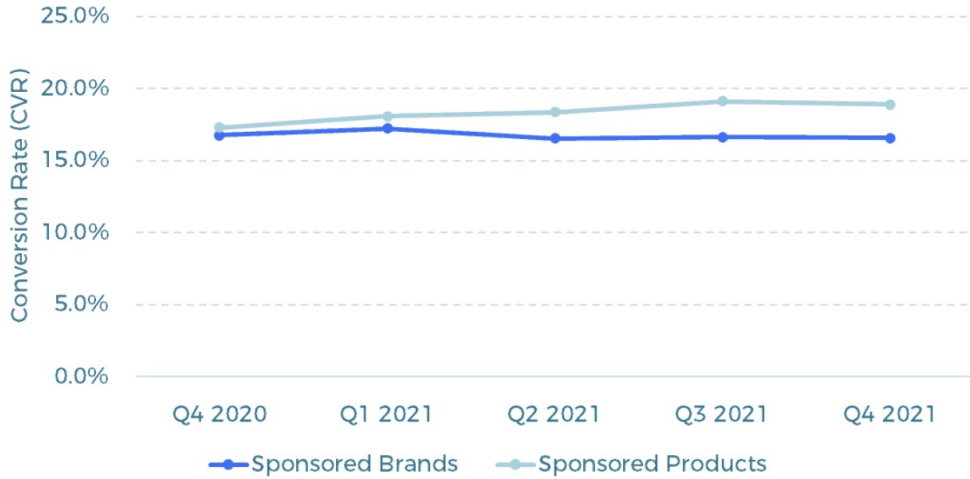
CPC by type :: Amazon



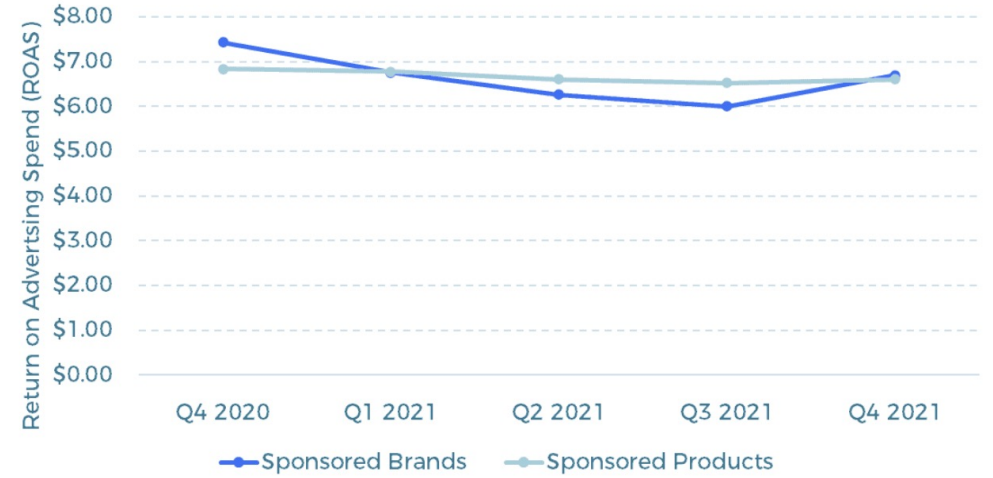
CTR by type :: Amazon



CVR by type :: Amazon



ROAS by type :: Amazon



How retail media fits in the brand's omni-ecosystem

Making the e-commerce business model more scalable

"Retail Media is a way of making the e-commerce business model more scalable. Let's not forget 80% of all of our sales come from the bricks and mortar. So omnichannel is still going to be where this is won and lost.

"Being able to take rich first-party data, connect it to in-store shoppers, and then look at your technology and advertising in-store to look at how you have different messages in different stores on different days of the week and different times of day, based on the weather."

