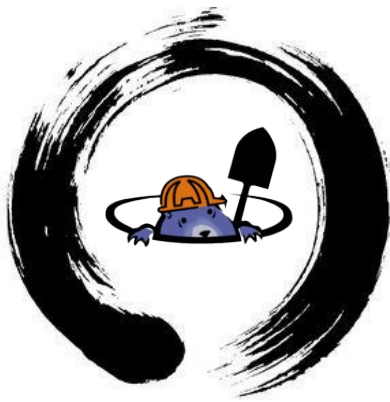




The Circle of Life in Ruby Hosting, 2003-2015

Megan Squire

@MeganSquire0



Elon University & [FLOSSmole](#) / [FLOSSdata](#) / [FLOSSpapers](#)

MSR'16
May 15, 2016



Once Upon a Time

Home	My Page	Project Tree	Code Snippets	Project Openings	Rails
Summary	News	Files			

Rails is a web-application framework for the MVC pattern that includes both a template engine, controller framework, and object-relational mapping package. Everything needed to develop web-apps that can run on CGI, FastCGI, and mod_ruby.

- Development Status: 4 - Beta
- Environment: Web Environment
- Intended Audience: Developers
- License: Ruby License
- Natural Language: English
- Operating System: OS Independent
- Programming Language: Ruby
- Topic: WWW/HTTP, Software Development

Registered: 2004-07-22 15:07

Activity Percentile: 95.93%

View project activity [statistics](#).

