

Getting Started with Conversion Research

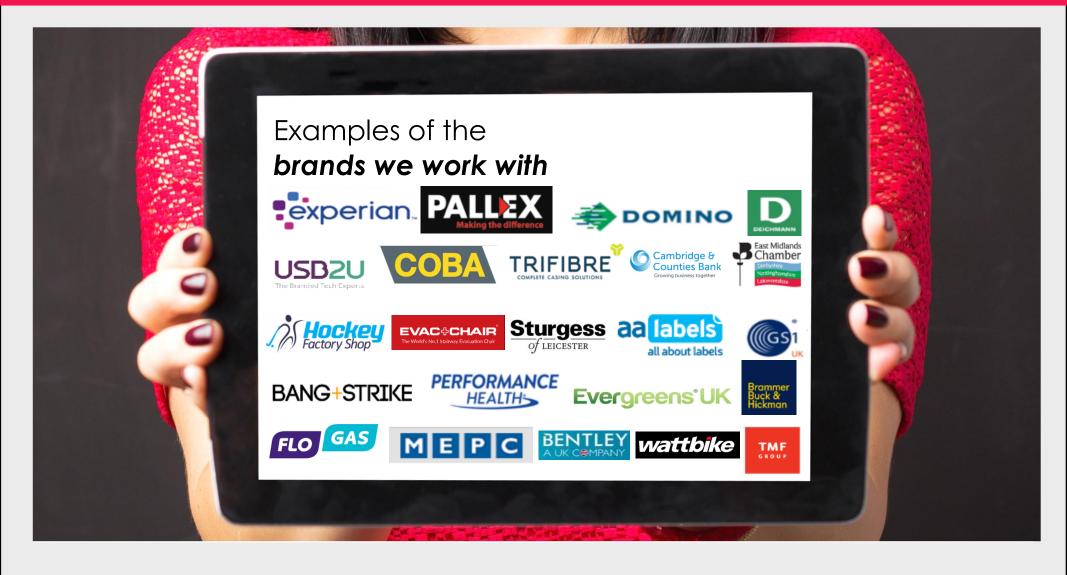
By Ed Truman (7th August 2020)



About Me - Ed Truman

- 11 years Marketing Experience
- GA specialist for 4 years
- 7 Years at Anicca
- Hundreds of GA setups carried out
- Google Data Studio Ambassador
- Proficient in gathering user insights from GA
- Enjoy surfacing user insight
- Hate badly configured skewed GA Accounts!





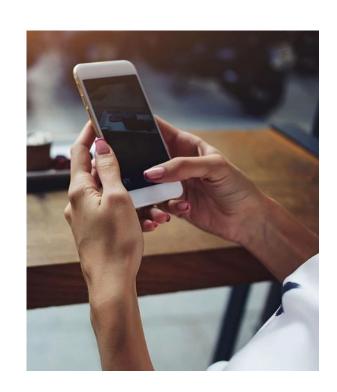
What is Conversion Rate Optimisation?

Conversion rate optimisation (CRO) is the systematic process of increasing the percentage of website visitors who take a desired action on your website

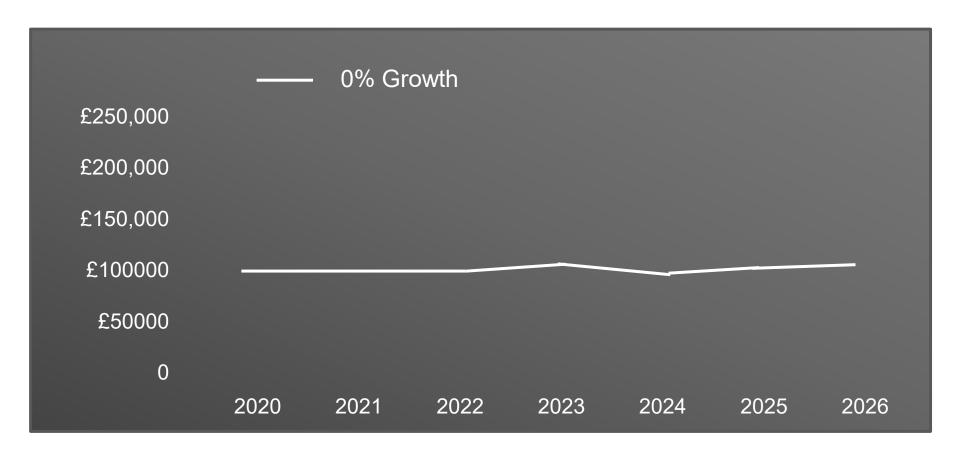
It's basically about understanding what makes people who are relevant to your business buy or not buy so that you can take action to make improvements!

Reasons to do it

- Solve Visitor Pain Points
- Make More Money
- Get Better ROI from Existing Traffic
- Reduce Abandonment Rates
- Take out the guess work
- Achieve Statistically Significant Improvements
- Profitably Redesign your Website