Alex Crowe,
Head of Media Partnerships, Asda UK

Revlon's 'omni-ecosystem'



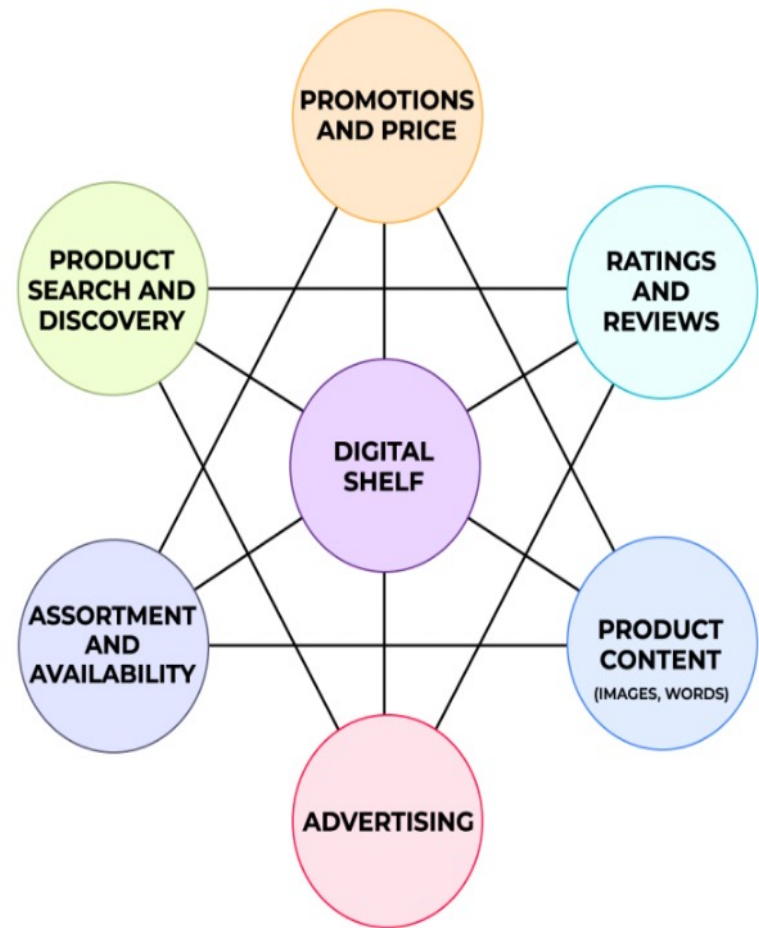
Case Study

How to win on Amazon:

Product page views

Conversion

Reviews



Source: Colin Lewis

Why reviews key to Amazon?

“A seller wrote to me and said, ‘You don’t understand your business. You make money when you sell things. Why do you allow these negative customer reviews?’ And when I read that letter, I thought, we don’t make money when we sell things. We make money when we help customers make purchase decisions” Jeff Bezos



+108%

average sales lift going from 1 review to 2-50 reviews on Amazon.com



+188%

average traffic lift when at least one review is added to a product page on Amazon.com



+206%

average sales lift increasing review velocity (avg. new reviews a month) from 1-5% to 5-10% on Amazon.com



+92%

average sales lift improving your average star rating from 3.5-4 to 4.1-4.5 stars

How to measure product growth: Traffic, Conversion Rate & Reviews

We defined 3 milestones in a new product's growth



**Number of weeks to reach
the top 50 most viewed
products within peer set**



**Number of weeks to reach
the average conversion rate
for peer products**



**Number of weeks to reach
15 verified reviews**

Sources go here.

Criteria to assign products to the two groups

Advertised Group:

Received advertising support in the form of **traffic brought to the detail page.**

Advertising support started **within 5 weeks from the launch** on the website.

Control/Peer Group:

The products **reached the milestones on their own.**

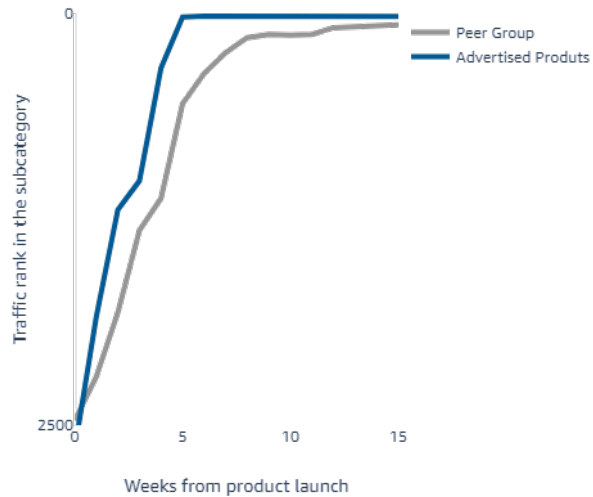
The products are similar to advertised products:

- Same launch period
- Similar in price
- Similar average rating and number of reviews
- All products in the control group are from the top five brands within the peer set

