

The Cathedral and Bizarre World of NPM

Matthew Podwysocki
@mattpodwysocki

<https://github.com/mattpodwysocki/nodeconf-oslo-2016>

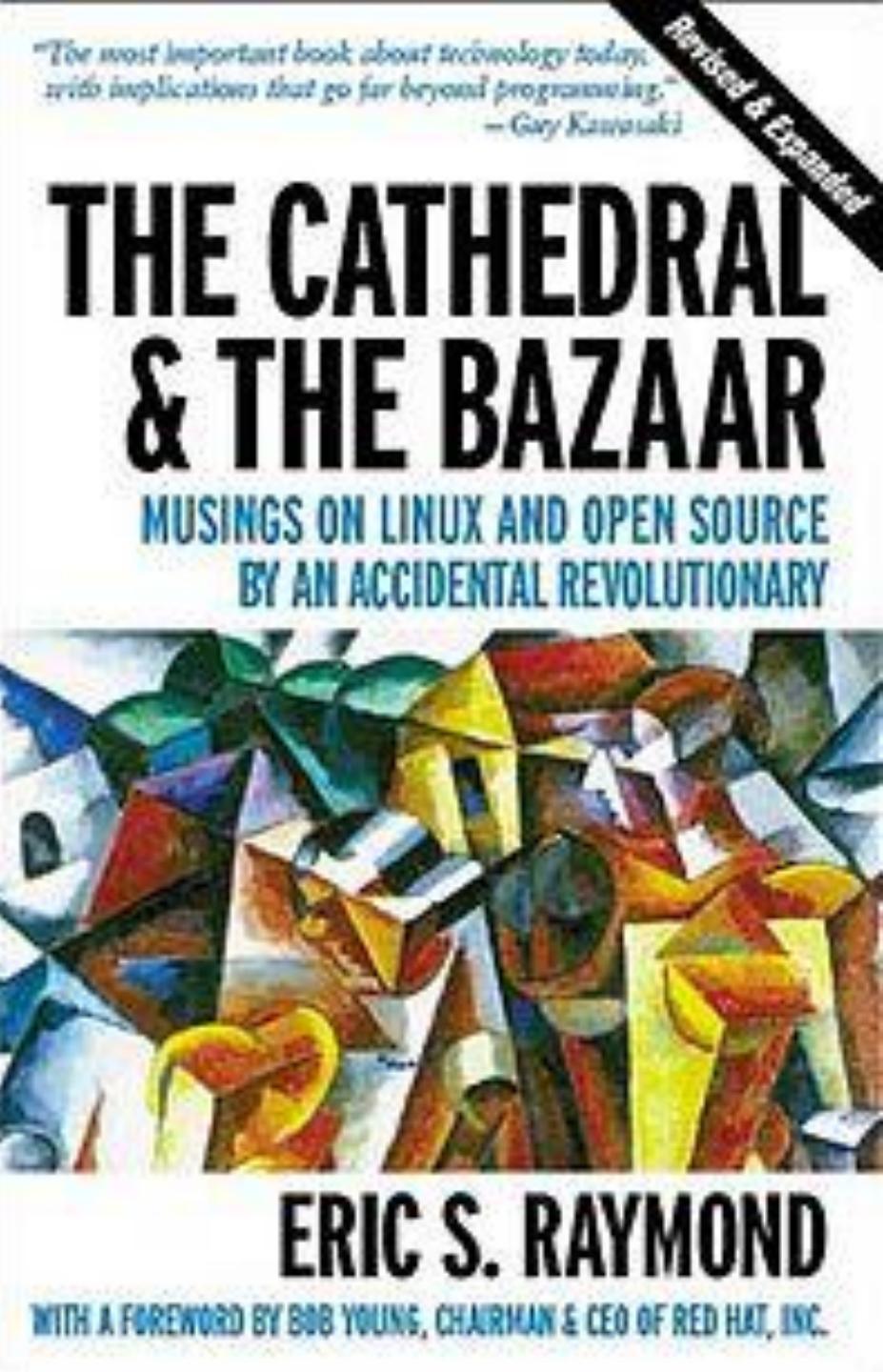
You stay Classy, Cloud City!



Open Sourcerer
@mattpodwysocki
github.com/mattpodwysocki

MICRÖSOFT

This talk is not
really about this



UNIX Philosophy

UNIX Time Sharing System

Doug McIlroy

March 17, 1978



Write programs that do
one thing and do it well.

Write programs to work
together.

Write programs to handle
text streams, because that
is a universal interface.



npm is the package manager for javascript.