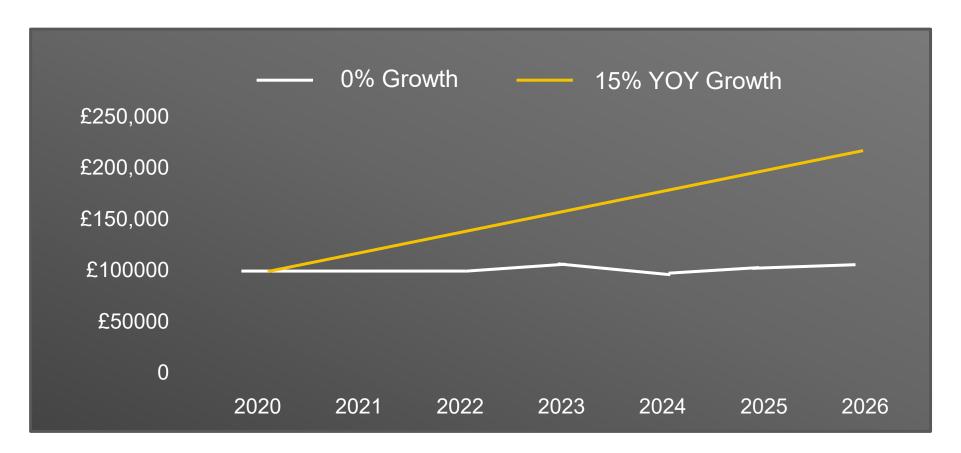


The Impacts of Conversion Rate Program on Revenue



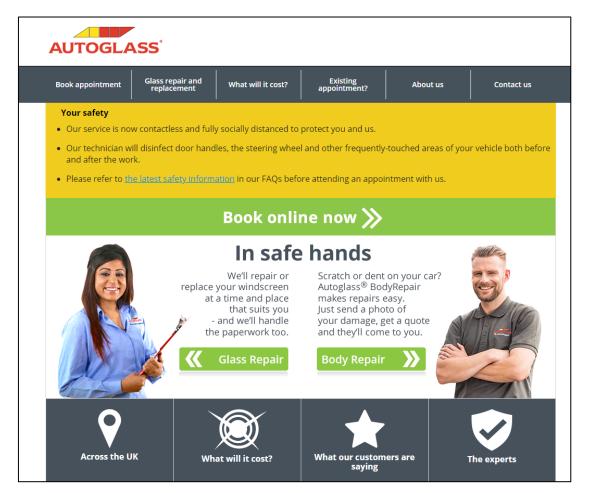


The Impacts of Conversion Rate Program on Revenue

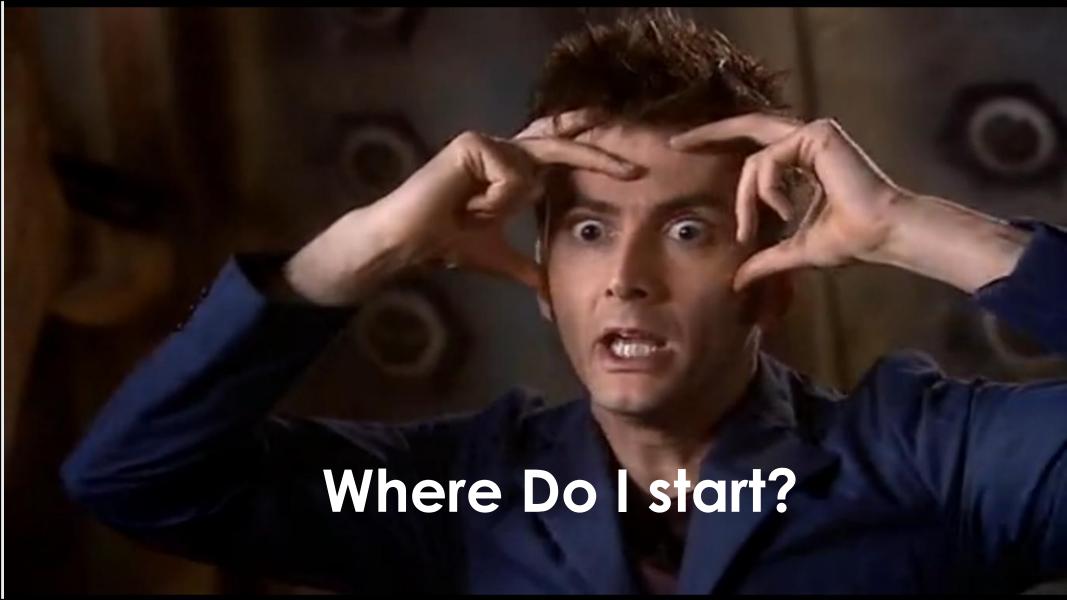




How do we improve this website by 10%?







It All Starts with Research!

We need to know what matters!

- Which parts of website help conversion rate
- Which parts don't
- Understand what matters to your target audience
- How do they buy / How do they want to buy
- What?
- Where?
- Mhy?



Ask the right questions

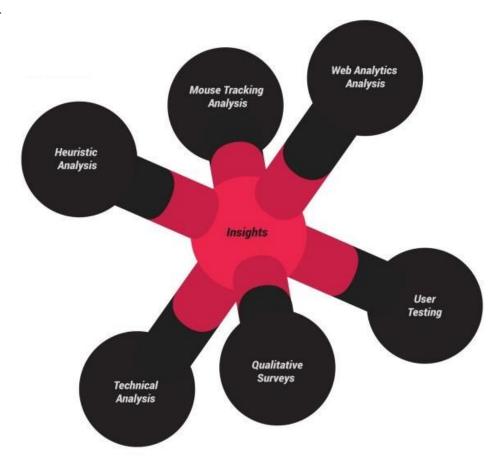
- Whose problem are we solving?
- What do they need?
- What do they think they want?
- Mhy?
- How do they choose or decide?
- What are they thinking when the see our offer?
- How is what we sell different?
- Where is the site leaking money?
- What are they doing or not doing on the website?
- What leads more people to do X?





Research XL Framework

A Method and process for gathering data, analysing data, establishing needs





https://cxl.com/

The Conversion Research Process

Step 1. Technical analysis Step 4. Mouse tracking analysis ☐ Cross-browser testing ☐ Heat maps & click maps ☐ Cross-device testing □ Scroll maps ☐ Conversion rate per device / ☐ User session video replays browser □ Speed analysis Step 5. Qualitative research / surveys ☐ Customer surveys Step 2. Web analytics analysis ☐ Web traffic surveys ☐ Analytics health check: is everything ☐ Chat logs being measured, is everything accurate □ Interviews ☐ Set up measurement for KPIs ☐ Identify leaks Step 6. User testing ☐ Identify usability & clarity issues, sources of friction Step 3. Heuristic analysis ☐ Identify "areas of interest" Check key pages for relevancy,