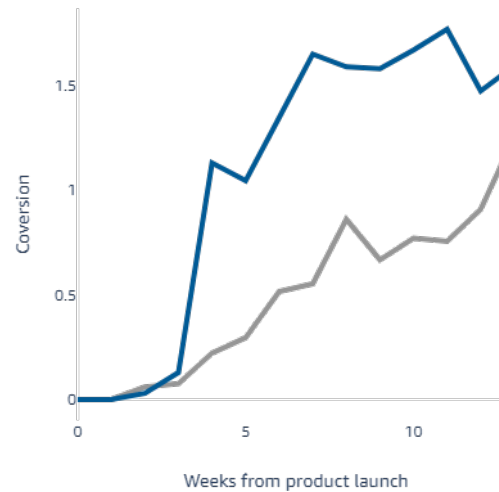
All products studied reached the 3 milestones for traffic, conversion rate and reviews.

Mean evolution for the 3 milestones

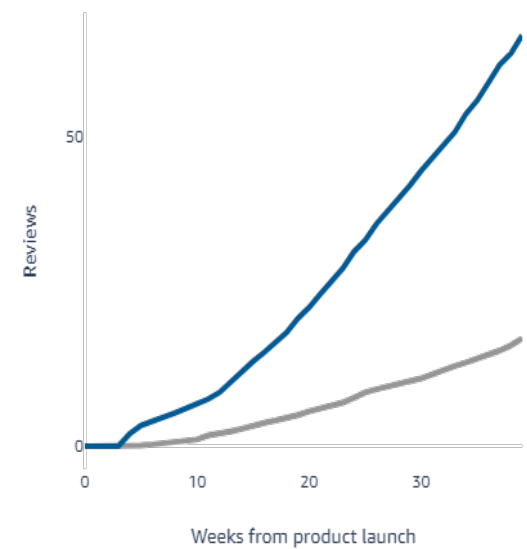
Product Traffic Rank - Mean position of the product studied



