Knockout.js Overview

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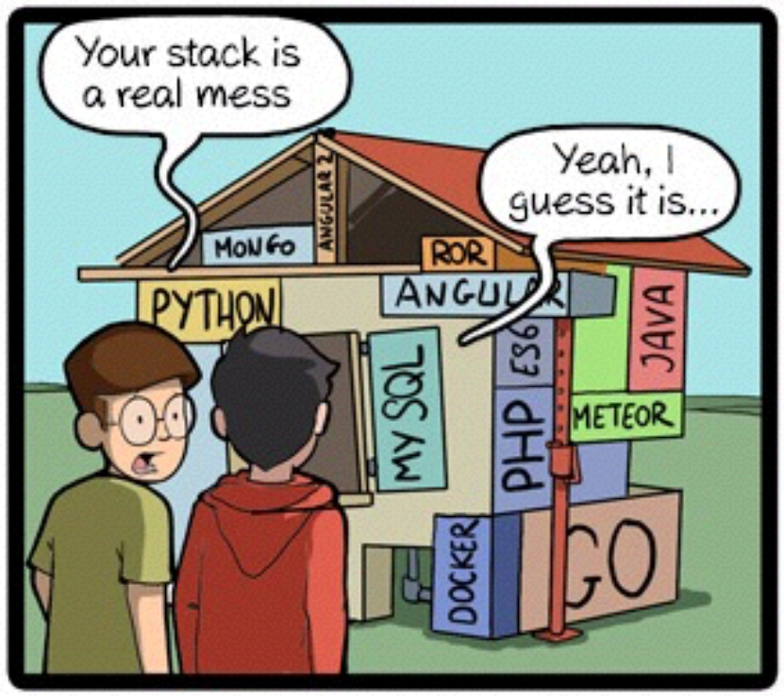

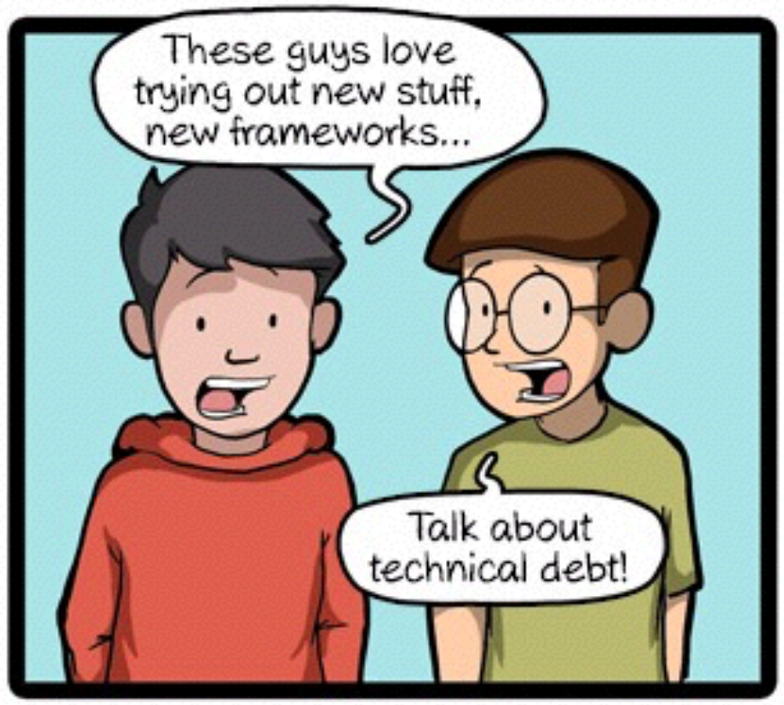

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What is Knockout.js?

"Knockout is a JavaScript library that helps you to create rich, responsive display and editor user interfaces with a clean underlying data model. Any time you have sections of UI that update dynamically (e.g., changing depending on the user's actions or when an external data source changes), KO can help you implement it more simply and maintainably."