Conversion



motivation, friction issues



Step 1 Technical Analysis

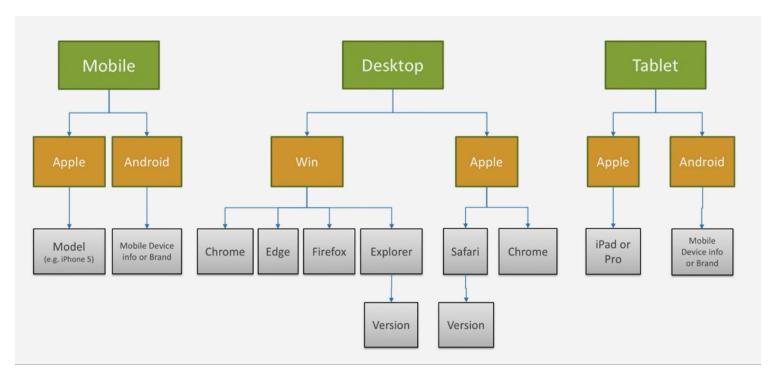
- 1. Is anything broken?
- 2. Where
- 3. Which Browsers
- 4. Which Devices
- 5. Which pages are slow





Devices, Operating Systems, & Browser Analysis

Take Your Goal Metrics and assess Engagement & Conversion rates across all of these





Use This Free GA Report http://bit.ly/2vYPxhB

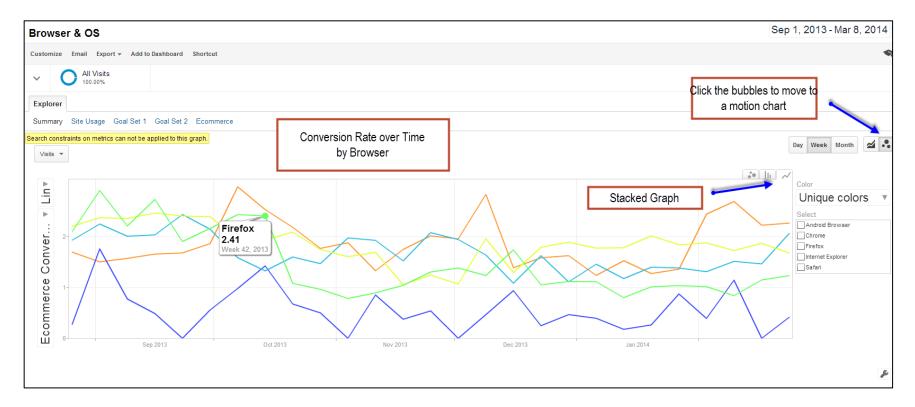
Device Category ②	Users ? ↓ ↓	New Users ?	Sessions ?	Bounce Rate ?	Pages / Session	Avg. Session Duration	Transactions ?	Revenue ? §	Ecommerce Conversion Rate ? [Goal Conversion Rate
	2,019,034 % of Total: 100.00% (2,019,034)	1,977,391 % of Total: 100.00% (1,977,391)	2,493,351 % of Total: 100.00% (2,493,351)	65.40% Avg for View: 65.40% (0.00%)	2.43 Avg for View: 2.43 (0.00%)	00:01:07 Avg for View: 00:01:07 (0.00%)	33,945 % of Total: 100.00% (33,945)	£640,115.00 % of Total: 100.00% (£640,115.00)	1.36% Avg for View: 1.36% (0.00%)	27.97% Avg for View: 27.97% (0.00%)
1. mobile	1,402,593 (70.03%)	1,386,048 (70.09%)	1,768,385 (70.92%)	65.95%	2.37	00:00:56	19,633 (57.84%)	£383,112.00 (59.85%)	1.11%	26.96%
2. desktop	376,098 (18.78%)	369,427 (18.68%)	449,425 (18.02%)	61.82%	2.86	00:01:54	11,335 (33.39%)	£199,171.00 (31.11%)	2.52%	35.67%
3. tablet	224,040 (11.19%)	221,916 (11.22%)	275,541 (11.05%)	67.65%	2.14	00:01:03	2,977 (8.77%)	£57,832.00 (9.03%)	1.08%	21.85%

	Operating System 🕜	Users ?	New Users ?	Sessions ?	Bounce Rate ?	Pages / Session 🕜	Avg. Session Duration ?	Transactions ?	Revenue ?	Ecommerce Conversion Rate ②	Goal Conversion Rate
		3,823 % of Total: 57.89% (6,604)	3,674 % of Total: 57.91% (6,344)	4,873 % of Total: 60.35% (8,074)	74.94% Avg for View: 78.47% (-4.50%)	1.79 Avg for View: 1.59 (12.43%)	00:01:40 Avg for View: 00:01:13 (37.88%)	0 % of Total: 0.00% (0)	£0.00 % of Total: 0.00% (£0.00)	0.00% Avg for View: 0.00% (0.00%)	68.11% Avg for View: 52.08% (30.78%)
1.	Windows	2,276 (59.52%)	2,168 (59.01%)	3,090 (63.41%)	72.52%	1.89	00:02:03	0 (0.00%)	£0.00 (0.00%)	0.00%	71.88%
2.	Macintosh	1,168 (30.54%)	1,129 (30.73%)	1,367 (28.05%)	75.64%	1.74	00:01:13	0 (0.00%)	£0.00 (0.00%)	0.00%	73.52%
3.	(not set)	231 (6.04%)	231 (6.29%)	231 (4.74%)	94.81%	0.96	<00:00:01	0 (0.00%)	£0.00 (0.00%)	0.00%	9.09%
4.	Linux	98 (2.56%)	98 (2.67%)	103 (2.11%)	86.41%	1.53	00:01:02	0 (0.00%)	£0.00 (0.00%)	0.00%	36.89%
5.	. Chrome OS	46 (1.20%)	43 (1.17%)	77 (1.58%)	83.12%	1.22	00:00:41	0 (0.00%)	£0.00 (0.00%)	0.00%	44.16%
6.	Android	4 (0.10%)	4 (0.11%)	4 (0.08%)	100.00%	1.00	00:00:00	0 (0.00%)	£0.00 (0.00%)	0.00%	0.00%
7.	ios	1 (0.03%)	1 (0.03%)	1 (0.02%)	100.00%	1.00	00:00:00	0 (0.00%)	£0.00 (0.00%)	0.00%	0.00%



