Energy Emissions Dashboard

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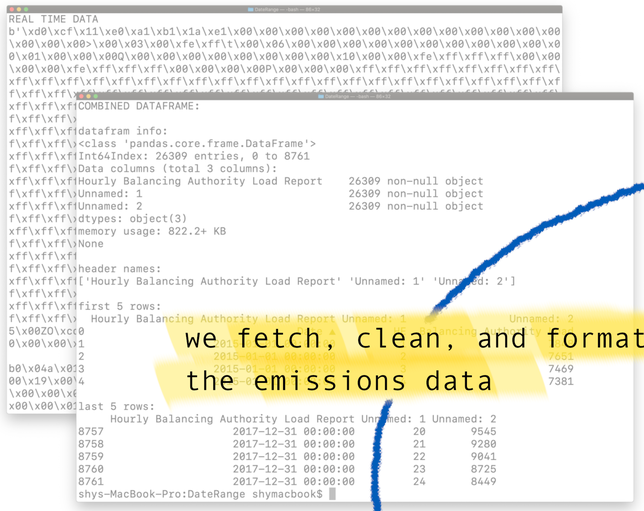
BELLEVUE COLLEGE
COMPUTER SCIENCE



python™

Flask

Server

JS

Redux

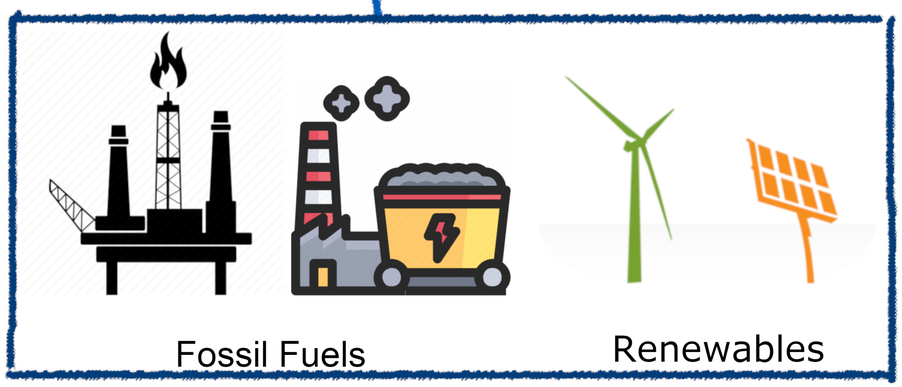
React

Client

we fetch, clean, and format the emissions data

we render the charts, providing insights

Balance Authorities publish emissions data



WattTime promotes AER "Automated Emissions Reduction", this is the practice of using electricity at times when energy is the cleanest.

Our dashboard helps people do just that, by monitoring emissions, and highlighting the times when marginal generation is supplied by carbon free or renewable energy.

For example, if you're in Texas, and get your energy from Electric Reliability Council of Texas, Inc. (ERCO), then 4pm would be a good time to power or charge any devices or equipment, at this time, marginal increases in demand are supplied by carbon free and renewable energy sources.

Providing actionable insights, to consume the right power, at the right time