

Google Lighthouse

vs

Core Web Vitals

Breaking Down Google's Approach to Website Performance & User Experience



What is it?

Lab data that is collected on demand, in a test environment using a fixed network & CPU speed.

Google simulates a visit to the page with a low powered mobile device on a 3G connection.

Field data that is collected from site visits on Chrome, calculated on a page-by-page basis.

A set of three metrics that attempts to measure the overall experience a website gives to visitors.



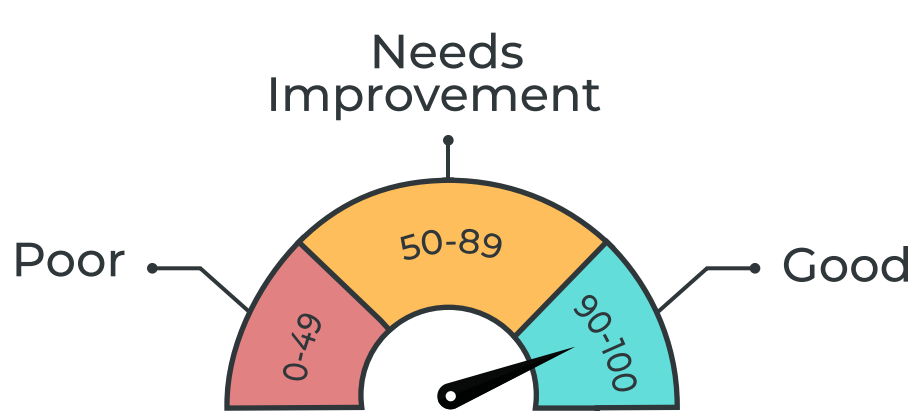
how are performance scores determined?

Google generates a lab report of page performance, based on a weighted average of several metric scores.

Google sends CWV data back to the Google Chrome User Experience Report (cRUX). This data is anonymized & aggregated to calculate a score in CWV.



What is considered a good score?

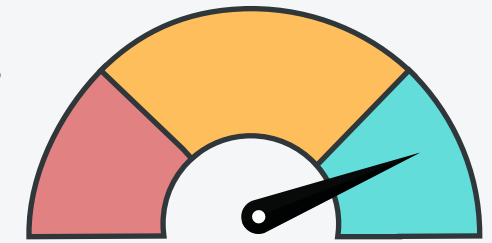


Lighthouse converts each raw metric value into a score from 0 to 100 by looking where the metric value falls on its scoring distribution.

75%

of visitors must get a 'Good' or better score, in order to pass a specific metric.

To pass all web vitals, you must get a Good score across all three metrics LCP, CLS, FID



