

Blockchain.info Charts Redesign - Report

Redesign/Reimplementation of <https://blockchain.info/charts>

Goals

- Accomodate network inconsistencies during fetches
- Provide a new UI for viewing Popular Stats and Currency Statistics on Blockchain.info/charts

Obstacles

- Integrating React with charting library Chart.js
 - Solved using external library react-chartjs-2
- Handling network request failures
 - Solved using react design patterns for fetching data

Tools and Features

- Functional programming methodology used throughout components, notably `.map()`
 - Reduces bugs and improves readability
- Bootstrap styling
- Interactive tooltips on all charts

Future Improvements

- Move all relevant labels to `labels.json` and reference labels within react components
 - Would reduce repeated code
- Refactor components to accomodate multiple languages (internationalization)
 - Provide `en/translations.js`, `fr/translations.js`, etc and reference correct file depending on user location
- Refactor network failure handling to improve code reuse (move functions to utility directory)
- Incorporate Sass tool to speed up CSS workflows
- Separate CSS files from components for improved organization