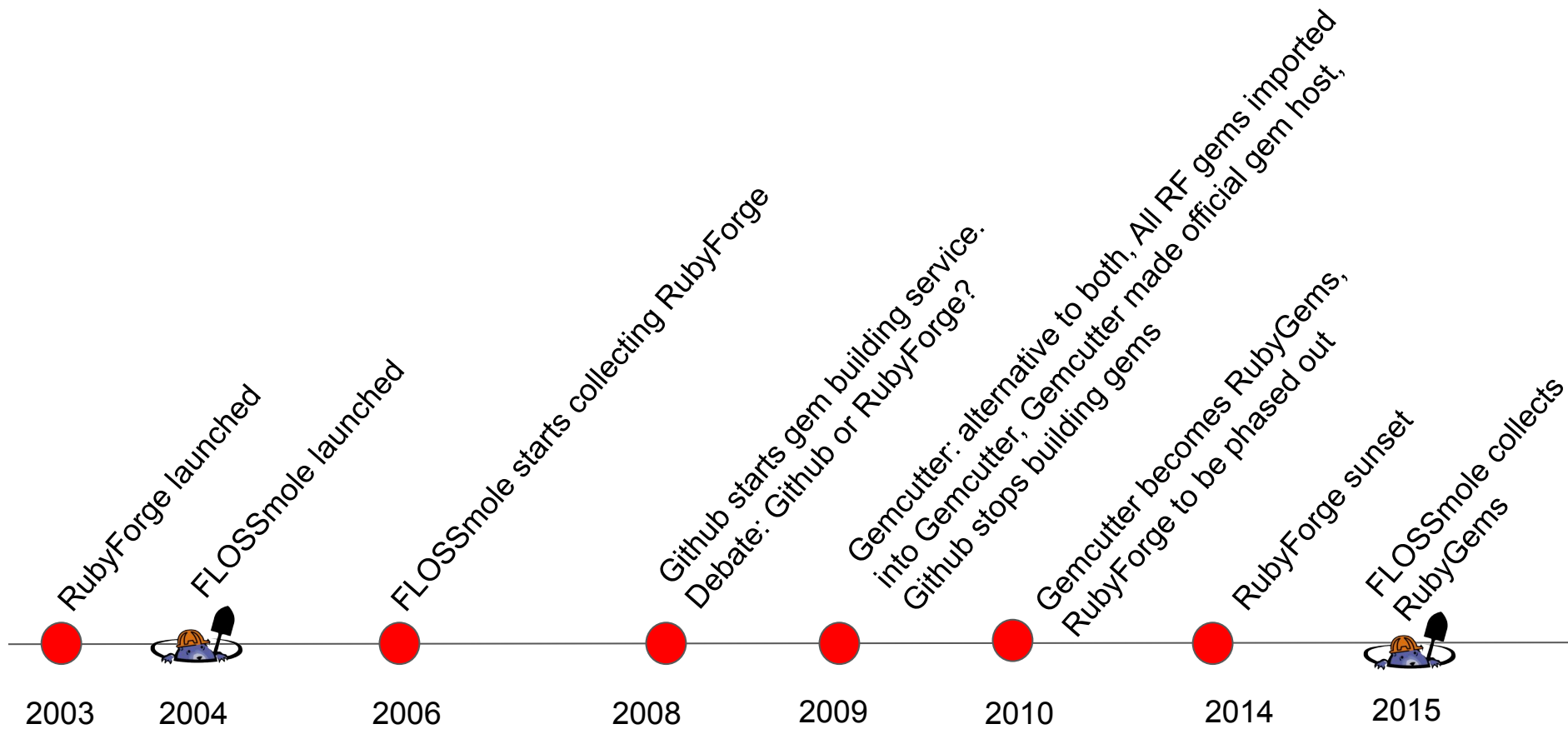
Developer Info

Project Admins:

[David Heinemeier Hansson](#)
[Jeremy Kemper](#)

Developers:

2 [[View Members](#)]



rails 4.2.5

Ruby on Rails is a full-stack web framework optimized for programmer happiness and sustainable productivity. It encourages beautiful code by favoring convention over configuration.

VERSIONS:

4.2.5 - November 12, 2015 (1.41 MB)
4.2.5.rc2 - November 5, 2015 (1.41 MB)
4.2.5.rc1 - October 30, 2015 (1.41 MB)
4.2.4 - August 24, 2015 (1.41 MB)
4.2.4.rc1 - August 14, 2015 (1.41 MB)

[Show all versions \(266 total\) →](#)

RUNTIME DEPENDENCIES:

actionmailer = 4.2.5
actionpack = 4.2.5
actionview = 4.2.5
activejob = 4.2.5
activemodel = 4.2.5
activerecord = 4.2.5
activesupport = 4.2.5
bundler < 2.0, >= 1.3.0
railties = 4.2.5
sprockets-rails >= 0

AUTHORS:

David Heinemeier Hansson

OWNERS:



TOTAL DOWNLOADS

57,315,527

FOR THIS VERSION

134,700

[Show all versions \(266 total\) →](#)

GEMFILE:

```
gem 'rails', '-> 4.2.5'
```

INSTALL:

```
gem install rails
```

LICENSE:

MIT

REQUIRED RUBY VERSION:

>= 1.9.3

LINKS:

[Homepage](#)

[Source Code](#)

[Documentation](#)

[Wiki](#)

Data collection procedure

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3. Parse HTML/XML for facts, and store those in the database;
4. Repeat steps 2 & 3 periodically until site goes defunct (for 10 years in the case of RubyForge; RubyGems still ongoing).