Mean Conversion Rate Index vs Category

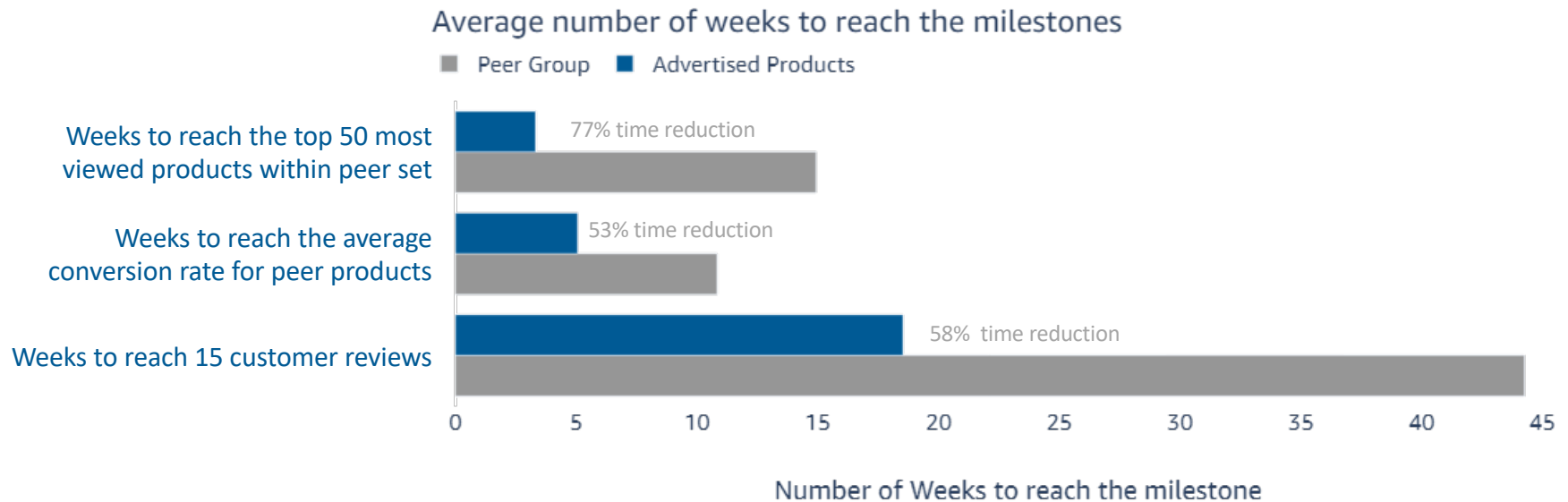


Reviews - Mean numbers of reviews of the product studied



Advertised products grow faster

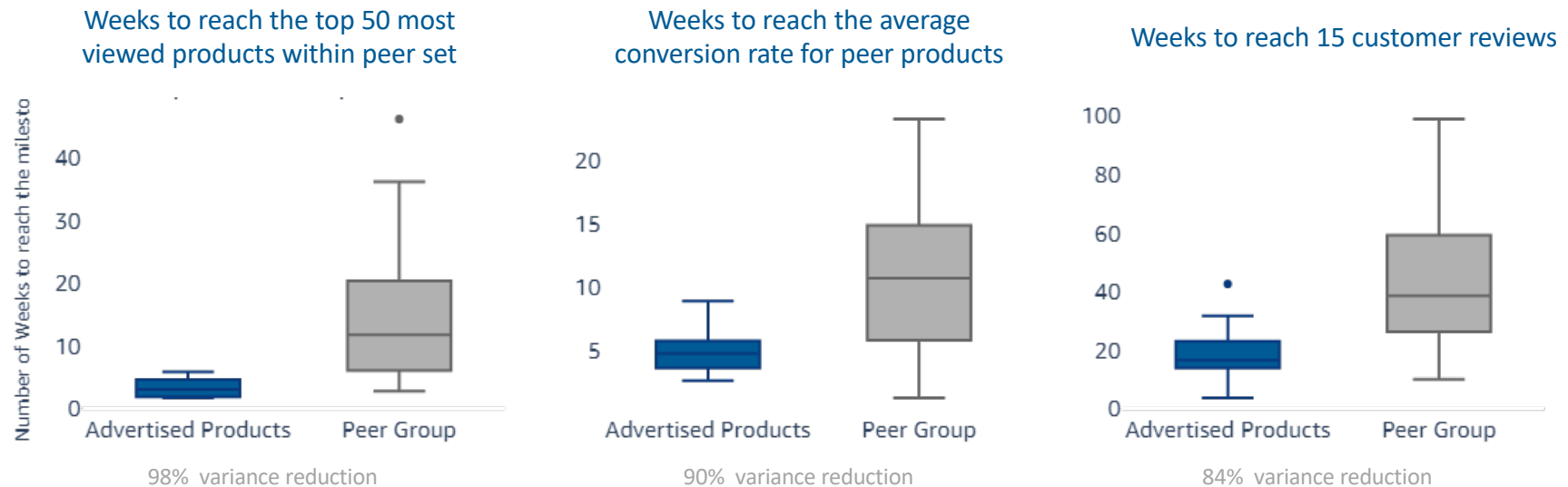
Based on 3 key milestones:



All results are statistically significant at 95% confidence level – Tested with ANOVA

Advertising reduces variance in speed of growth

Lower variance means lower uncertainty in the weeks following product launch



All results are statistically significant at 95% confidence - Tested with Brown-Forsythe Test

Take away: Advertising accelerates the success of new products

Growth in
Traffic



Advertising
accelerates growth
by more than 50%

Growth in
Conversion Rate



Advertising
reduces the variance of growth
by more than 80%

Growth in
Number of Reviews



Plan and justify your advertising campaigns for product launches

Advertising can cut in half the time needed to achieve key product growth milestones

On average advertised products grew faster in three dimensions:

Traffic:

**11 weeks
faster**

To reach the **top 50 most viewed products** within peer set

Conversion rate:

**5 weeks
faster**

To reach the average conversion rate for peer products

Reviews:

**25 weeks
faster**

To reach **15 verified reviews**

If you need speed, **advertise!**

Expanding the scope of Amazon Ads research

SALES	Advertising	On-Amazon	Off-Amazon
On-Amazon		Ads halve time for new product to reach search, sales, reviews milestones (Bertozzi et al. 2022)	Needs data from brand managers (clean rooms, Amazon Marketing Cloud, Nielsen, Kantar)
Off-Amazon		This paper (Netzer et al.)	Outside vendors

