

Why we picked D3JS as a framework to use.

In order to produce visualizations of pull request data for programmers and managers, it is important to use a sophisticated, low overhead framework capable of displaying data in a variety of ways. In our opinion, d3.js (<https://d3js.org/>) provides all the functionality we need.

D3 provides a fast api for creating data-driven documents by using features of HTML, CSS and SVG in order to provide rich functionality with minimal overhead. D3 provides an interface to the W3C Selectors API, simplifying the process of selection by condensing extensive code into single API calls. Furthermore, D3 uses standard HTML elements, which allows for easy debugging using element inspector tools that come with most modern browsers.

The capabilities of the D3 framework are endless. Some examples proving this fact can be viewed over on the homepage of D3 (mentioned above).

Sources:

<https://en.wikipedia.org/wiki/D3.js>

<https://d3js.org/>