Pros

- Declarative Bindings
  - Associate DOM elements to model data
- Automatic UI Refresh
  - UI updates automatically when data changes

Pros

- Dependency Tracking
  - Set up relationships between model data to transform and combine it
- Templating
  - Quickly generate sophisticated, nested UIs as a function of your model data

Pros

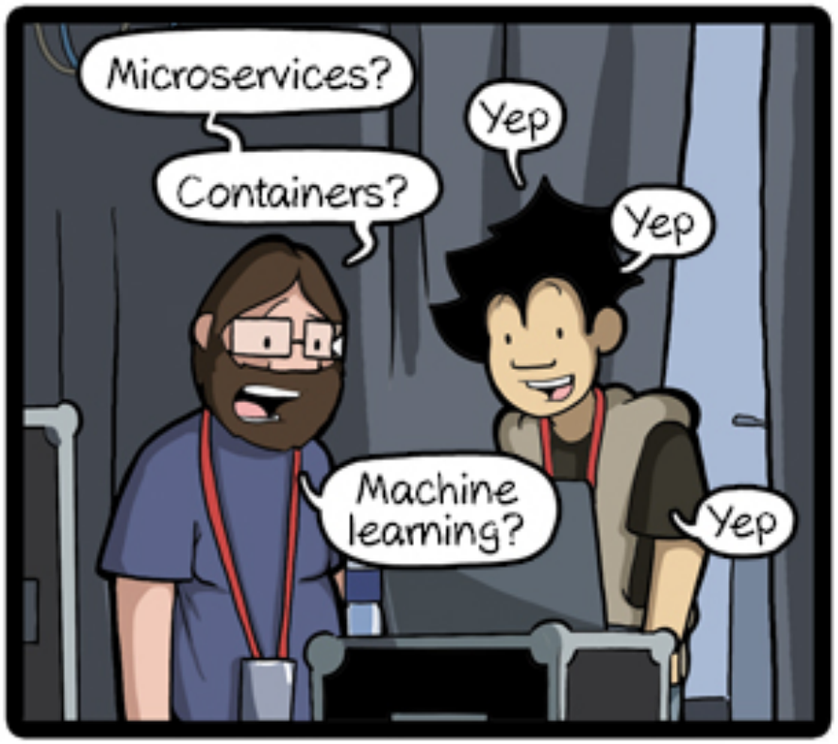
- Small and lightweight (54kb, smaller when gzipped)
- No dependencies
- Supports all browsers (even old ones)
- Works with any JavaScript Framework
- Good documentation/community