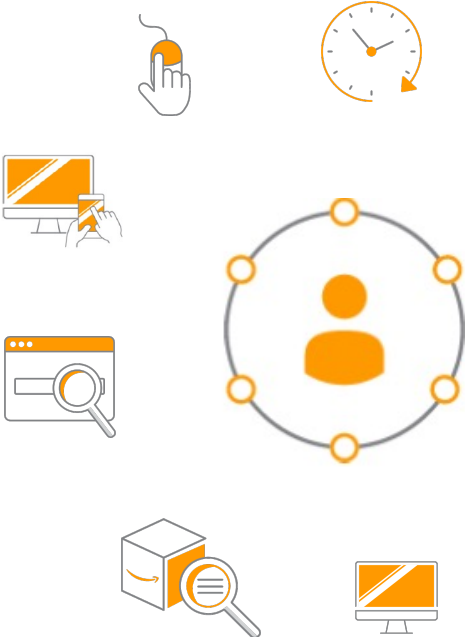
Quantifying webrooming: Data and Method

Off-Amazon Amplification: Customers who research products on Amazon but buy them elsewhere (US Survey in 2/2020)

Analytical approach to compute Amplifier Ratio and ROPES

- Survey of Amazon visitors in categories of laptops and smartphones
- Use ML model to predict off-Amazon purchases with Amazon action
- Amplifier Ratio (AR) = webrooming customers / on-Amazon buyers
- ROPES = webrooming customers / on-Amazon category searchers
- Regress ROPES on different Amazon ads to quantify drivers