RubyForge data model

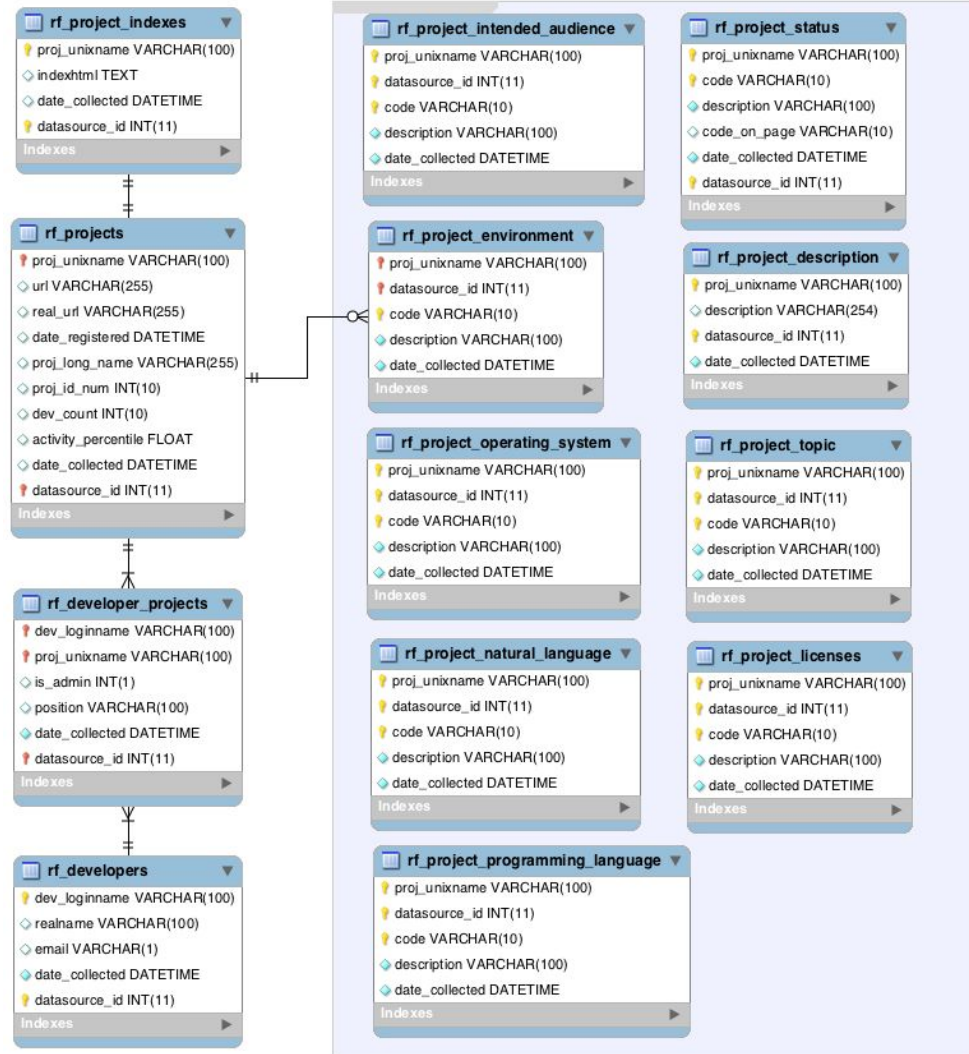
Sign up for a database account at

flossmole.org

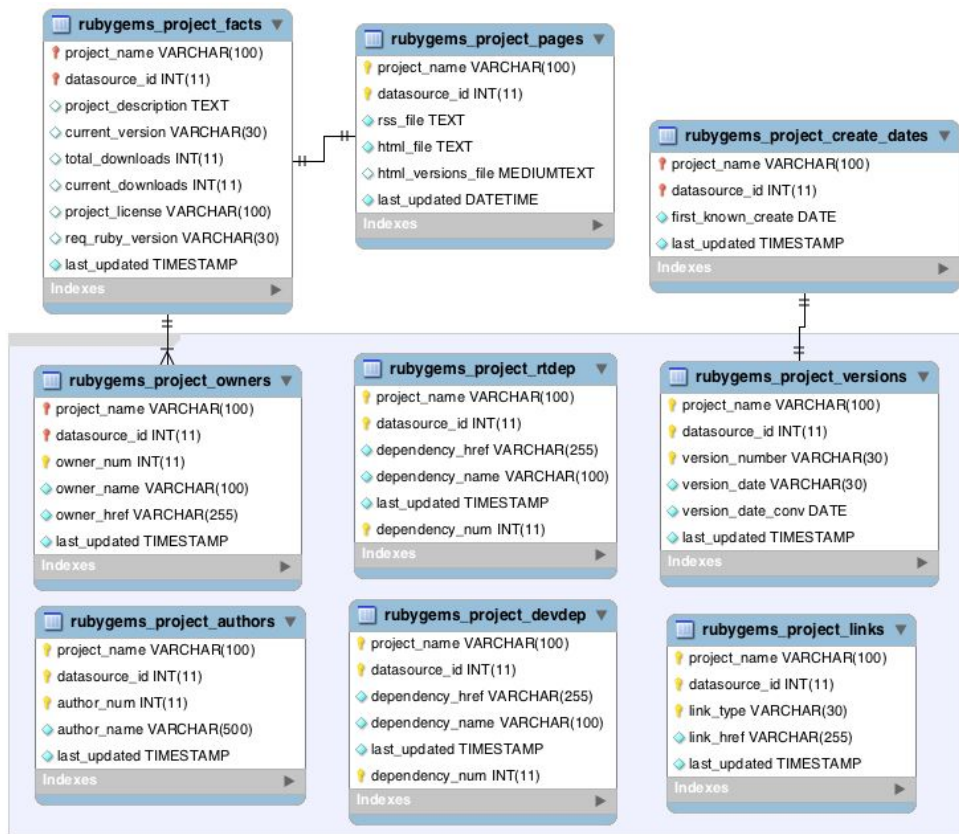
or

go grab the flat files at