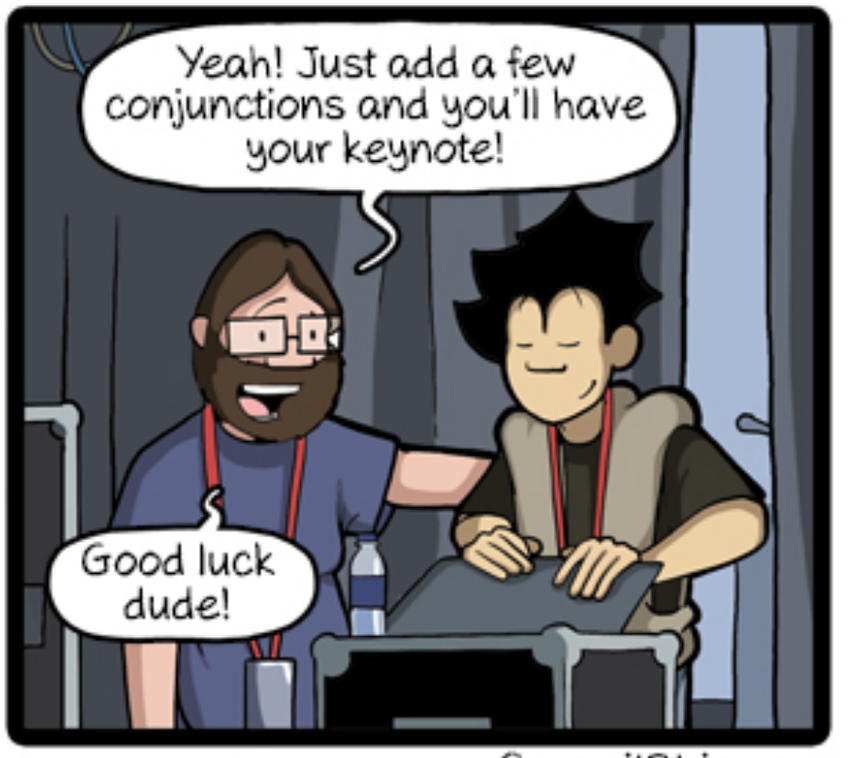
Pros

- Easy to learn
- Easy to read
- Easy to make quick changes

Cons

- Not as popular as other frameworks (dying?)
- Only for 2-way data binding, may need other libraries for other functionality





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Source code: View

```
<p>First name: <input data-bind="value: firstName" /></p>
<p>Last name: <input data-bind="value: lastName" /></p>
<h2>Hello, <span data-bind="text: fullName"> </span>!</h2>
```

Source code: View model

```
// Here's my data model
var ViewModel = function(first, last) {
    this.firstName = ko.observable(first);
    this.lastName = ko.observable(last);

    this.fullName = ko.pureComputed(function() {
        // Knockout tracks dependencies automatically. It knows that ful
        return this.firstName() + " " + this.lastName();
    }, this);
};

ko.applyBindings(new ViewModel("Planet", "Earth")); // This makes Knocko
```

Basic Example from Website

Examples

aka SHOW ME THE DAMN CODE!

- https://city.mankatomn.gov/maps/garbage/

- https://city.mankatomn.gov/maps/callsforservice/

Where do I learn more?

- http://knockoutjs.com/
- http://learn.knockoutjs.com/
- http://stackoverflow.com/questions/tagged/knockout.js