Amplifier Ratio



Observed user research and purchase behavior on Amazon



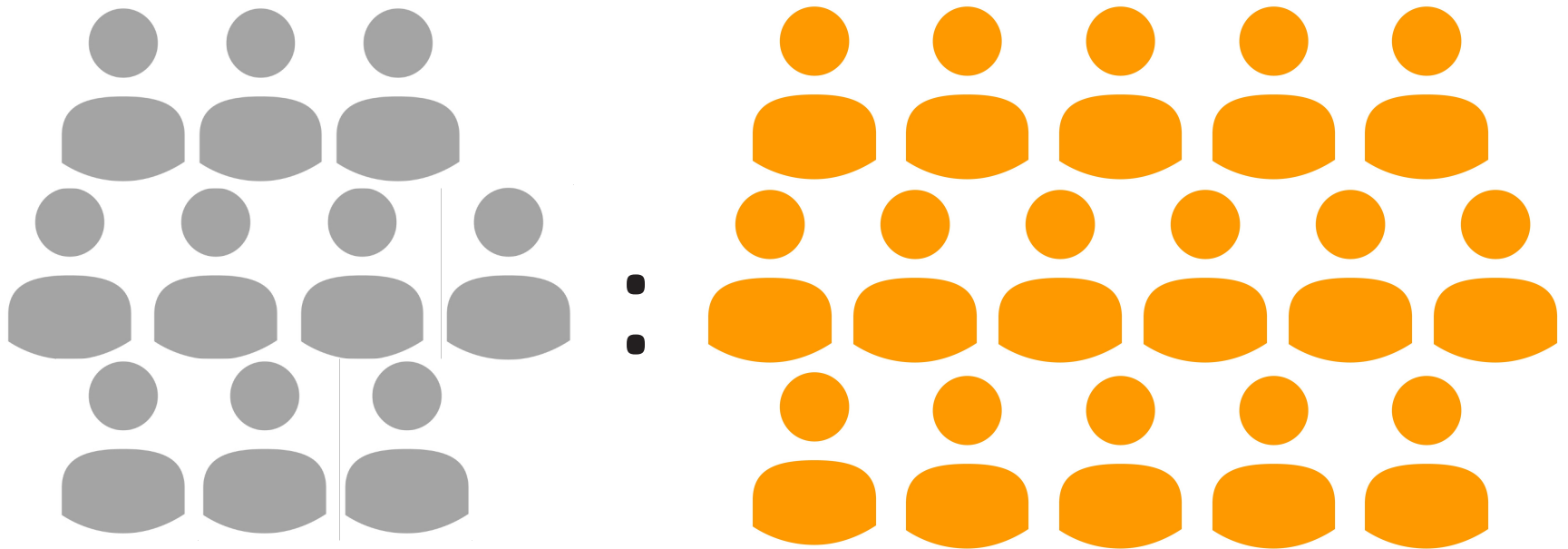
Purchase off-Amazon

Purchase on Amazon

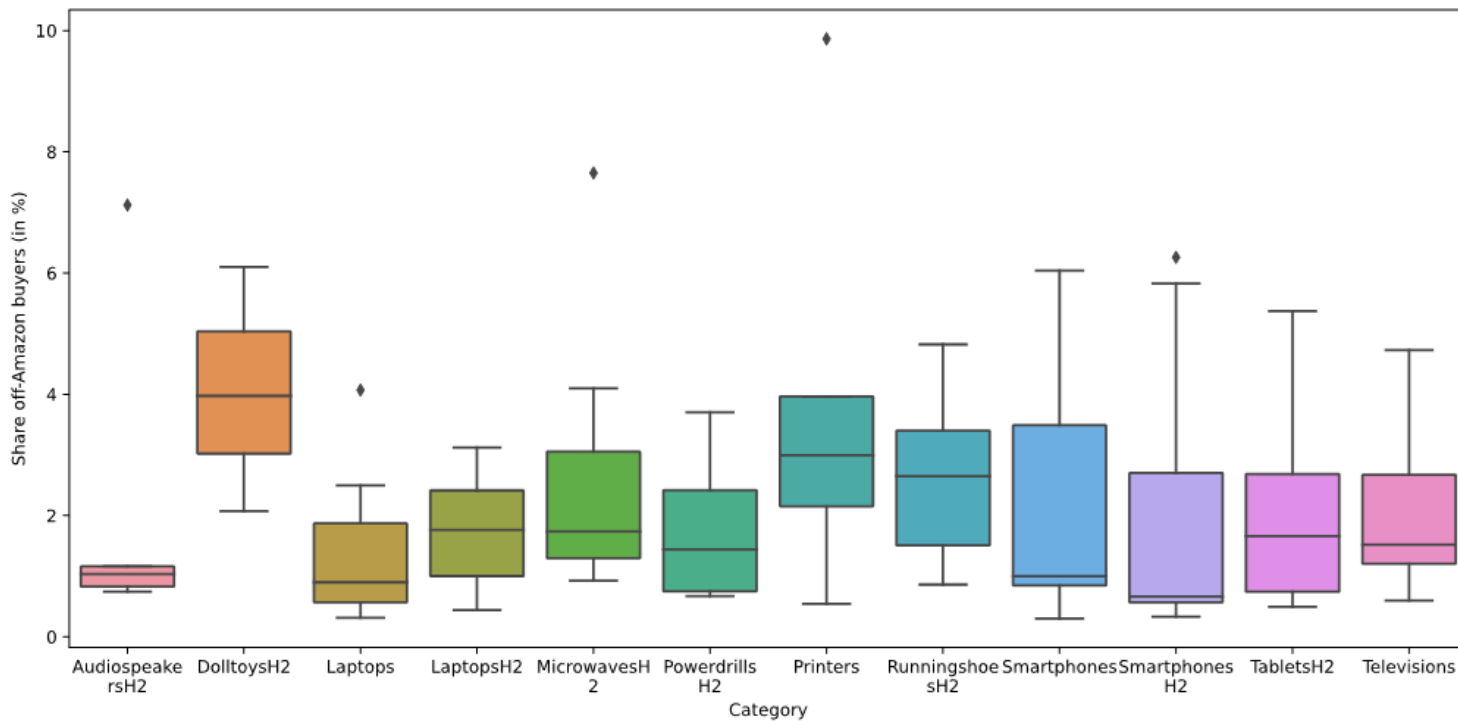
No Purchase

$$\text{Amplifier Ratio} = \frac{\text{Purchases off-Amazon}}{\text{Purchases on Amazon}}$$

For every 10 Amazon buyers of Laptops (Smartphones), 16 (21) users research on Amazon.com and purchase elsewhere



ROPES: Share of off-Amazon buyers (baseline on-Amazon shoppers)



Total survey sample: 42K
Wave 2 (H2) in 2021
Example: The median share of off-Amazon buyers was ~4% vs. on-Amazon buyers in Doll Toys category, with lower quartile ~3%, upper quartile ~5%, min 2% and max 6% for all brands in this category covered by the survey responders

* *_H2* notation at the end of a brand name indicates that this is the observation from the second wave of surveys

Source: Amazon internal data, Jul-Oct 2021, USA. 50,000 survey responders

Machine Learning model to predict ROPES

We train a **Random Forest model** to predict ROPES across categories - based on observed customer and browsing behavior variables related to:

- (1) Customer journey on Amazon in focus product category,
- (2) Past purchase behavior,
- (3) Demographic information.