294,124

total packages



175,069,950

downloads in the last day



1,003,854,560

downloads in the last week



4,526,062,314

downloads in the last month

Textmate File Edit View Text Navigation Bundles Window Help Thu 12:29 PM Q

untitled 1415

```

autoreleasepool A very simple wrapper around the OS X NSAutoreleasePool
awsome awsome framework
aws dns evil wrapper for the amazon command line tools
aws-jss Amazon Web Services API Client
aws-l10 Extensible Node.js library for the Amazon Web Services API
backbone Give your JS App some Backbone with Models, Views, Collections, and Events. -joshkena
backbone-redis Persistant backbone storage through redis pub/sub and socket.io -xorensen
backbone-stash
backplane Backplane module for node
balancer Load Balancer for node.js (supports WebSockets)
barricane-db A NodeJS-based in-process database.
base-converter Simple math tool for base conversion : decimal from/to any base -moholyr
base32 Base32 encoding and decoding
base64 A C++ module for node.js that does base64 encoding and decoding. -pkruums
bocode A BBCode Parser for NodeJS
bcrypt A bcrypt library for NodeJS.
beaconpush node.js client for the Beaconpush API (cloud hosted service for Web Sockets and other push technologies) -cgbystrom
bean on events api for javascript
beanstalk_client client library for the beanstalkd message queue server
beanstalk_worker library and example script for building workers to handle jobs held in a beanstalkd message queue server -benlund
begin A laughably simplistic router for node.js
bejesus-api A module to allow interaction with the http://bejes.us/ platform. -benluk
bejesus-cli A CLI tool to allow interaction with the http://bejes.us/ platform. -benluk
ben
bench BEM Tools
bencher A little utility for doing side-by-side benchmarks in nodejs
benchmark A benchmarking library that works on nearly all JavaScript platforms, supports high-resolution timers, and returns statistically significant results
bencode bencode de/encoder
beseda Beseda is fast and well designed Pub/Sub server with server-side and crossbrowser client-side API for realtime messaging. -shunkov
biggle-router The router as part of the biggle framework.
bigint Arbitrary-precision integer arithmetic using libgmp
bignum A pure javascript implementation of BigIntegers and RSA crypto. -eschnow
binary Unpack multibyte binary values from buffers
binarySearch An addon to node.js that provides a binary search function that runs in native C++.
bind A simple templating engine that smiles back
bisect A JavaScript port of the bisection algorithm that is used in Python -vl
bison Size optimized binary encoding for JavaScript.
bitcoind Bitcoin client API library and related utilities
bitcore-client A library for interacting with the Bitcore consensus layer and its various clients
Column: 1 Plain Text Soft Tabs: 2

```



nodeconf
Portland, OR
May 5th, 2011

CC HD

With choice comes possible
headaches...

no-op mattdesl

one no-op function to rule them all

★ 1 v1.0.3

⌚ noop, no, op, nil, no-op, operation, empty, pass, nothing, func, function

catbox-noop superpan

no-op catbox engine used for disabling caching

★ 1 v0.0.1

⌚ cache, catbox, no-op, disable

nop supershabam

library for providing a function that does nothing; it's like super useful

★ 2 v1.0.0

⌚ nop, noop, no-op, useless, wtf

So many do the same thing,
how do I choose which one
to use?

Some of this information
you can find directly on
NPM

Is the Project Alive?

 npm install lodash

how? learn more



jdalton published 2 weeks ago

4.13.1 is the latest of 84 releases

github.com/lodash/lodash

MIT ®

Collaborators



How many people are using it?

Stats

1,058,398 downloads in the last day

6,146,176 downloads in the last week

28,244,462 downloads in the last month

No open issues on GitHub

No open pull requests on GitHub

Does it have good docs?