<http://flossdata.syr.edu/data/rf/>



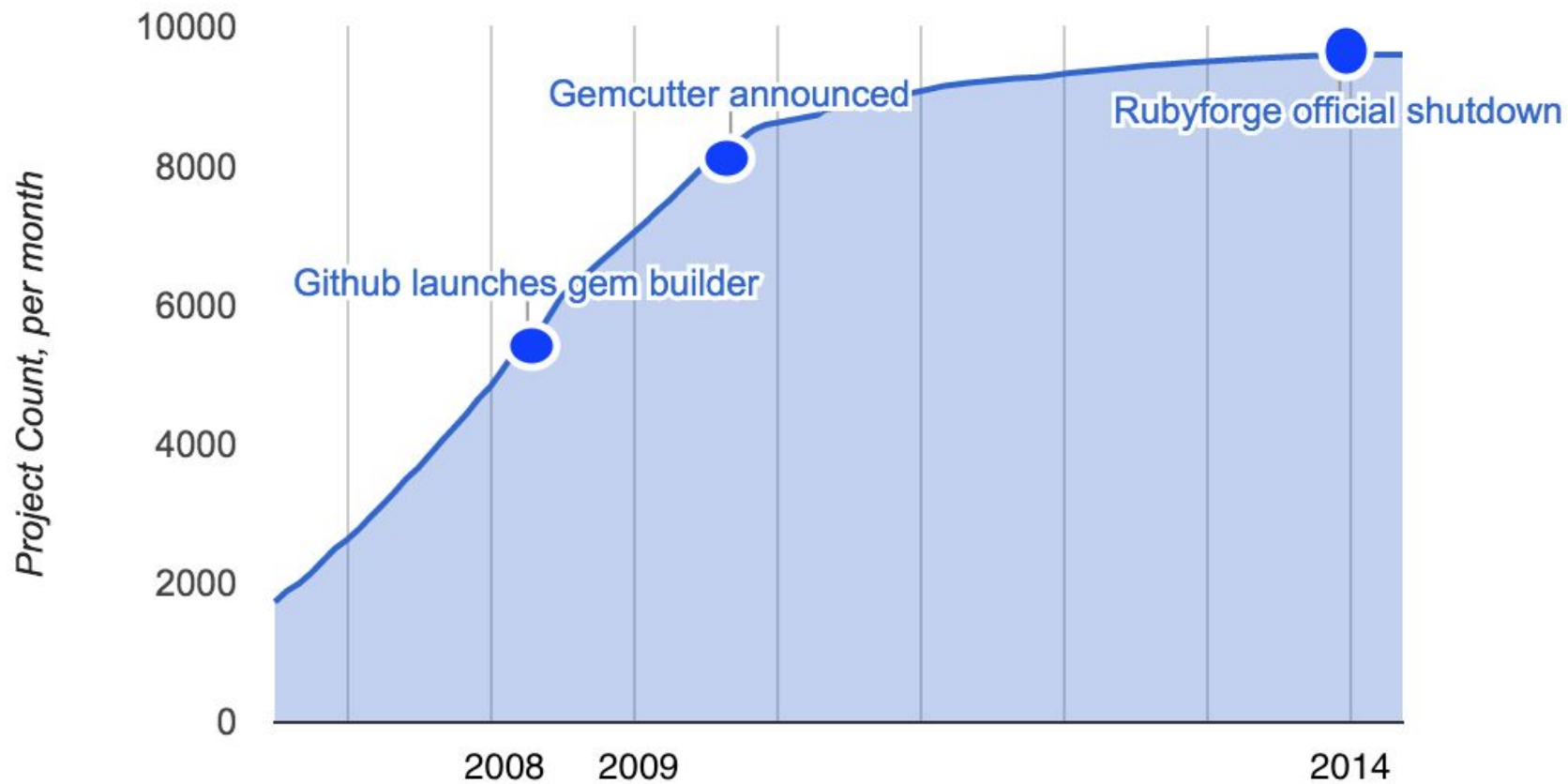
RubyGems data model



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or
go grab the flat files at
<http://flossdata.syr.edu/data/rq>