Contact Me

- https://mikewills.me
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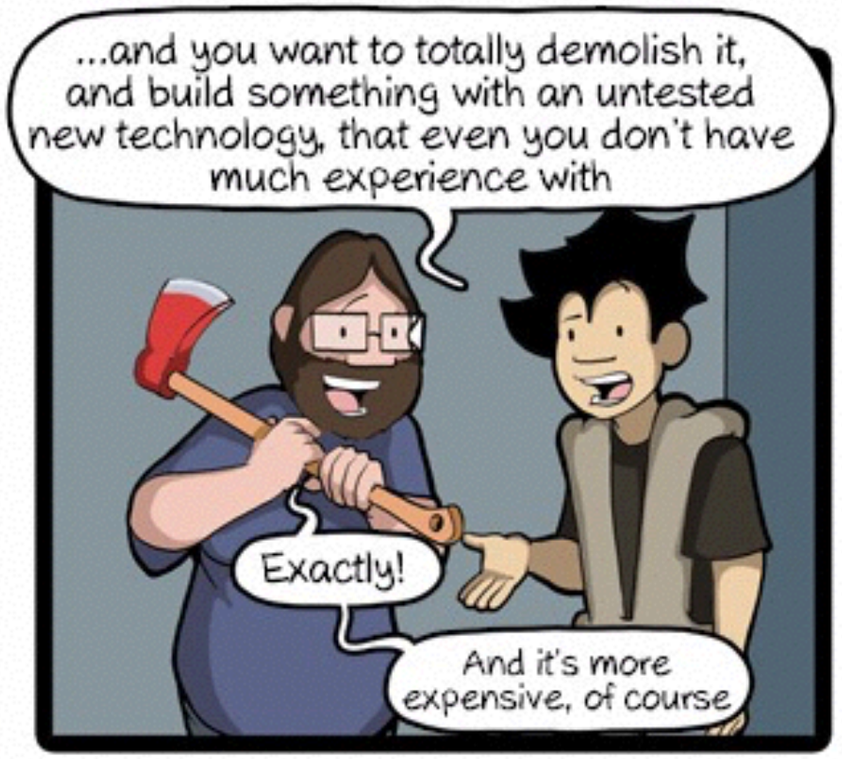
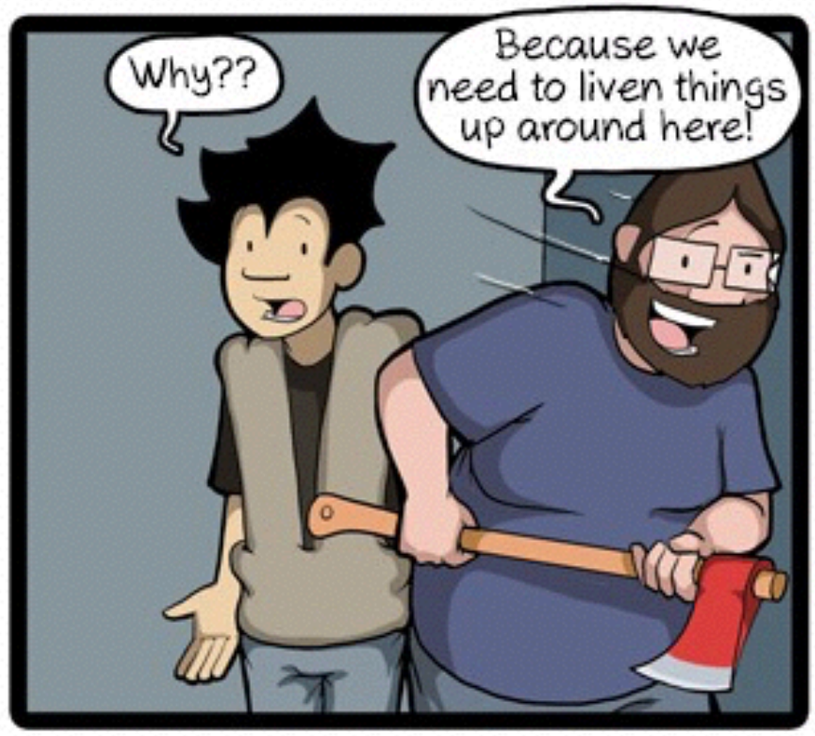
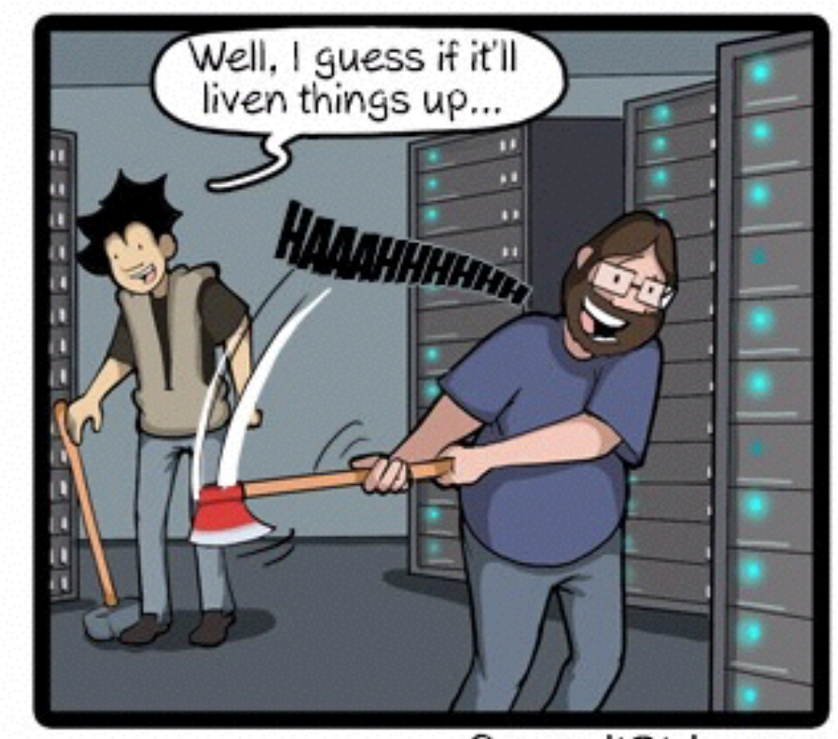
- @mikewills







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