

A brightonSEO. fringe event

Same.

Interactive Data Studio reporting for Core Web Vitals performance and progress-tracking using Screaming Frog and Sheets

LAZARINA STOY

Skale @lazarinastoy



I am here because I love using Data Studio dashboards.

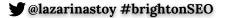
Also, because Core Web Vitals is really right now.



<mark>a bit of context</mark>

A (short) intro to Core Web Vitals.

Methods and tools for auditing.





the challenge

Pain points in the Core Web Vitals auditing process.



the approach

Introducing an Auditing Data Studio **dashboard** Going through different **use cases** for site-, section-, and page-level reporting at a glance.



the opportunities

Different ways to supercharge Core Web Vitals reporting in Data Studio.



Page Experience as a ranking factor is a thing now. So what?



John J @ @JohnMu · Jun 8, 2020
Replying to @aminedahimene



Working on improving **page experience** can take quite some time, and users appreciate any progress you make, so getting an early start is fine!



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🌙 John 🌙 🤣 @JohnMu · Mar 13

Replying to @blue2blond and @g33konaut

We announced that the **page experience** ranking factor would only apply to mobile, and that we'd use the mobile data for that. The URL doesn't really matter so much.





🌛 John 🌛 🤣 @JohnMu · Mar 30

Replying to @DanShappir

How do you mean? Technically CWV is a part of the **page experience** factors, which is what we'd use. I think people just focus on CWV because the other elements are not that new.

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John 🌛 🤣 @JohnMu · Feb 24

Replying to @schachin

...

We announced that we'd use the "**page experience**" set, which includes the current CWV. There's also some effect of speed on crawling & rendering, which isn't specifically CWV though (used for "search" overall, but not mapped directly to ranking).





John 🌛 🤣 @JohnMu · Mar 7

Replying to @blogimize @rustybrick and 2 others

It's not focused on the "100%" in Pagespeed Insights, it's based on the thresholds for "good" Core Web Vitals & the other "**page experience**" factors. There's a bit more at developers.google.com/search/blog/20.....



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🕑 @lazarinastoy #brightonSEO



John 🌛 🤣 @JohnMu · Jun 28

We already use core web vitals as a part of the **page experience** ranking factor, so that's not gonna happen :-).

Also, I expect the factors to evolve over the years, and what people fuss about now to become non-issues. If speed is always high for all sites, I won't complain.

...

<mark>≫ John ≫ ⊘</mark> @JohnMu · Jun 28 Replying to @coryklein

High speed internet connection doesn't mean that a page is fast or

provides a good user **experience**.



Technically the core web vitals have been launched quite some time ago. You probably mean the **page experience** update. (which, it surprised me, we get right! woot! technically correct ftw)



John 2 @ @JohnMu · Feb 24 Replying to @schachin

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of mobile pages from over 20K URLs pass the Core Web Vitals assessment (<u>?</u>)



in short...



STEP. IT. UP.

CALL STREET STREET

CARL MADE TO

SALK ...

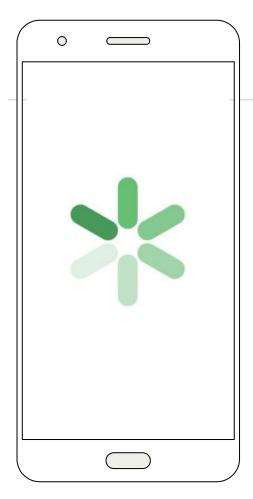
A (quick) recap of Web Vitals





Largest Contentful Paint (LCP)

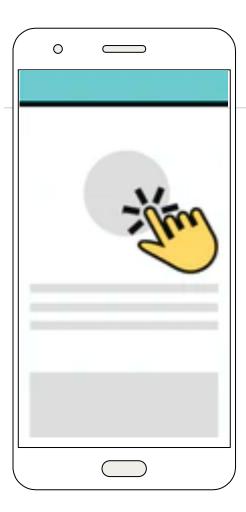
 Measures loading performance

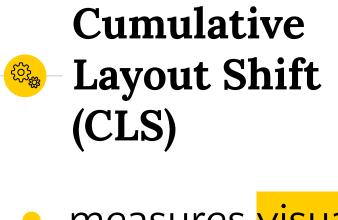




First Input Delay (FID)