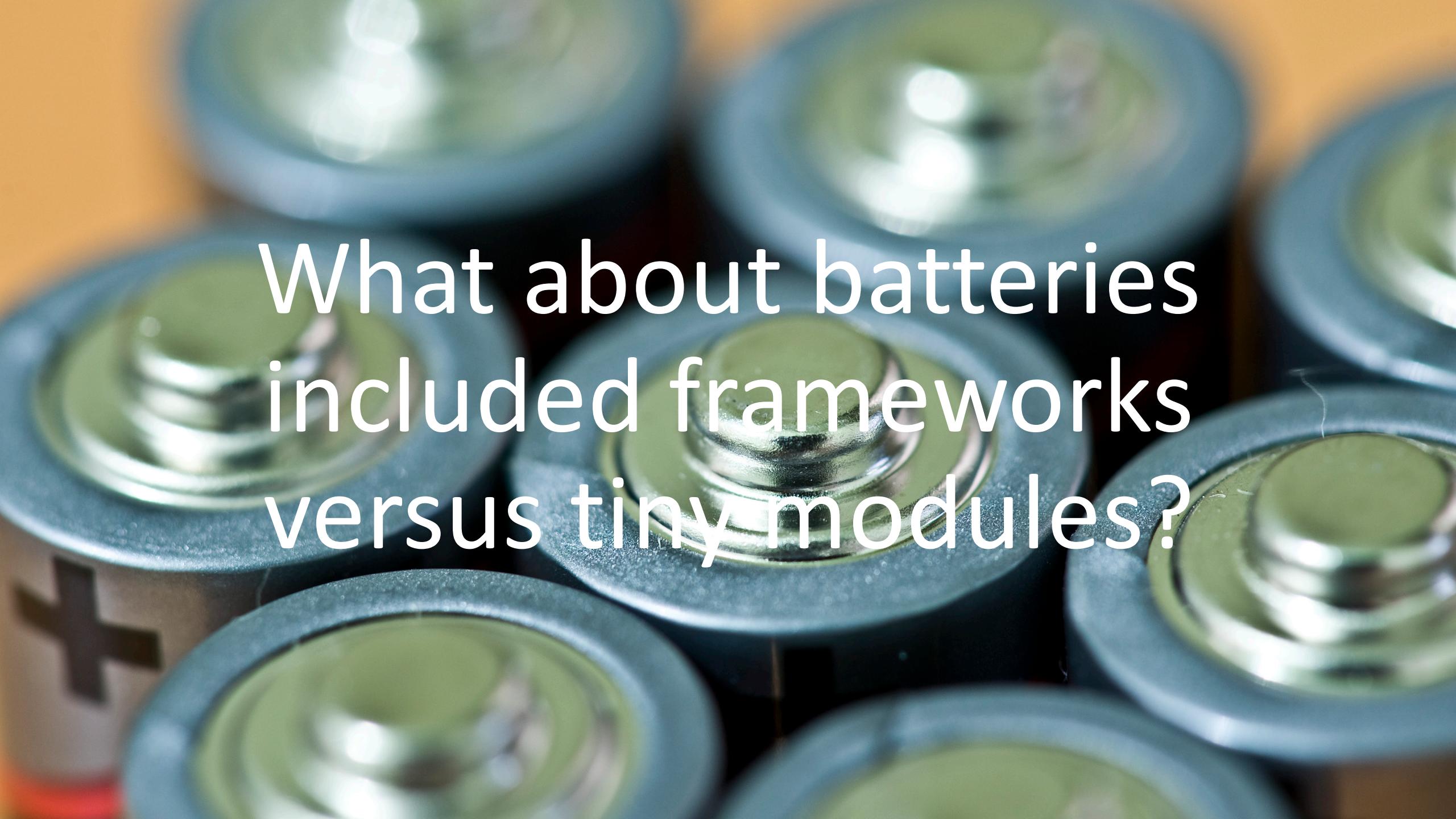
ERROR: No README data found!

Some you can't...

Is the Project Finished?



What is the reputation of
the author?



What about batteries
included frameworks
versus tiny modules?



Rich Harris [Follow](#)

Interactive journalist at @GuardianUS. Open sourceror

Jul 3, 2015 · 5 min read

Small modules: it's not quite that simple

There's a [post currently doing the rounds](#) that articulates the 'small modules' philosophy. It's written by [Sindre Sorhus](#), whose [npm profile](#) is enough to make all but the most prolific developer feel wholly inadequate, and so carries with it a degree of authority.

Like a lot of ideas that seem to be self-evident and inarguable, 'small modules' contains a lot of truth but does not, I believe, bear close scrutiny. But because it is espoused by so many leading members of the JavaScript community, scrutiny is all too rarely applied.

A photograph of a Gothic-style wooden confessional booth in a church. The booth is made of dark wood with intricate carvings on the panels. It features three arched openings along its length, each topped with a small cross. The background shows more of the church's interior, including a marble pulpit and more wooden structures.

I have a confession to
make...



My name is
Matthew
Podwysocki and I
have been module
shamed...

A photograph of a rural landscape at sunset. A dirt path leads from the foreground into the distance, bordered by a simple wire fence with wooden posts. The ground is covered in green grass and small yellow flowers. The sky is a warm, golden-orange color, suggesting the sun is low on the horizon. A single white line descends from the top center of the frame towards the path.

My Own Journey...