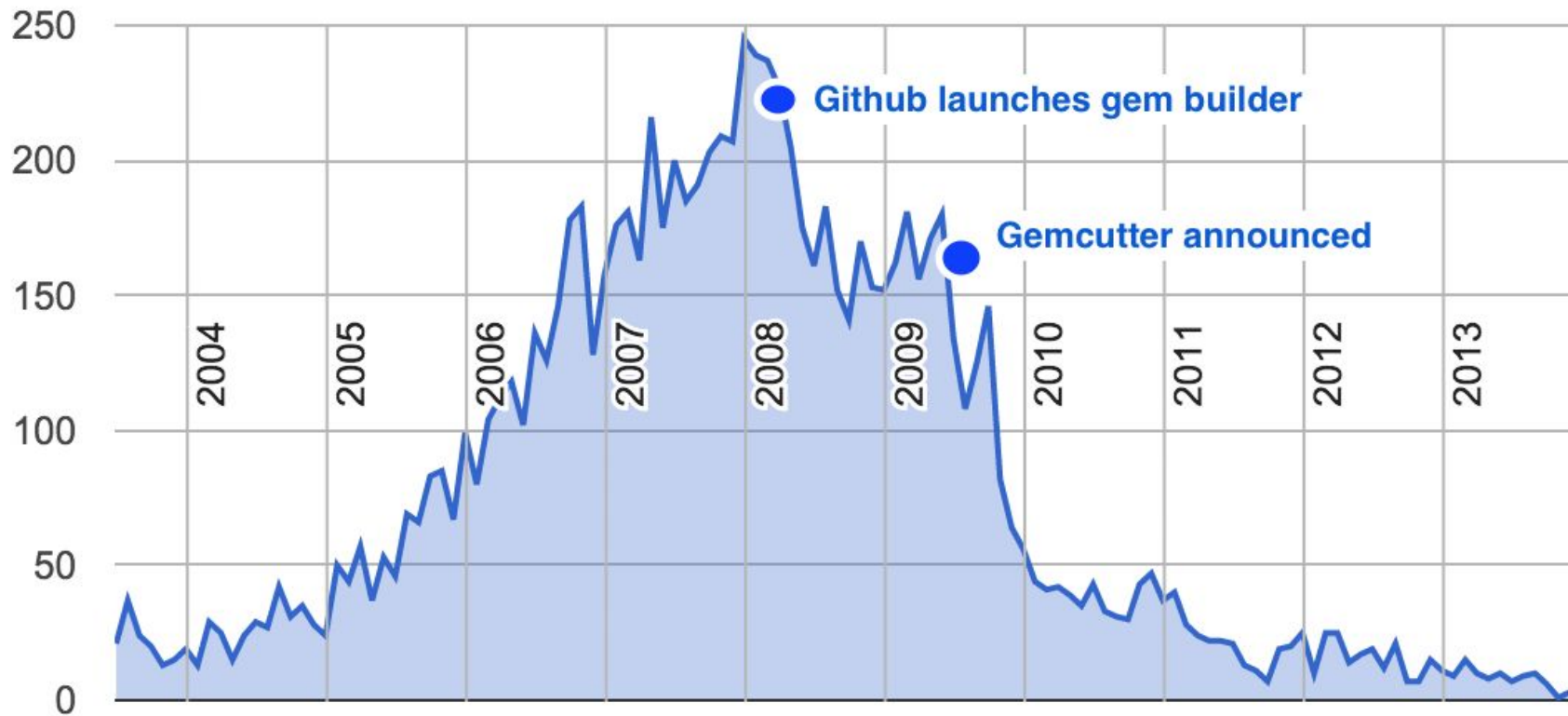
Here's some stuff we can do with this data.

Projects hosted on RubyForge over time (Fig.1)