Conversion Rate by Browser Type

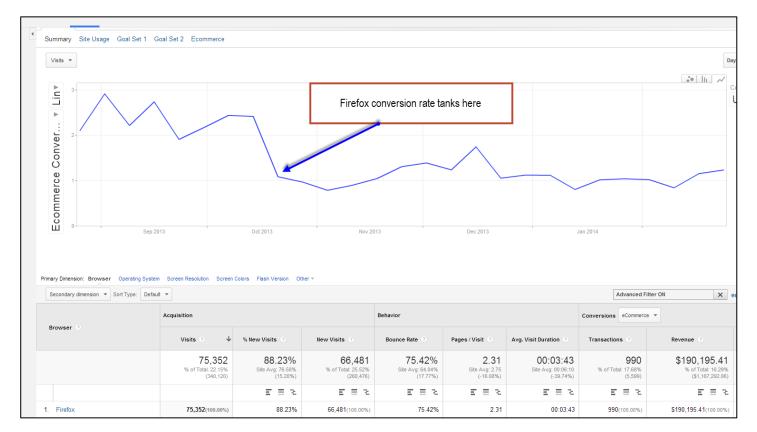
- View conversion rates of different browsers over time
- Go to Audiences >Technology>Browser & OS





Conversion Rate by Browser Type

 Right away, I noticed that Firefox took a big dip in October 2013. By applying an advanced filter this to this report, I was very able to quickly isolate the conversion rate in Firefox.





Device C	ategory									
Category	Segment	Version	Users	Sessions	% of this section	Sales	Revenue	RPU	User Ecom CR	What if?
Desktop	All	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	
Mobile	All	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Tablet	All	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Mobile										
Category	Segment	Version	Users	Sessions	% of this section	Sales	Revenue	RPU	User Ecom CR	What if?
Mobile	iPhones (iOS)	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	
Mobile	Android	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Mobile	Windows	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Tablet										
Category	Segment	Version	Users	Sessions	% of this section	Sales	Revenue	RPU	User Ecom CR	What if?
Tablet	iPad (iOS)	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	
Tablet	Android	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Tablet	(other)	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Desktop										
Category	Segment	Version	Users	Sessions	% of this section	Sales	Revenue	RPU	User Ecom CR	What if?
Desktop	Chrome	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	
Desktop	Internet Explore	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Desktop	Edge	All	0	0	0%	0	0	#DIV/0!	#DIV/0!	#DIV/0!
Dockton	Cafari	AH	^	^	00/	^	^	#DIV/OL	#DIV/0I	#DIV /OI

https://bit.ly/30u7L7U



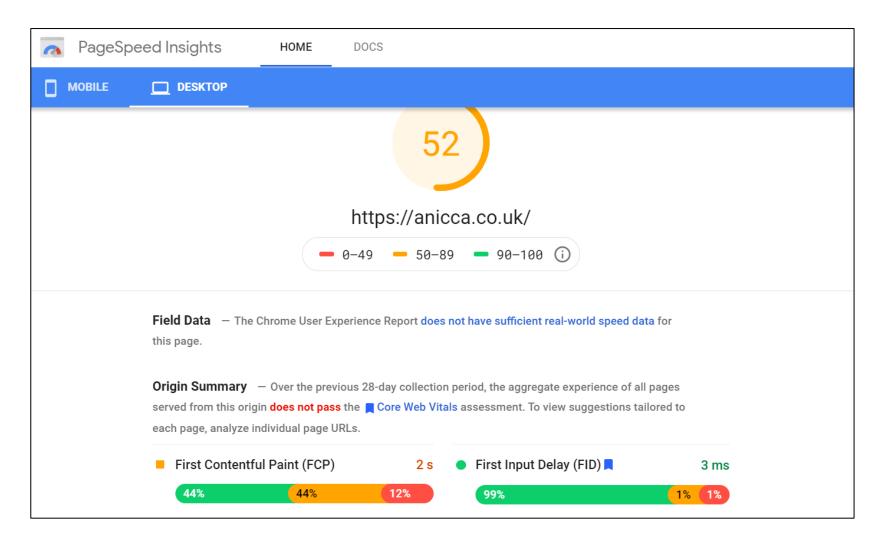
Identifying Slow Loading Pages in GA

- Go to Behaviour > Site Speed > Page Timings
- View site speed for different devices, browsers, and geographic areas to find where improvement opportunities exist
- TIP: Use Avg. Document Interactive Time to give you an accurate reflection of how long it takes before the
 user can see and interact with the page.

Site Usage Technical DOM Timings

Pa	nge ⑦	Device Category ⑦ 🛇	Pageviews ? ↓	Avg. Document Interactive Time (sec)	Avg. Document Content Loaded Time (sec)	Avg. Page Load Time (sec) ?
1.	/ @	desktop	3,555 (3.27%)	3.34	3.35	9.08
2.	/ @	mobile	2,278 (2.09%)	20.05	20.05	22.20
3.	/slimming-sportswear/slimming-sportswear-botto $_{\ensuremath{\mathbb{Z}}}$ ms.html	mobile	1,394 (1.28%)	10.14	10.14	12.51
4.	/slimming-sportswear.html	mobile	1,383 (1.27%)	9.64	9.64	13.48
5.	/slimming-sportswear/slimming-sportswear-botto $_{\ensuremath{\mathbb{Z}}\xspace}$ ms.html	desktop	1,256 (1.15%)	7.94	8.08	14.42
6.	/ Æ	tablet	1,205 (1.11%)	1.85	1.85	3.96
7.	/tummy-control-legging-high-black.html	mobile	999 (0.92%)	17.36	17.36	23.58
8.	/sports-bottoms.html	desktop	900 (0.83%)	5.64	5.64	8.19
9.	/footwear.html	desktop	846 (0.78%)	6.49	6.49	11.40
10.	/slimming-sportswear.html	desktop	830 (0.76%)	10.75	10.79	13.16