measures
 interactivity





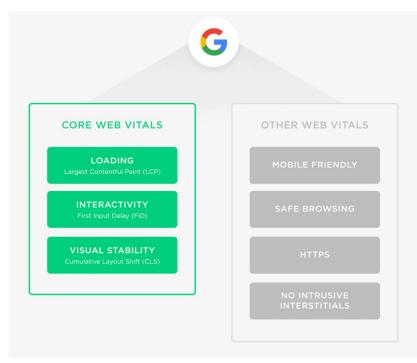




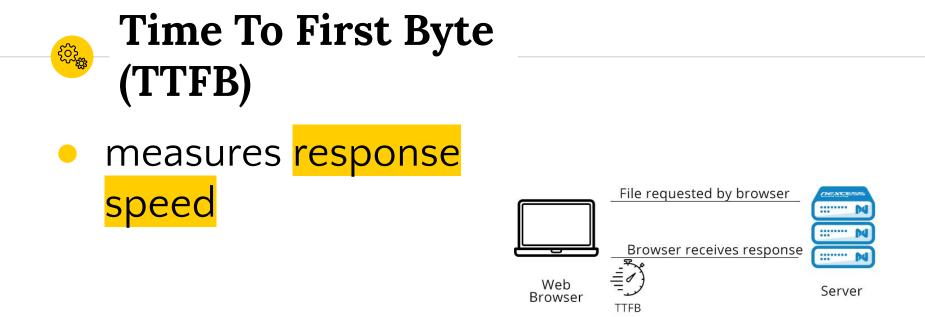


Other Web Vitals

- Mobile-friendliness
- Safe Browsing
- HTTPS
- No Intrusive interstitials



...but especially



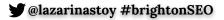
Two types of data to collect.

- Field data i.e. Real user monitoring (RUM)
- Lab data i.e. Emulated data



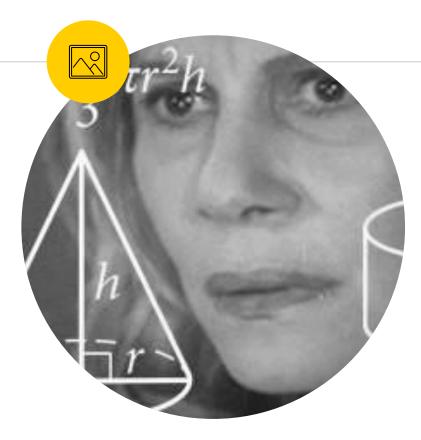


PageSpeed InsightsSearch ConsoleLighthouseTestMySiteWebPage TestChrome Dev Tools



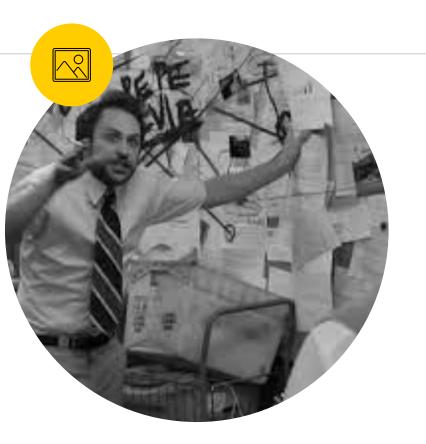


With so many tools at our fingertips, what can really be the challenge?



Most tools are not user-friendly for site-wide auditing.

Getting a <mark>complete</mark> picture for patterns can be difficult.



The result: slow improvements (1/6)

Lack of ability to communicate and prioritize clearly

```
can't fully observe an issue = difficult prioritization
```

no urgency = backlog

The result: slow ≫ improvements (2/6)

Inability to spot the root cause of the issue

A template? A widget?

The result: slow improvements (3/6)

Inability to delegate appropriately

Organisational silos? Different teams?











share just people



The result: slow improvements (4/6)

Slow auditing process

Using all tools in practice site-wide is near impossible.



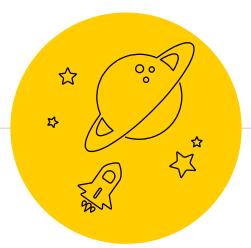
Non-actionable

Inability to export & easily create actionable sheets for devs

The result: slow improvements (last one, I promise)

Progress and impact tracking of fixes is ad-hoc

Site-wide auditing and audit comparison unavailable. Testing is ad-hoc.