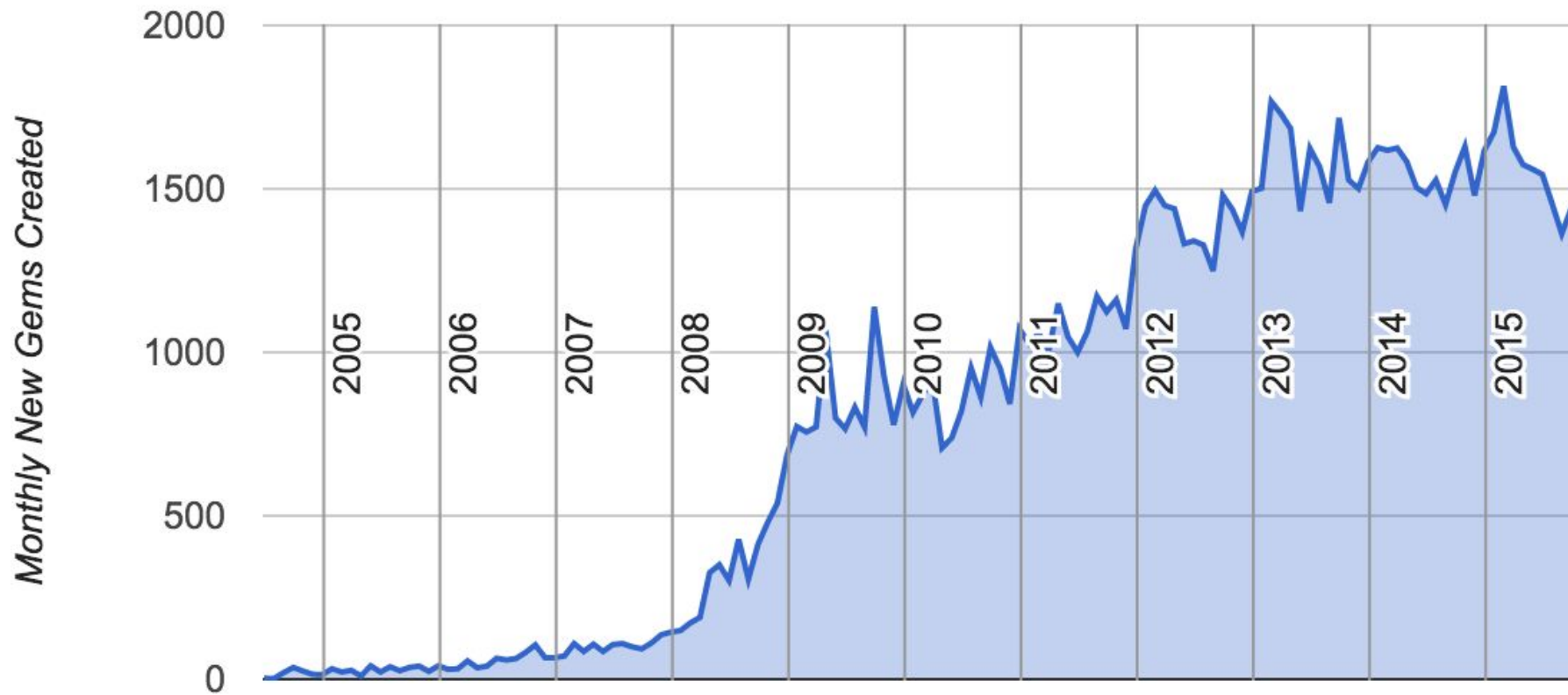


RubyForge project registrations per month (Fig. 2)

Monthly New Project Registrations



RubyGems new project registrations per month (Fig. 3)