RF model as good as Gradient Boosting and Deep Learning Neural Nets

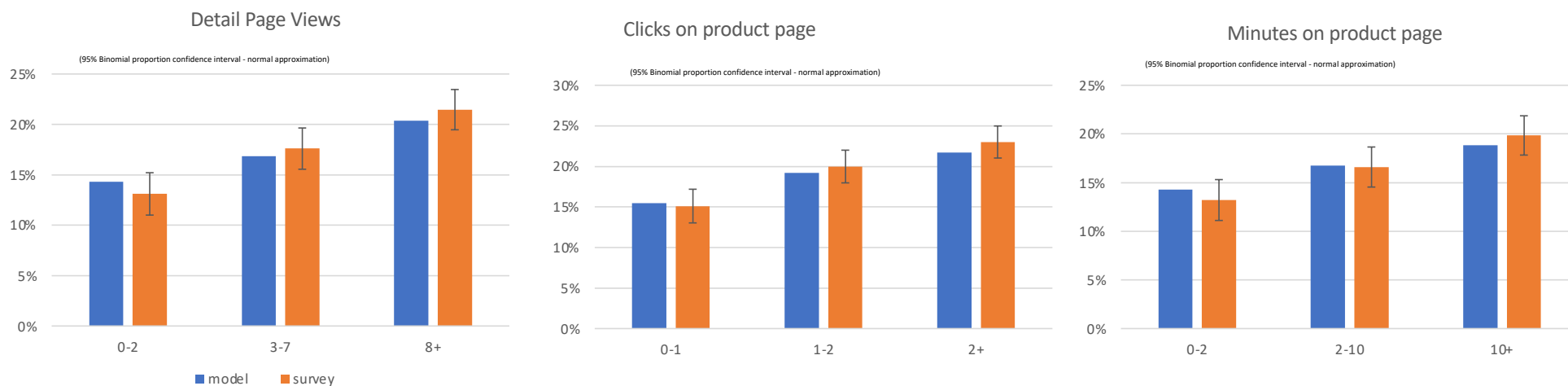
- (a) Achieves **high level of accuracy** of less than 1% error,
- (b) Accurately **predicts** proportion of off-Amazon buyers in each **activity group**,*
- (c) Accurately **predicts ROPES across categories, time periods and brands (92.1% no significant difference, average Pearson correlation = 0.83**
- (d) **Feature importance** confirmed by 2SLS Instrumental Variables (Endogeneity)

*although it predicts somewhat lower differences across activity groups than were actually observed.

Customers who research more but do not buy on Amazon are more likely to purchase off-Amazon

Share of off-Amazon buyers (among customers who did not buy on Amazon) in different activity groups

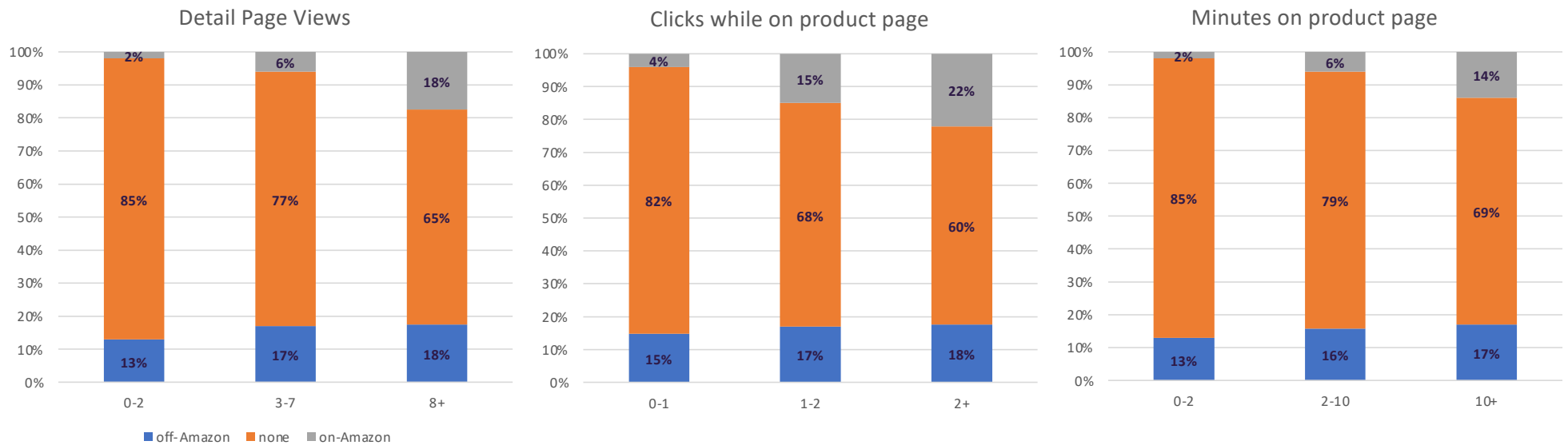
(Off-Amazon share calculated as off-Amazon buyers divided by off-Amazon buyers plus non-buyers)



