

Web Interfaces

Kickoff

T7 - MSc Pool

T-POO-700

Front-end

- user interface



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- user interface
- “visible” part of an application



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- communicates with the backend thanks to the API



Front-end

- user interface
- “visible” part of an application
- communicates with the backend thanks to the API
- frameworks and libraries available



Data Visualization

graphical representation of raw data

obviously needed in your TimeManager project



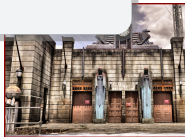
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graphical representation of raw data

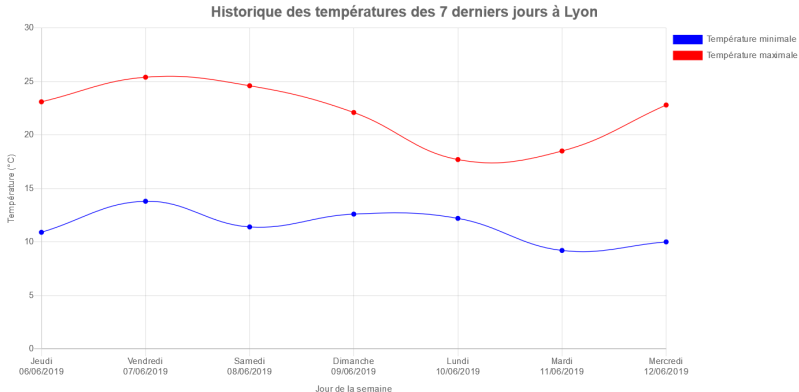
obviously needed in your TimeManager project



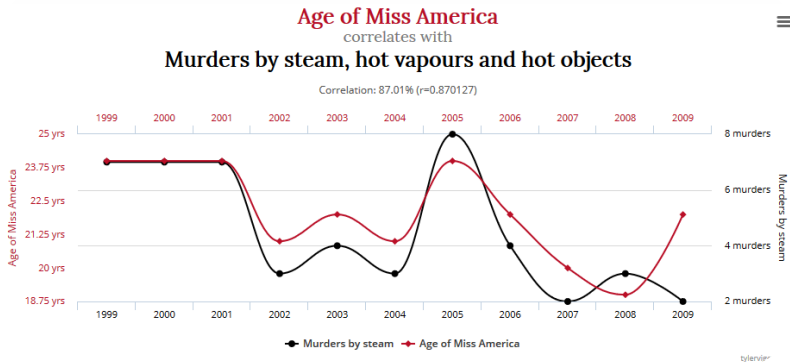
Caption and matching colors are essential when creating graphics, as well as page designing.



Nice and clear example



Unclear example



JavaScript and ECMAScript standards

- Object-oriented script programming language



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- Object-oriented script programming language
- Dynamically change the front-end to a website
- Executed by the visitor's web browser
- Back-end creation as APIs (often using a framework)
- ECMAScript: Script Programming Standards
- ES6: Huge changes to the JavaScript language (arrows function, ...)



Frameworks

Pros:



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Cons:

- Can impose a software architecture to the developer (MVC, ...)



Vue.JS

- Progressive framework, reactive programming



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- Reactive data, then construction of their graphical representation



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- Does not require creation of updated views
- Guarantees updating views when editing data



Any questions

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