

Empowering OpenEBench with OEB Widgets Graphs

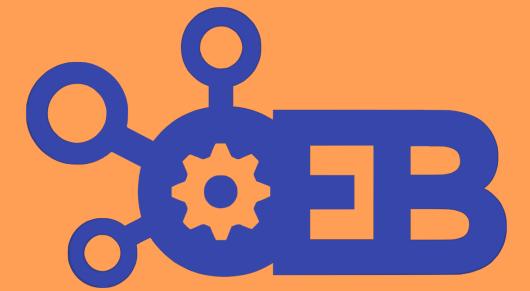
Web components for interactive Data Exploration

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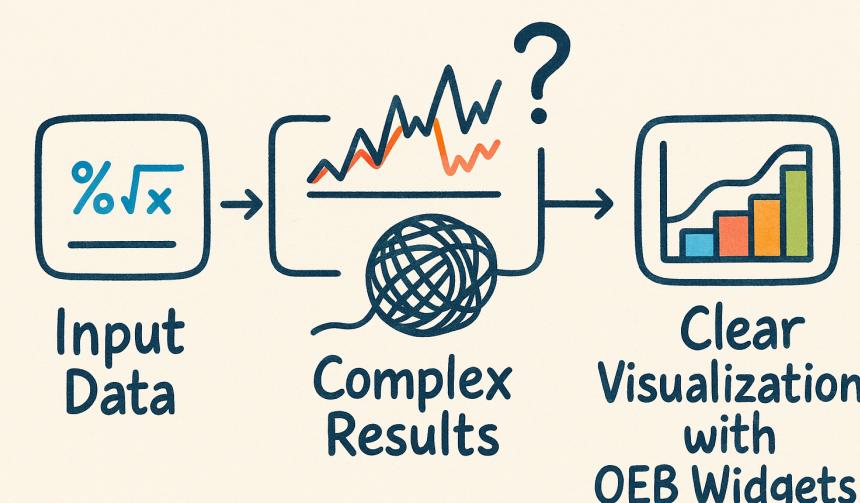
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1 Introduction / Context

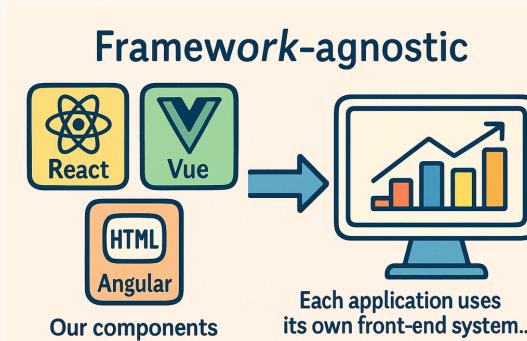
Benchmarking pipelines organize large volumes of scientific results. But without effective visualization, interpretation remains a barrier.

Benchmarking in Life Sciences helps structure them clearly but visualizing them clearly is a challenge



2 The Challenge

Users need to interpret results. But complexity can block decision-making and each application uses its own frontend system

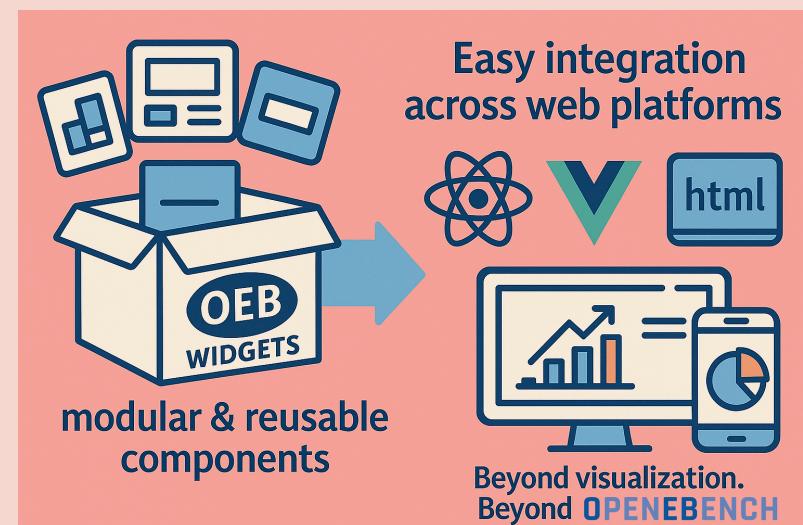


5 Conclusion / Takeaway

OEB Widgets simplify complex data. They support transparency, usability, and reproducibility across platforms.

→ **Web standards-based** (Custom Elements + Shadow DOM)

→ **Fully framework-agnostic**: React, Vue, HTML, Svelte



4 Benefits & Impact

Built with Web Components API: **Web components** developed using the **LitElement** standard – lightweight, fast, and standard-compliant.

Compatible with all web technologies. Use them seamlessly in React, Vue, Angular, Svelte, vanilla HTML – **no framework lock-in, no extra wrappers needed**.

Easy to install. Available via npm:
npm install @inab/oeb-widgets

Reproducible & FAIR-friendly: Modular design improves data reuse, transparency and reproducibility – making it easier to adopt FAIR principles in benchmarking.

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<https://openebench.bsc.es/team>



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Excellence

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Founded by
the European Union



npm install
[@inab/oeb-widgets-graphs](https://www.npmjs.com/package/@inab/oeb-widgets-graphs)

Built with
LitElement ·
Web Components