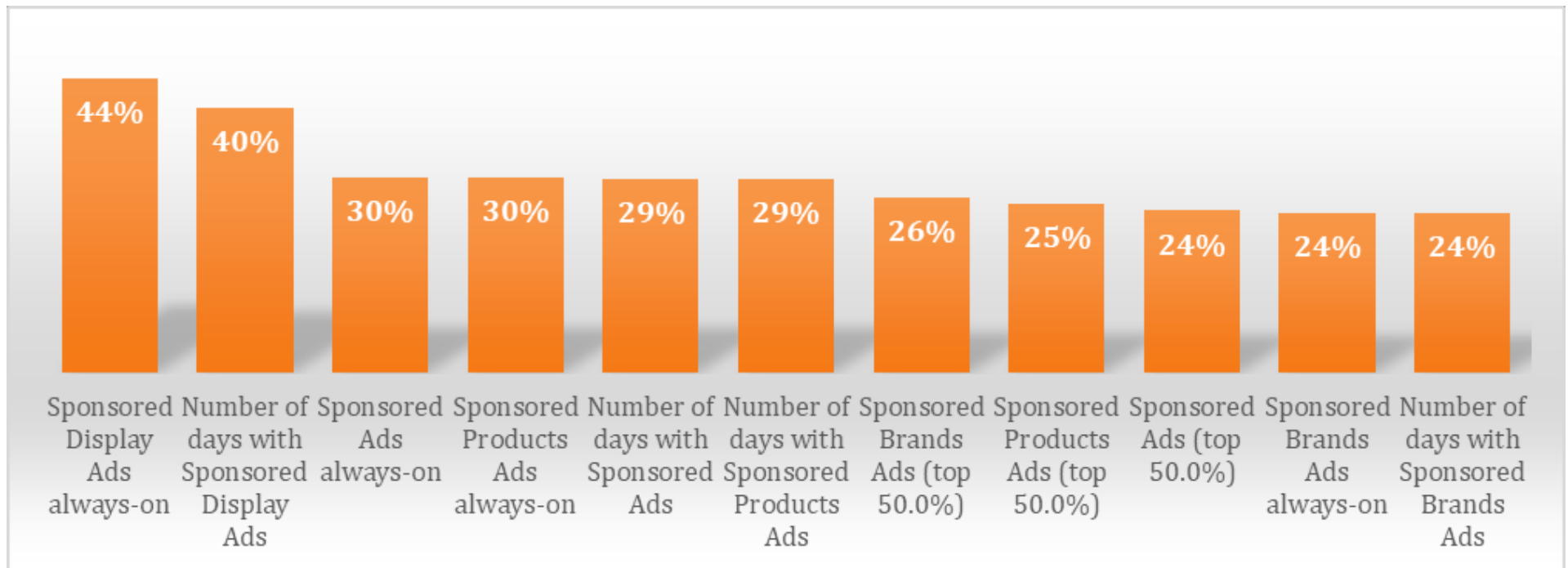
Source: Amazon data warehouse

Customers who research are not only more likely to buy on Amazon but also off-Amazon

Total percentage of buyers on Amazon, off-Amazon and non-buyers in different activity groups



Upper funnel ads, especially always-on, show most Off-Amazon sales contribution to on-Amazon sales



Source: Amazon internal data, Jul-Oct 2021, USA, 50,000 survey responders. (95% confidence interval - normal approximation)

What have we learned?

- 1 Amazon Ads helps to reach customers that purchase elsewhere.
- 2 Customers who research more but do not buy on Amazon are more likely to purchase off-Amazon.

Thank You!

QUESTIONS?