Step 2 Heuristic Analysis

- 1. Relevance
- 2. Clarity
- 3. Motivation
- 4. Friction / Distraction

Walk through the customer journey to identify areas of interest

Heuristic Analysis Example

Distraction

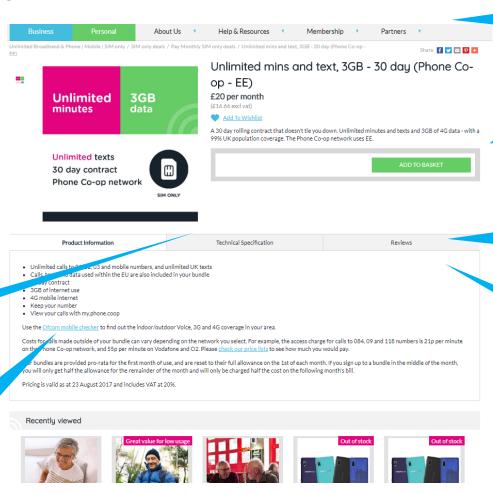
Text in image too distracting and makes page feel busy. Reduce to icon and network logo.

Clarity Small Text

Clarity
Redundant Tabs

Distraction

Outbound links acts a distraction and removes the person from the process of buying. Keep information on page or use



Motivation

No Visible Delivery & Returns info on page.

Distraction

In consistent button colour. Was green now Pink. Also border around button is a distraction.

Motivation

Hidden Reviews. Make Reviews more visible on page.

Friction

Include an FAQ tab to address frequently asked questions

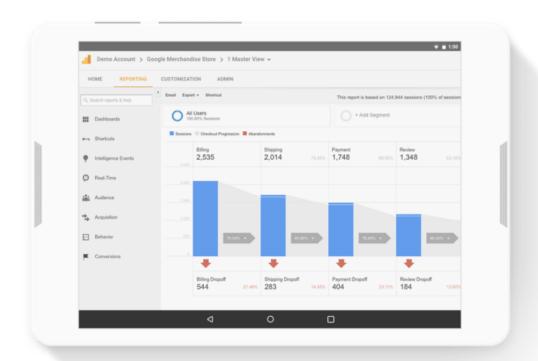
Would taking users directly to basket rather than the option to continue shopping work better?





Data Analytics

- 1. Where are the leaks?
- 2. Which segments?
- 3. What are users doing?
- 4. Which actions correlate with higher conversions?





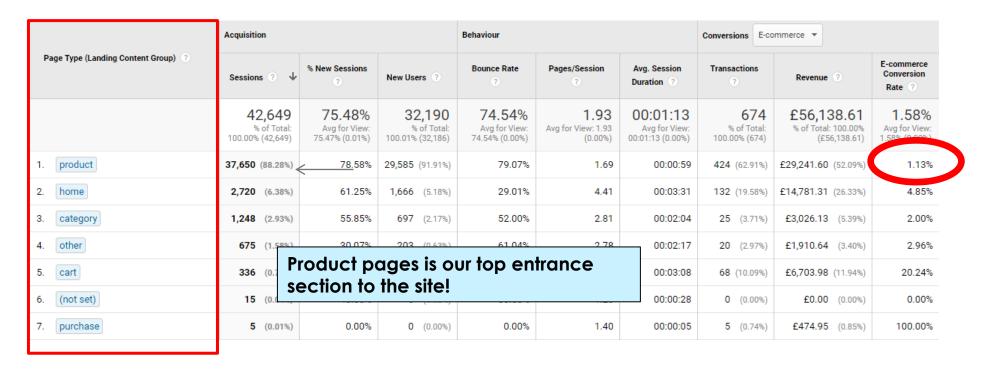
Track as much as you can – You might need it later

Interaction I love you Dwell time Short-term goals Subscribe Long-term goals Qualitative



Locate the pages and sections site where users Abandon

- Group your pages by page type to see the sections where users enter
- Review bounce rates & conversion rates for each section and drill down to individual pages





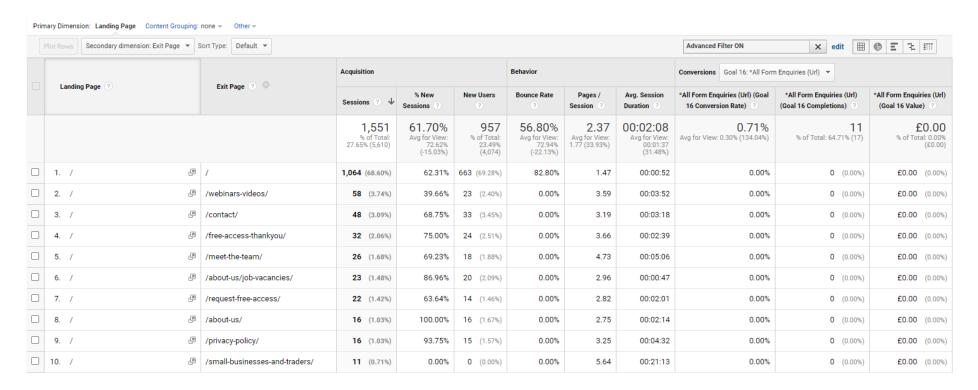
Where are the leaks





Landing & Exit Page Analysis

Use the landing pages report with the secondary dimension of exit page to see the pages users abandon on





Identify High Bounce Landing Pages

- Understand which pages users enter on and whether they go to view other pages
- Do users who land on your page end up converting?
- Check for high bounce rate and poor converting pages