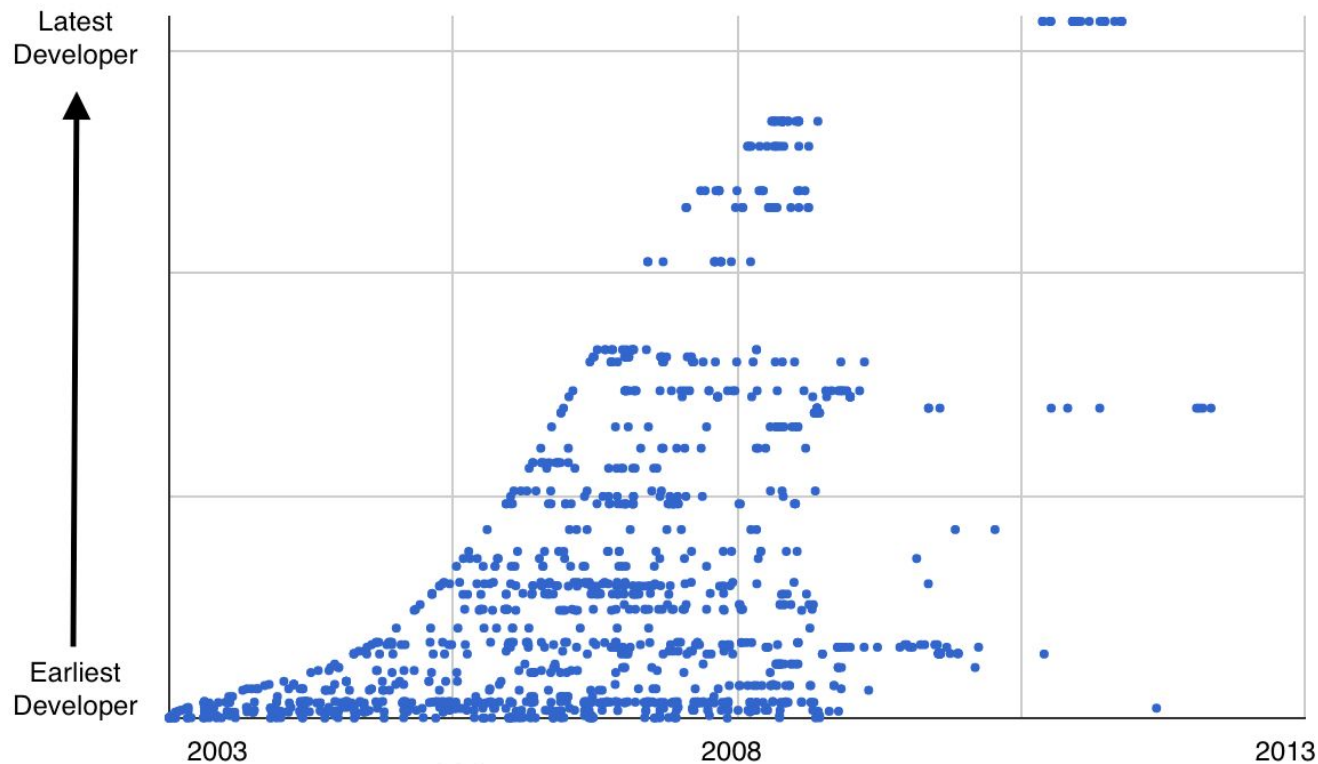


Percent of RubyForge projects specifying a license, over time (Fig. 4)

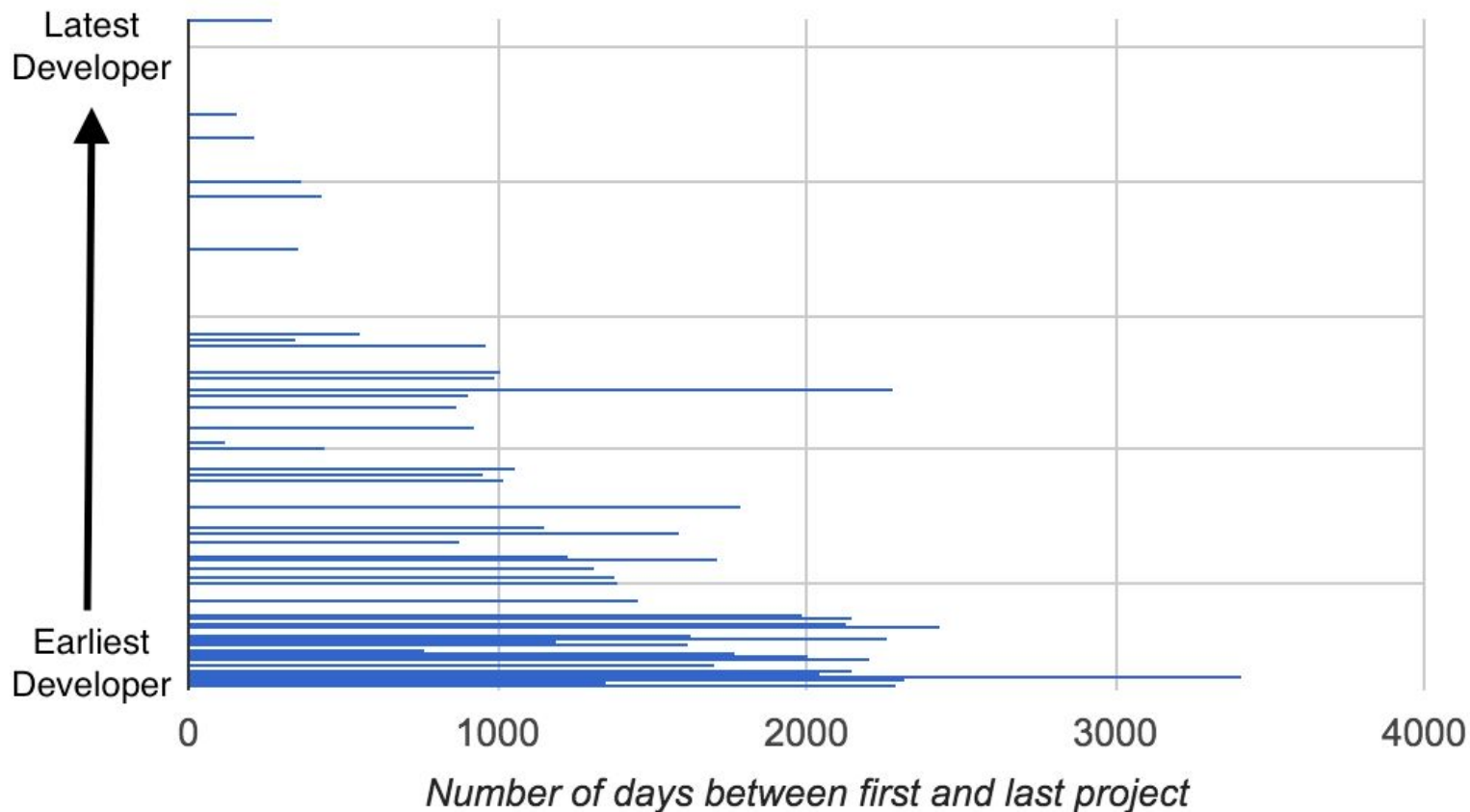


RubyForge Developer Create Dates (Fig. 5)

(Do earlier developers stick around long after the site is dying, still creating new projects?)