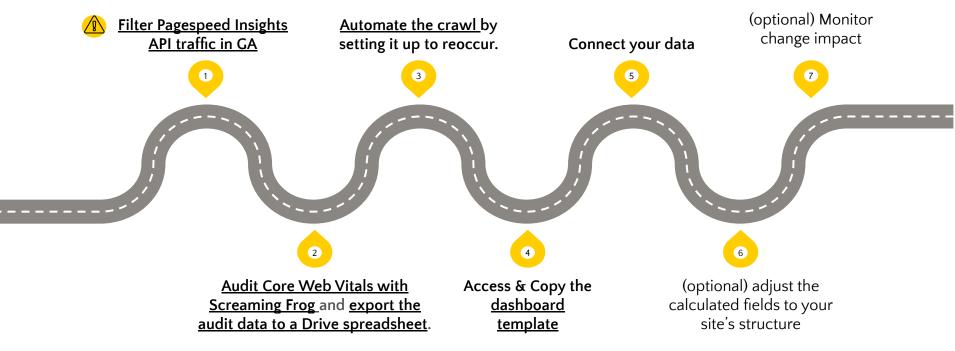
the approach

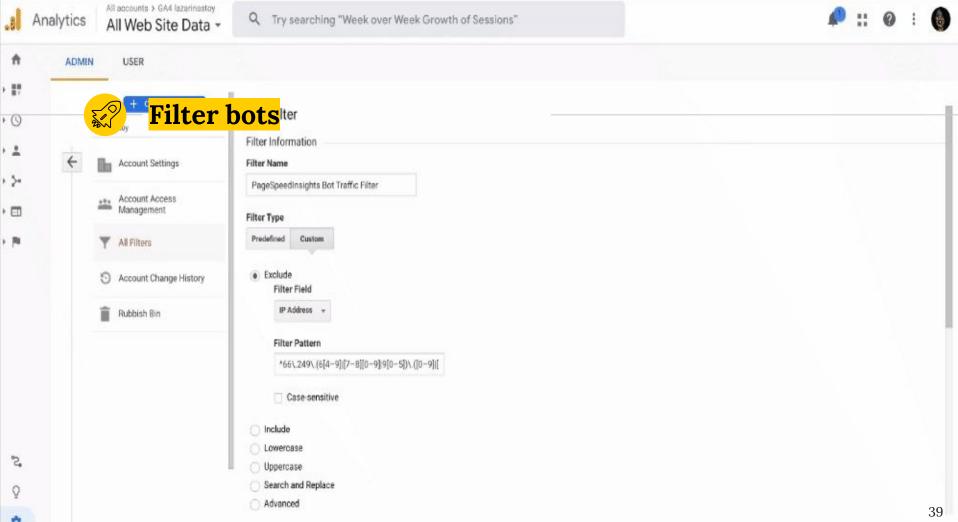
Let's make Core Web Vitals auditing and reporting interactive via a Data Studio dashboard.











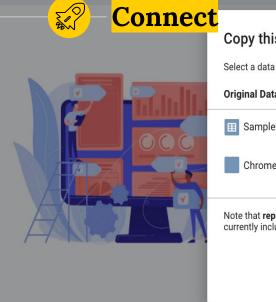
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Outitled - Screaming Frog SEO Spider 15.2 (Licensed)

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CORE WEB VITALS AUDITOR



FACT

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	Original Data Source	New Data Source	ers feel when trying to interact with unresponsive
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	Chrome UX Report	Chrome UX Report	or a user's browser to receive the first byte of page
	Note that report editors can create charts using the new currently included in the report.	Pl. Export and save your crawl as a Google Sheet	
		Cancel Copy Report	SEO auditing process.
	PERFORMANC	CE OVERVIEW	
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			41



get a feel for the site's categories

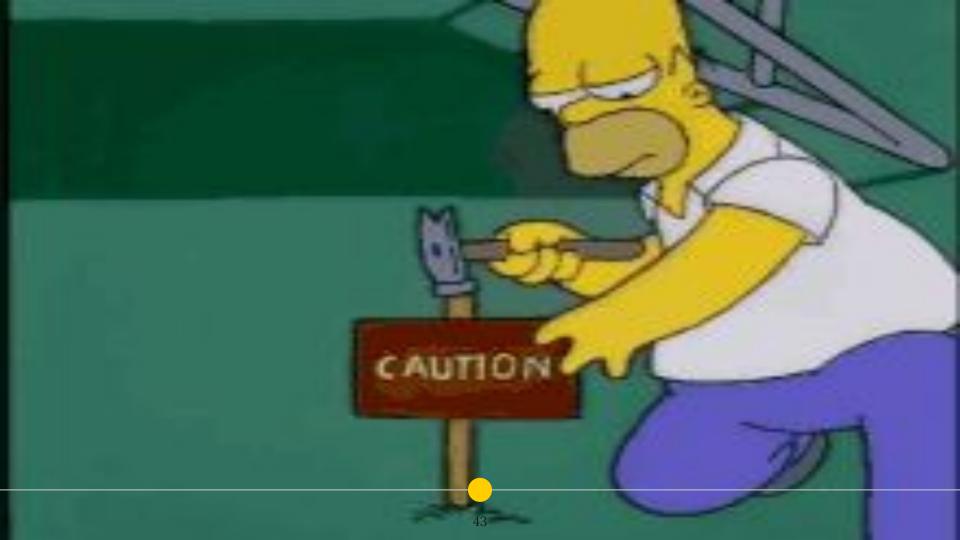
Find out about different themes on the site