Reactive Extensions for JavaScript (RxJS)

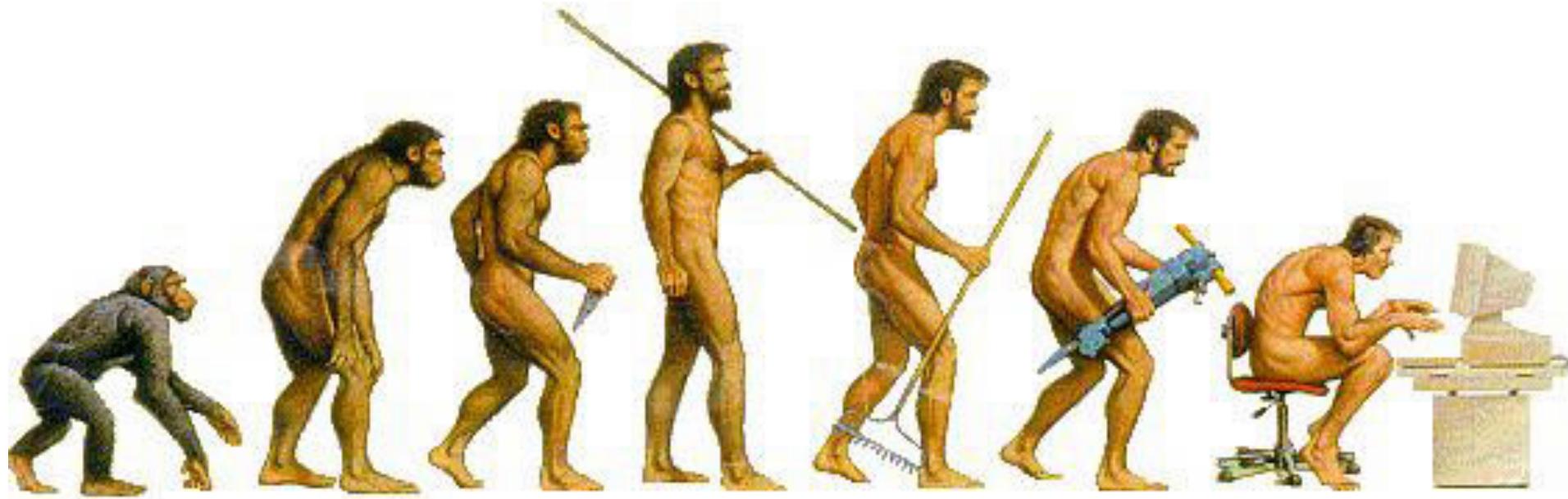
@ReactiveX
<http://reactivex.io>

Batteries Included

```
const Rx = require('rxjs/Rx');
```

```
const source = Rx.Observable.of(1,2,3)
  .map(x => x * x);
```

```
source.subscribe(
  x => console.log(`Next ${x}`)
);
```



The Evolution Towards Modularity...

Adding only what you need...

```
const Observable =  
  require('rxjs/Observable').Observable;  
  
const map = require('rxjs/operator/map');  
  
const source = map.call(Observable.of(1,2,3),  
  x => x * x);  
  
source.subscribe(  
  x => console.log(`Next ${x}`)  
);
```

Adding to the prototype...

```
const Observable =  
  require('rxjs/Observable').Observable;  
  
require('rxjs/add/operator/map');  
  
const source = Observable.of(1,2,3)  
  .map(x => x * x);  
  
source.subscribe(  
  x => console.log(`Next ${x}`)  
);
```

You'll find others have done
the same too!

```
// Load the full build.  
var _ = require('lodash');  
  
// Load the core build.  
var _ = require('lodash/core');  
  
// Load the fp build for immutable auto-curried iteratee-first data-last methods.  
var fp = require('lodash/fp');  
  
// Load a method category.  
var array = require('lodash/array');  
var object = require('lodash/fp/object');  
  
// Load a single method for smaller builds with browserify/rollup/webpack.  
var chunk = require('lodash/chunk');  
var extend = require('lodash/fp/extend');
```

★ lodash.isEqual

public

The lodash method `<code>_.isEqual</code>` exported as a module.

Installation

Using npm:

```
$ {sudo -H} npm i -g npm
$ npm i --save lodash.isEqual
```

In Node.js:

```
var isEqual = require('lodash.isEqual');
```

See the [documentation](#) or [package source](#) for more details.

A scenic landscape at sunset or sunrise. The sky is filled with dramatic, wispy clouds colored in shades of orange, red, and blue. In the foreground, there's a dirt path winding through lush green grass and wildflowers. Rolling hills covered in green grass and scattered trees are visible in the background, with a range of mountains on the horizon under the colorful sky.

When designing modules,
which path do you take?

A landscape photograph of a rocky coastline. In the foreground, there's a shallow, clear pool of water reflecting the sky. Behind it are several large, greyish-brown rock formations with distinct horizontal sedimentary layers. One prominent formation on the left has a flat top and slopes down to the water. Another formation on the right is taller and more rugged. The background shows a bright blue sky with scattered white clouds.

Individual Repositories

A photograph of a large, rugged monolithic rock formation, likely a butte or mesa, rising sharply from a dry, rocky base. The rock face is light brown with darker, weathered streaks. The sky above is a vibrant blue with wispy, white clouds.

The Monolithic Repository

Code Responsibly

Matthew Podwysocki
@mattpodwysocki

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