L	anding Page ⑦	Sessions	? ↓	% New Sessions ?	New Users		Bounce Rat	Pages/Session	Avg. Session Duration	Transactions	Revenue ?	E- commerce Conversion Rate ?
1.	/home @	54,431 (5	6.91%)	72.13%	39,261 (55.8	1%)	55.40%	3.95	00:02:23	1,149 (57.22%)	US\$204,861.72 (53.89%)	2.11%
2.	/google+redesign/shop+by+brand/you 📳	18,166 (1	8.99%)	91.96%	16,706 (23.7	1%)	63.75%	2.28	00:00:58	16 (0.80%)	US\$1,920.04 (0.51%)	0.09%
3.	/google+redesign/apparel/mens/mens +t+shirts	3,002 (3.14%)	79.98%	2,401 (3.4	(%)	43.34%	4.81	00:02:46	26 (1.29%)	US\$1,719.80 (0.45%)	0.87%
4.	/google+redesign/nest/nest-usa	2,353 (2.46%)	47.00%	1,106 (1.5	1%)	28.05%	6.79	00:04:14	323 (16.09%)	US\$67,983.20 (17.88%)	13.73%
5.	/signin.html	1,583 (1.66%)	30.39%	481 (0.6	1%)	36.45%	3.69	00:02:01	43 (2.14%)	US\$6,514.58 (1.71%)	2.72%
6.	/google+redesign/shop+by+brand/waz e/waze+pack+of+9+decal+set.axd	1,373 (1.44%)	92.57%	1,271 (1.8	%)	87.40%	1.44	00:00:20	0 (0.00%)	US\$0.00 (0.00%)	0.00%
7.	/google+redesign/apparel	1,052 (1.10%)	69.77%	734 (1.0	1%)	40.97%	4.85	00:03:00	11 (0.55%)	US\$454.46 (0.12%)	1.05%
8.	/google+redesign/bags @	919 (0.96%)	68.34%	628 (0.8	196)	45.92%	4.40	00:02:24	8 (0.40%)	US\$505.00 (0.13%)	0.87%
9.	/basket.html @	853 (0.89%)	23.45%	200 (0.2	1%)	42.56%	6.99	00:04:45	140 (6.97%)	US\$33,474.25 (8.80%)	16.41%
10.	/google+redesign/accessories/sticker (P) s/home	831 (0.87%)	87.85%	730 (1.0	1%)	51.99%	4.04	00:02:13	3 (0.15%)	US\$24.08 (0.01%)	0.36%



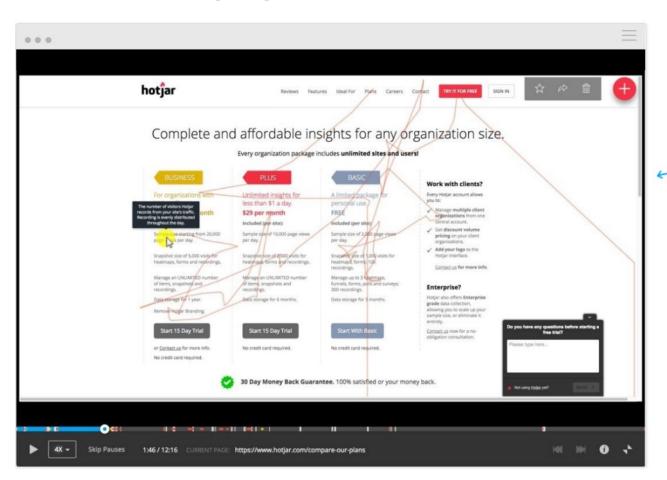


Mouse Tracking and Form Analytics

- Where do they click
- How Far Down they Scroll
- Differences between devices
- Session Replays



Session Replays



☐ Visitor Recordings

See what your users see – Eliminate guesswork with Recordings of real visitor behavior on your site. By seeing your visitor's clicks, taps and mouse movements you can identify usability issues on the fly and issues they encounter.

Replay sessions of real site visitors.

Tag Recordings

View user actions and take notes

Share Recordings with anyone

Easily filter your Recordings

Suppress keystrokes and text

Learn more about suppressing keystrokes and text

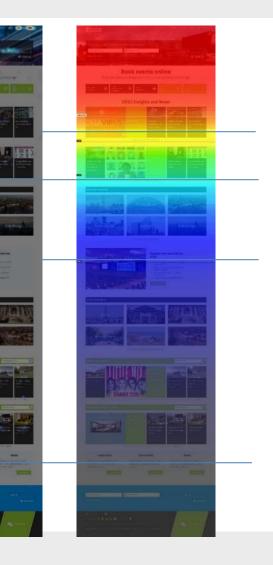


Scroll Mapping Example

Getting detailed insights into where users click and scroll and key pages of the website

Average Fold 50% of users view below this Promote these locations further up the page 25% of users view below this 15% of users reach this point More users search at

bottom of page than Top



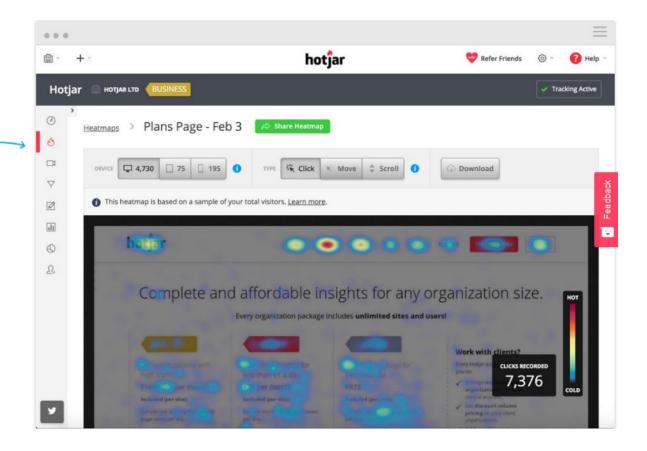


Heatmaps

Meatmaps

Visualize behavior – Understand what users want, care about and do on your site by visually representing their clicks, taps and scrolling behavior – which are the strongest indicators of visitor motivation and desire.

