








Performance

Metrics 

 First Contentful Paint	1.9 s	 Time to Interactive	2.4 s
 Speed Index	5.1 s	 Total Blocking Time	170 ms
 Largest Contentful Paint	1.9 s	 Cumulative Layout Shift	0.427

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator](#).



Opportunities — These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

Opportunity	Estimated Savings
▲ Reduce initial server response time	<div></div> 1.17 s ▼
■ Remove unused JavaScript	<div></div> 0.6 s ▼

Diagnostics — More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

- ▲ Does not use passive listeners to improve scrolling performance ▼
- ▲ Serve static assets with an efficient cache policy — 3 resources found ▼
- Avoid chaining critical requests — 3 chains found ▼
- Keep request counts low and transfer sizes small — 6 requests • 151 KiB ▼
- Largest Contentful Paint element — 1 element found ▼
- Avoid large layout shifts — 1 element found ▼
- Avoid long main-thread tasks — 2 long tasks found ▼

Passed audits (27) ▼



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of

accessibility issues can be automatically detected so manual testing is also encouraged.

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#). ▼

Passed audits (12) ▼

Not applicable (32) ▼



Best Practices

Passed audits (17) ▼

Not applicable (1) ▼



SEO

These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. [Learn more.](#)

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices. ▼

Passed audits (12) ▼

Not applicable (2) ▼



Progressive Web App

These checks validate the aspects of a Progressive Web App. [Learn more.](#)



Installable

- Web app manifest and service worker meet the installability requirements

★ PWA Optimized

- ▲ Does not register a service worker that controls page and [start_url](#)
- Redirects HTTP traffic to HTTPS
- Is not configured for a custom splash screen
 - ▲ Failures: Manifest does not have a PNG icon of at least 512px.
- Sets a theme color for the address bar.
- Content is sized correctly for the viewport
- Has a `<meta name="viewport">` tag with [width](#) or [initial-scale](#)
- Provides a valid [apple-touch-icon](#)
- ▲ Manifest doesn't have a maskable icon

Additional items to manually check (3) — These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

Runtime Settings

URL	https://population-transition-chart.vercel.app/
Fetch Time	Mar 18, 2021, 9:28 AM GMT+9
Device	Emulated Moto G4
Network throttling	Unknown
CPU throttling	Unknown

Channel	lr
User agent (host)	Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) HeadlessChrome/88.0.4324.202 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	773

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