|  |  |  |  |
| --- | --- | --- | --- |
|  | Angular | React | Vue |
| Rendimiento |  | Usa virtualDom |  |
| Tipo de Tecnología | Framework | Librería | Librería |
| Arquitectura | Bien definida con poca apertura a otras tecnologías | Mas adaptable a diferentes tecnologías | Mas adaptable a diferentes tecnologías |
| Caracteristicas | * TypeScript, * Sistema de módulos * Inyección de dependencias * Streams basados en Rxjs * Componentes | * Componentes Reutilizables | Componentes |
| Curva de Aprendizaje | Mediana | Mediana (funcional) | Facil (procedural) |
| Manejo de Datos | enlace de datos incluido | Redux para proporcionar flujo de datos unidireccional y trabajar con datos inmutables |  |
| StackFlow questions tagueadas | 103,979 | 79,168 | 15,462 |
| Seo Frienly | No | Si | Si |
|  |  |  |  |
| DOM | Regular DOM | Virtual Dom |  |
| Paradigma | Cubre todo del MVVM, (MVC or MVW) | V de MVC / Libertad de M y C | MV\* de MVC / Libertad C |
| Data-Binding | 2 vias | Unidireccional | 2 vias |
| Velocidad y rendimiento |  |  |  |
| Documentacion | Consistente, definida basada en typescript y completa | Ejemplos basados en ecma 5 y ecma 6, lo cual hace mas difícil hacer consultas. |  |
|  |  |  |  |

Paquetes y capacidades:

|  |  |  |
| --- | --- | --- |
| Capacidades | Angular package | React library |
| Data binding, dependency injection (DI) | @angular/core | [MobX](https://mobx.js.org/) |
| Computed properties | [rxjs](http://reactivex.io/) | [MobX](https://mobx.js.org/) |
| Component-based routing | @angular/router | [React Router v4](https://reacttraining.com/react-router/) |
| Material design components | @angular/material | [React Toolbox](http://react-toolbox.com/#/) |
| CSS scoped to components | @angular/core | [CSS modules](https://github.com/css-modules/css-modules) |
| Form validations | @angular/forms | [FormState](https://formstate.github.io/) |
| Project generator | @angular/cli | [React Scripts TS](https://github.com/wmonk/create-react-app-typescript) |

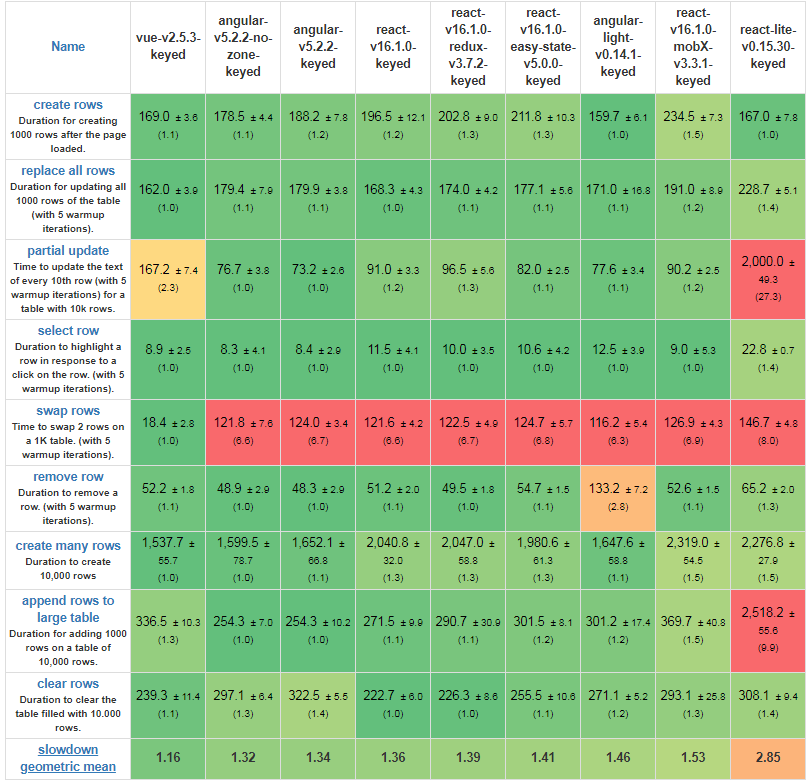
Github Estadisticas:

|  |  |  |  |
| --- | --- | --- | --- |
| Estadisticas | Angular | React | Vue.js |
| Commits | **9969** | **9742** | **2579** |
| Branches | 30 | 24 | 22 |
| Releases | 213 | 86 | 227 |
| Contribuidores | 608 | 1172 | 187 |
| Licencia | MIT | MIT | MIT |
| Observadores | 2963 | 5648 | 4721 |
| Estrellas | 34507 | 92001 | 88754 |
| Forks | 8469 | 17367 | 13015 |
| Pull Request | 332 | 78 | 31 |