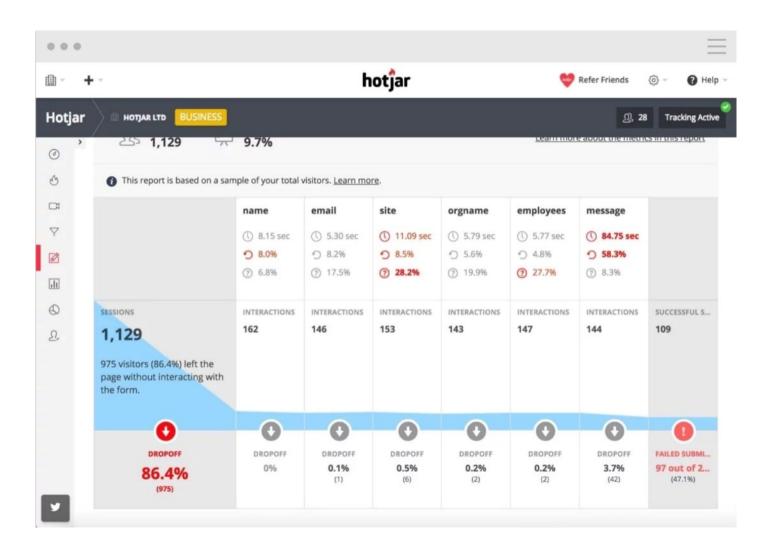
Click Heatmaps Move Heatmaps Scroll Heatmaps Download and share Heatmaps Heatmaps split by device type View sample Heatmap Documentation The Hotjar Heatmap guide





Form Analytics

Find where users are abandoning on forms





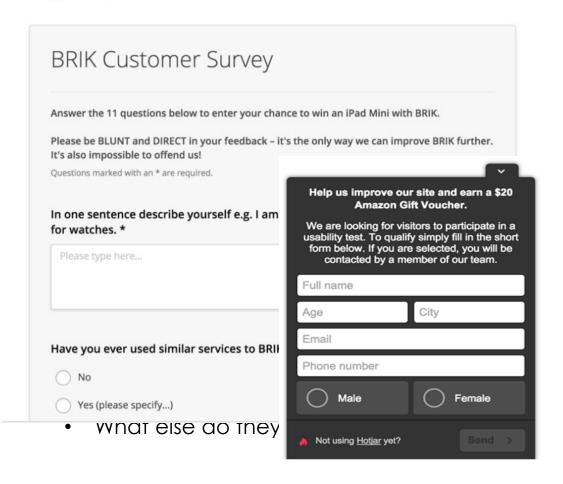


Polls & Surveys Surveys

- Onsite Surveys (Prospects)
- Exit Surveys (Abandoners)
- Post Purchase Surveys (Customers)

Use a combination of closed and open ended questions





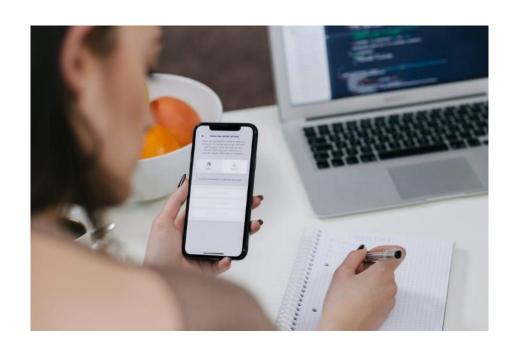




User Testing

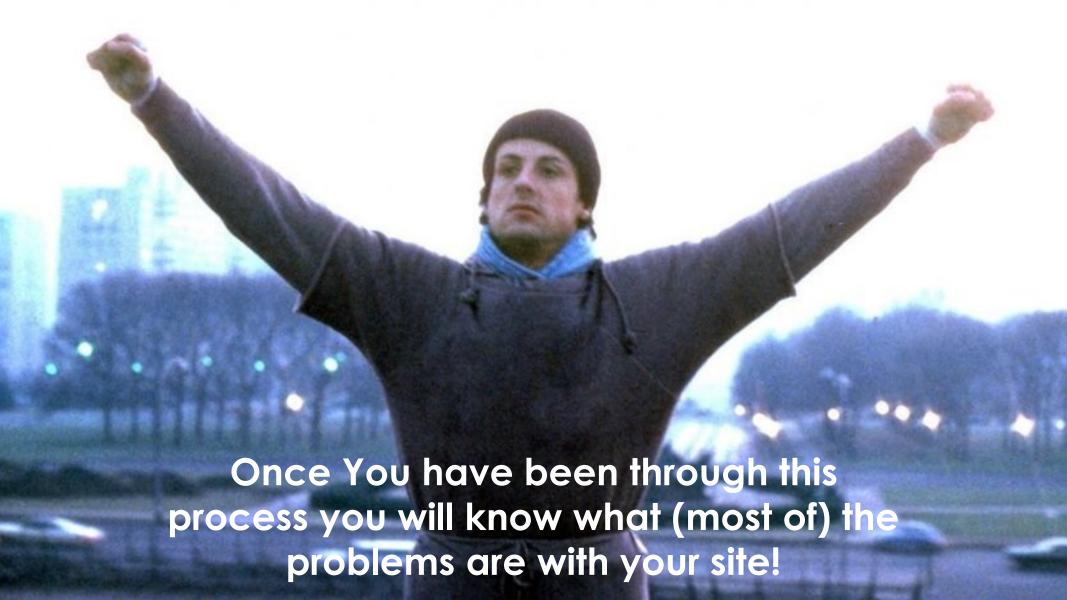
- What's difficult to understand
- What's difficult to do?
- What goes wrong?