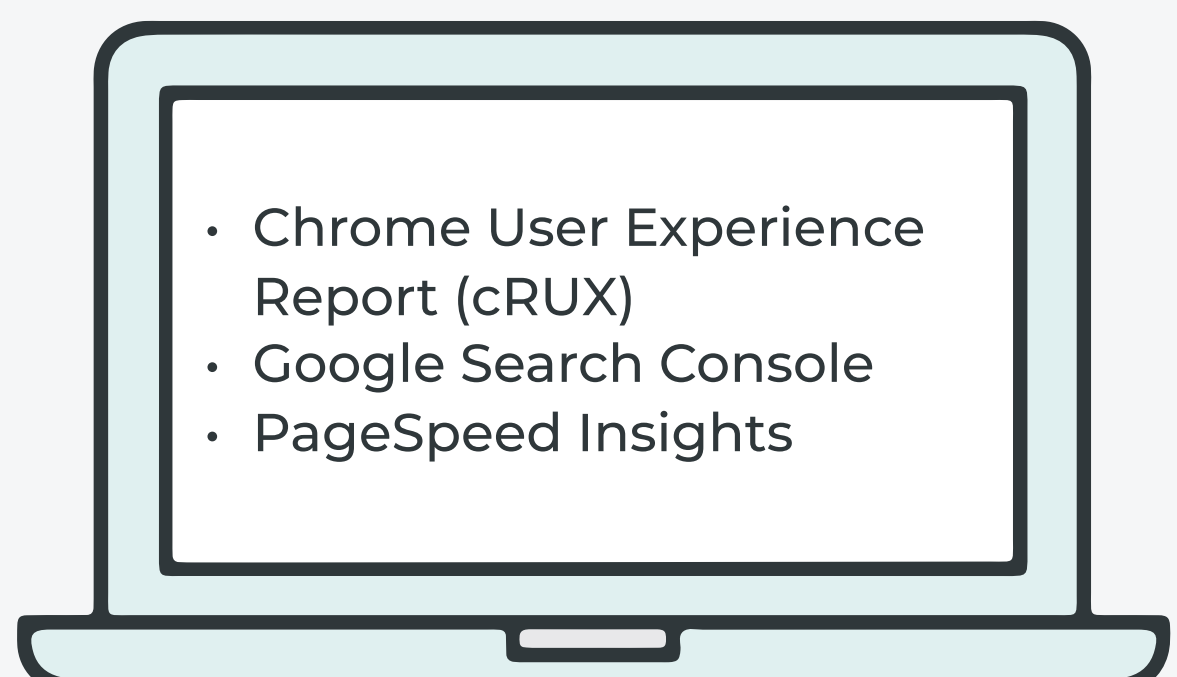
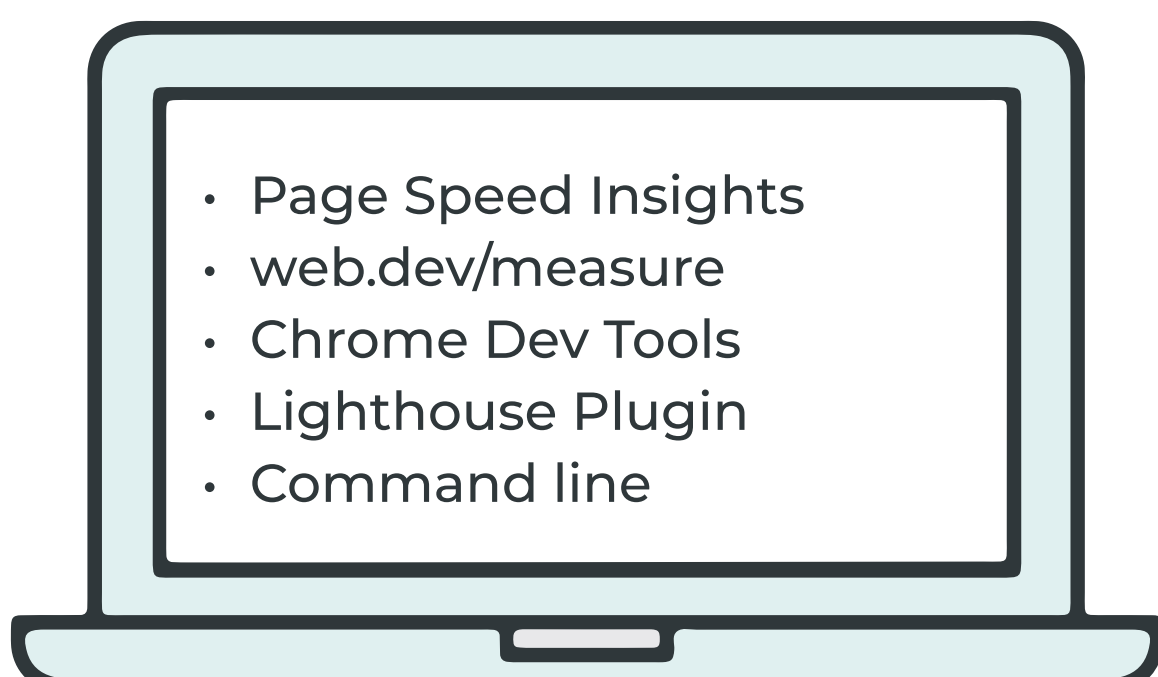
What are the metrics used & their optimal thresholds?

- | | | |
|---------------|-----------------------|---------------|
| LCP < 2.5 sec | Speed Index < 3.4 sec | LCP < 2.5 sec |
| CLS < 0.10 | TTI < 3.8 sec | CLS < 0.10 |
| TBT* < 200 ms | FCP < 1.8 sec | FID < 100 ms |

TBT = a lab proxy for FID



Where can you access the data to identify pain points?



Leverage Google's free, performance-based tools to optimize web pages that need your attention and improve your performance scores.

Or just leave it up to us. Sites built with Duda lead the industry in Core Web Vitals & Lighthouse.

Duda. We do it, so you don't have to.