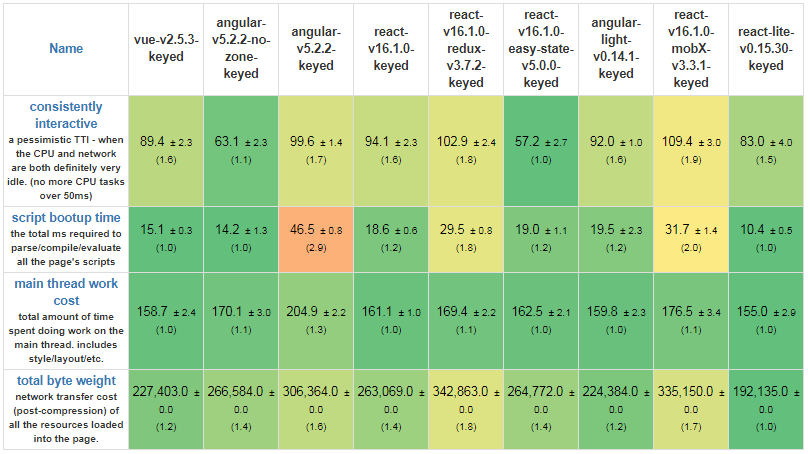
**Rendimiento**

<https://rawgit.com/krausest/js-framework-benchmark/master/webdriver-ts-results/table.html>

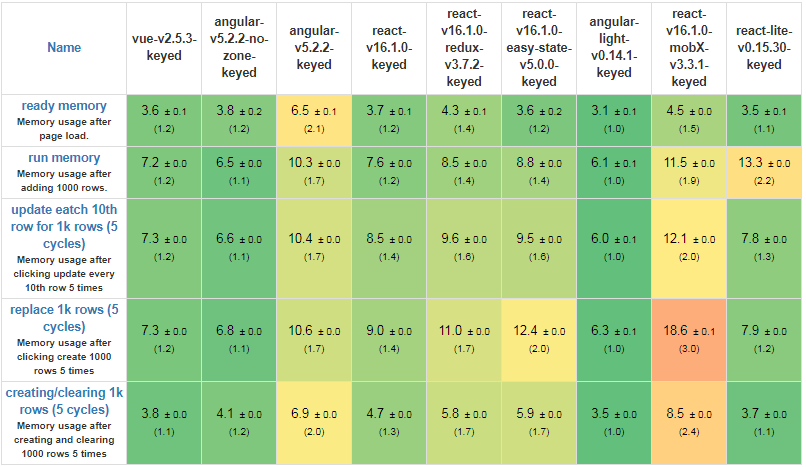
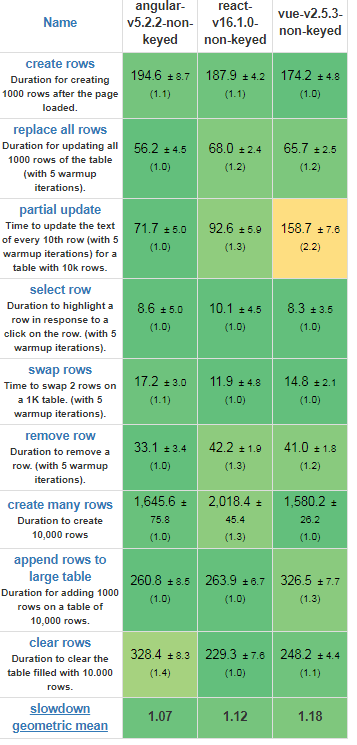
**Duration in milliseconds ± standard deviation (Slowdown = Duration / Fastest)**

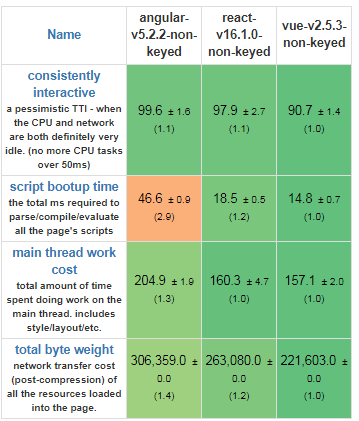


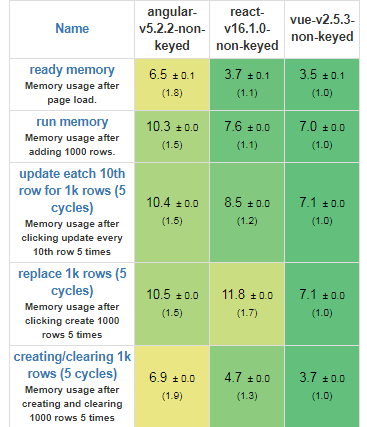
Startup metrics



Memory allocation in MBs ± standard deviation





Sobre keyed y non Keyed:

<http://www.stefankrause.net/wp/?p=342>

URLs a leer

<https://clockwise.software/blog/angular-vs-react-vs-vue/>

<http://www.stefankrause.net/wp/?p=342>

<https://rawgit.com/krausest/js-framework-benchmark/master/webdriver-ts-results/table.html>

<https://openwebinars.net/blog/vue-vs-angular/>

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<https://developer.github.com/v3/repos/statistics/>

<https://www.valuecoders.com/blog/technology-and-apps/vue-js-comparison-angular-react/#>}

<https://www.toptal.com/front-end/angular-vs-react-for-web-development>

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<https://jaxenter.com/angular-5-vs-react-interview-138469.html>

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<https://medium.com/unicorn-supplies/angular-vs-react-vs-vue-a-2017-comparison-c5c52d620176>

<https://kruschecompany.com/blog/post/angular5-vc-reactjs>

<https://itnext.io/angular-5-vs-react-vs-vue-6b976a3f9172>