- Interviews and Focus Groups
- In-Person or Remote









How Categorise Problems

- Test
- Instrument
- Hypothesise
- Just Do It
- Investigate



Issue	Bucket	Background	Action	Rating
Google Analytics bounce info is wrong	Instrument	Google Analytics script is loaded twice! Line 207 and 506 of the home page both contain GA code, as do all the other pages.	Remove the double entry	****
Conversions are low for IE9.	Investigate	Possible cross-browser issues.	Conduct cross-browser testing.	***
People don't know how to use category pages	Hypothesize	Too many options, unfamiliar information architecture & layout.	Re-think the category page layout	***
Missing value proposition on the home page	Test	Add a compelling value proposition in the header of your website that states what your website is about, what can they do here and why should they do it	Add prominent value proposition	****
Content is very hard to read	JFDI	Font size 11px is too small	Increase font size	***



Finding the Right Solutions

- Headlines and Sub-headlines
- Page Copy
- Design & Layout
- Call to Action
- Navigation
- Forms
- Value Proposition
- Page Length
- Testimonials & Reviews
- Photography
- Offers
- Live Chat



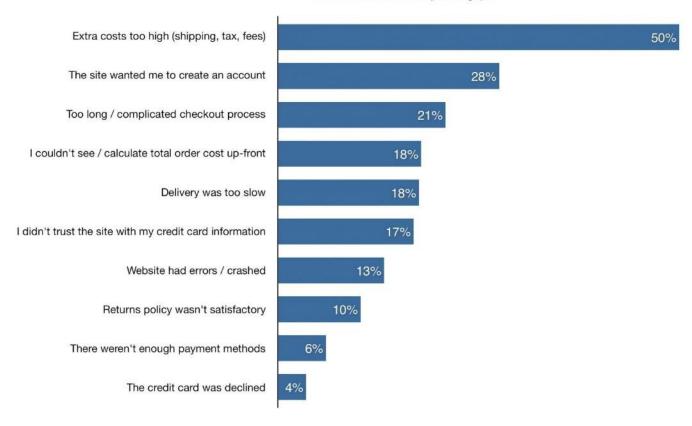


Reasons for Abandonments During Checkout

4,560 responses · US adults · 2020 · © baymard.com/research

"Have you abandoned any online purchases during the checkout process in the past 3 months? If so, for what reasons?"

Answers normalized without the 1 was just browsing' option





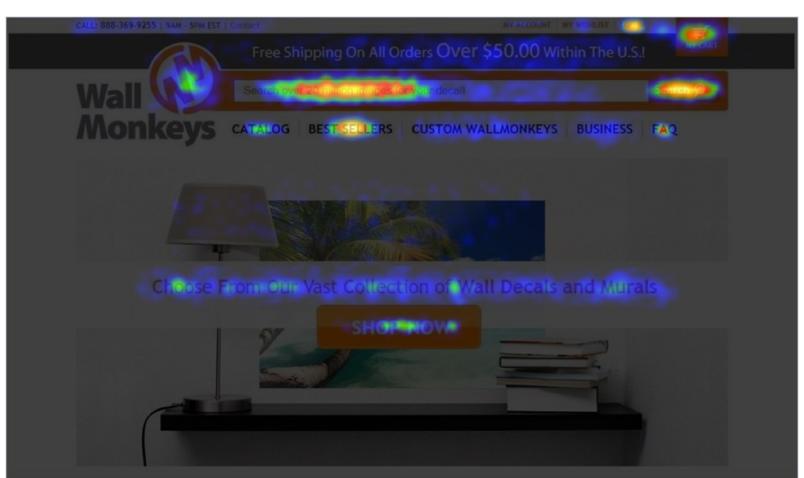
AB Testing in Action



its original homepage, featuring a stock-style ima with a headline overlay.



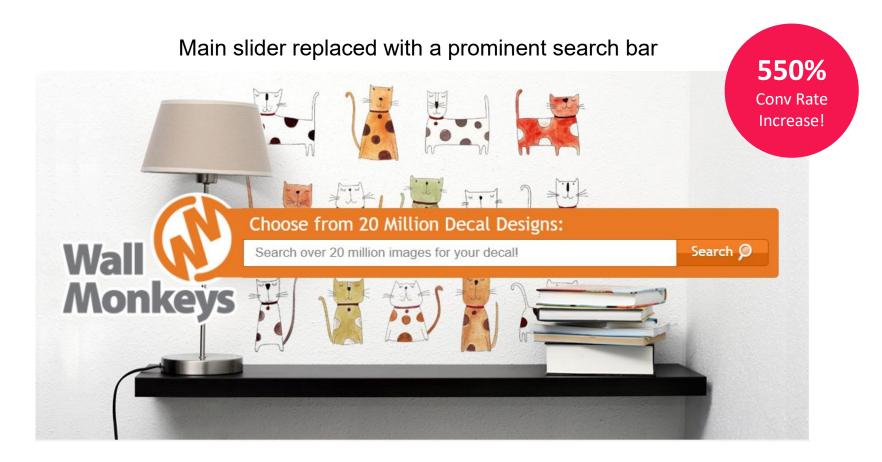
Example Data Gathering



As you can see, there was lots of activity on the headline, CTA, logo, and search and navigation bar.



Test Design





The CRO Process (In a Nutshell)











Measure

Measure & Track Web Activity Conduct Research

Technical Analysis, User Insight Surveys, Heat Mapping, GA Analysis Plan & Design

Prioritise
hypothesis
according to
potential impact
changes may
have

Test

A/B Testing & Multivariate
Feedback of Findings

Analyses

Analysis of findings and results





From Data to Customers:

- 1. Processes instead of tactics
- 2. The discovery of what matters is the basis for all
 - 3. Start with questions, then seek data
 - 4. Iterative testing ftw
 - 5. Do the heavy ass lifting

Free resources from Anicca





https://anicca.co.uk

https://academy.anicca.co.uk

Next webinar – Friday 14th August 9:00 – 10:30 am Raising Finance to Fund your Marketing or Growth - Top Tips for Non-Finance Managers

- This webinar is designed for owners, directors and managers who want to release or increase cash in their business to fund their marketing, business growth (or even survival)
- This could be to raise working capital to help you run your business, or grants and loans to invest in equipment, marketing, new IT systems etc. to grow again
- We have invited 5 local financial experts to share their top-tips on raising finance to fund your marketing or growth