check the CMS

Enable yourself to provide focused recommendations

get access to GA

help prioritise on the implementation of recommendations



CORE WEB VITALS AUDITOR



UNDERSTANDING WEB VITALS

LARGEST CONTENTFUL PAINT (LCP)

Largest Contentful Paint (LCP) measures perceived load speed because it marks the point in the page load timeline when the page content has likely loaded—a fast LCP helps reassure the user that the page is useful.

FIRST INPUT DELAY (FID)

First Input Delay (FID) measures load responsiveness because it quantifies the experience users feel when trying to interact with u pages—a low FID helps ensure that the page is usable.

CUMULATIVE LAYOUT SHIFT (CLS)

Cumulative Layout Shift (CLS)Cumulative Layout Shift (CLS) measures visual stability and helps quantify how often users experience layout shifts—a low CLS helps ensure that the page is delightful.

TIME TO FIRST BYTE (TTFB)

Time to first byte (TTFB) measures server responsiveness. It represents the time that it takes for a user's browser to receive the first content

HOW TO USE THIS DASHBOARD:

1. Audit the Core Web Vitals, using Screaming Frog 44 for access to the PageSpeed Insights API. Export and save your crawl as a Go 2. Make a copy of the dashboard

CLS

3. Plug your data and play. Click on the 💡 to learn more.

Read the full tutorial on **VOILA!**se this dashboard as part of your technical SEO auditing process.

PERFORMANCE OVERVIEW



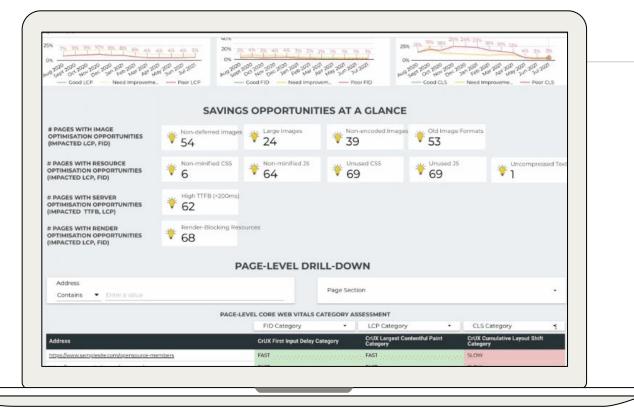


get an overview of site performance





view savings opportunities at a glance





filter pages by metric performance category

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sort + filter pages by saving opportunities & values

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filter pages based on keywords in the URL

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			PAGE-LEVEL OPPOR	TUNITIES		

The possibilities are pretty much endless.



Merge with GA data for prioritisation, based on page visits, new users, or conversion metrics

supercharge the dashboard & make it your own



9 @lazarinastoy #brightonSEO



Create groups of pages, based on website section templates

supercharge the dashboard & make it your own



Y@lazarinastoy #brightonSEO



Incorporate a performance-tracking sheet for changes and map out the impact of changes

supercharge the dashboard & make it your own





Incorporate ChromeUX data for competitors and monitor how they are evolving over time

supercharge the dashboard & make it your own



Y@lazarinastoy #brightonSEO





Before I wrap up...



Don't be scared of seeing null values in the Chrome UX report, implement best practices nonetheless



Overcome the data freshness issues via Screaming Frog



Set your crawl to reoccur



Be wary of Google Data Studio's limitations.



Ask your devs to include a date for the implementations in the progress tracking sheet.



Use dashboards interactively with your stakeholders





Anything you want to add?

Ping me at • • @lazarinastoy



Here are the resources you will need:

- Dashboard template
- <u>Step-by-step guide</u> on the complete set-up implementation and additional tips
- A link to <u>Rachel Anderson's approach to</u> <u>competitor CWV research</u>



Special thanks to all the people who create awesome resources for free:

Presentation template by <u>SlidesCarnival</u>