Days between first and last RF project, per developer (Fig. 6)
(Do earlier developers stick around long after the site is dying, still creating new projects?)



RF: Count of Developers by Number of Projects (2013)

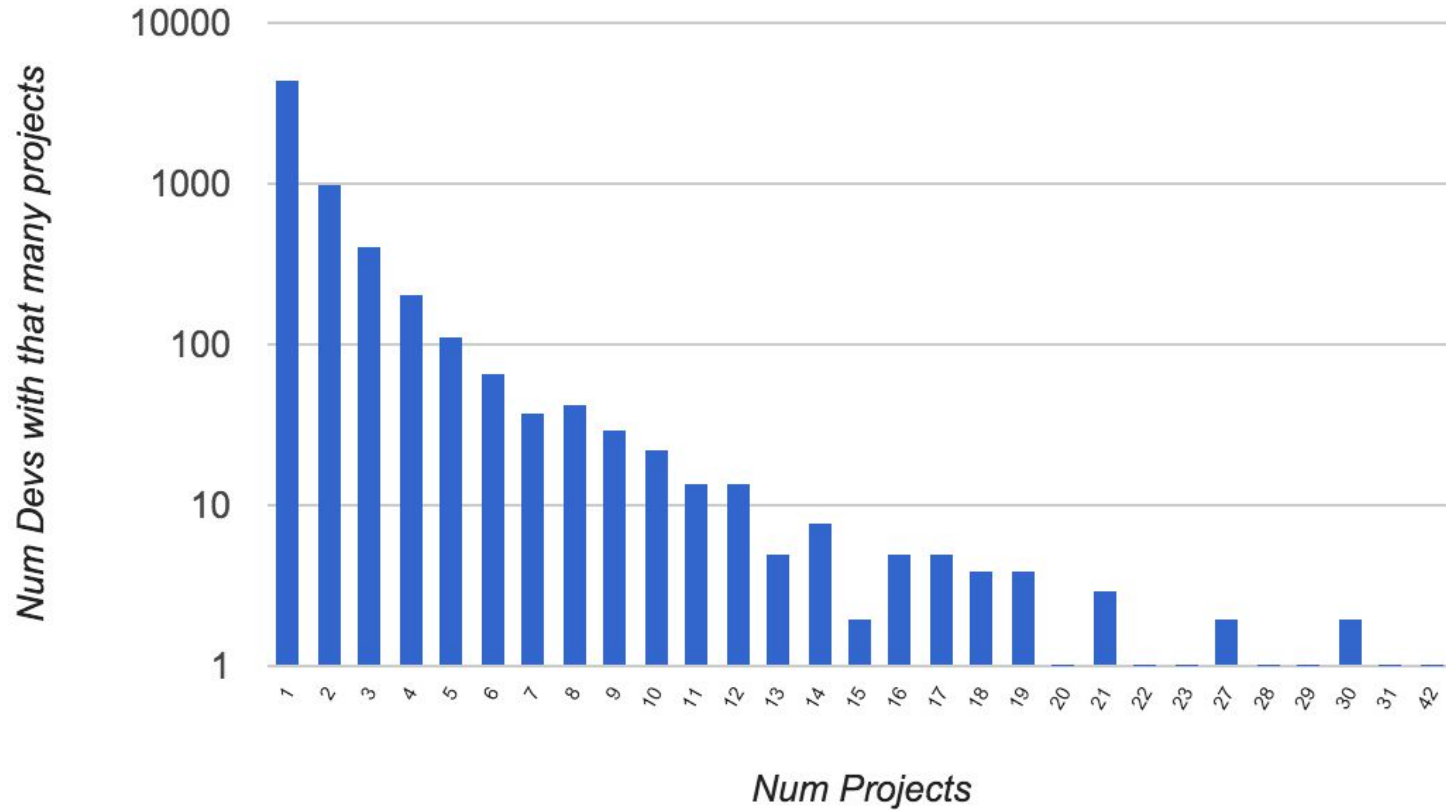


Figure not in paper.

RG: Gem releases week-by-week (2004-2015)

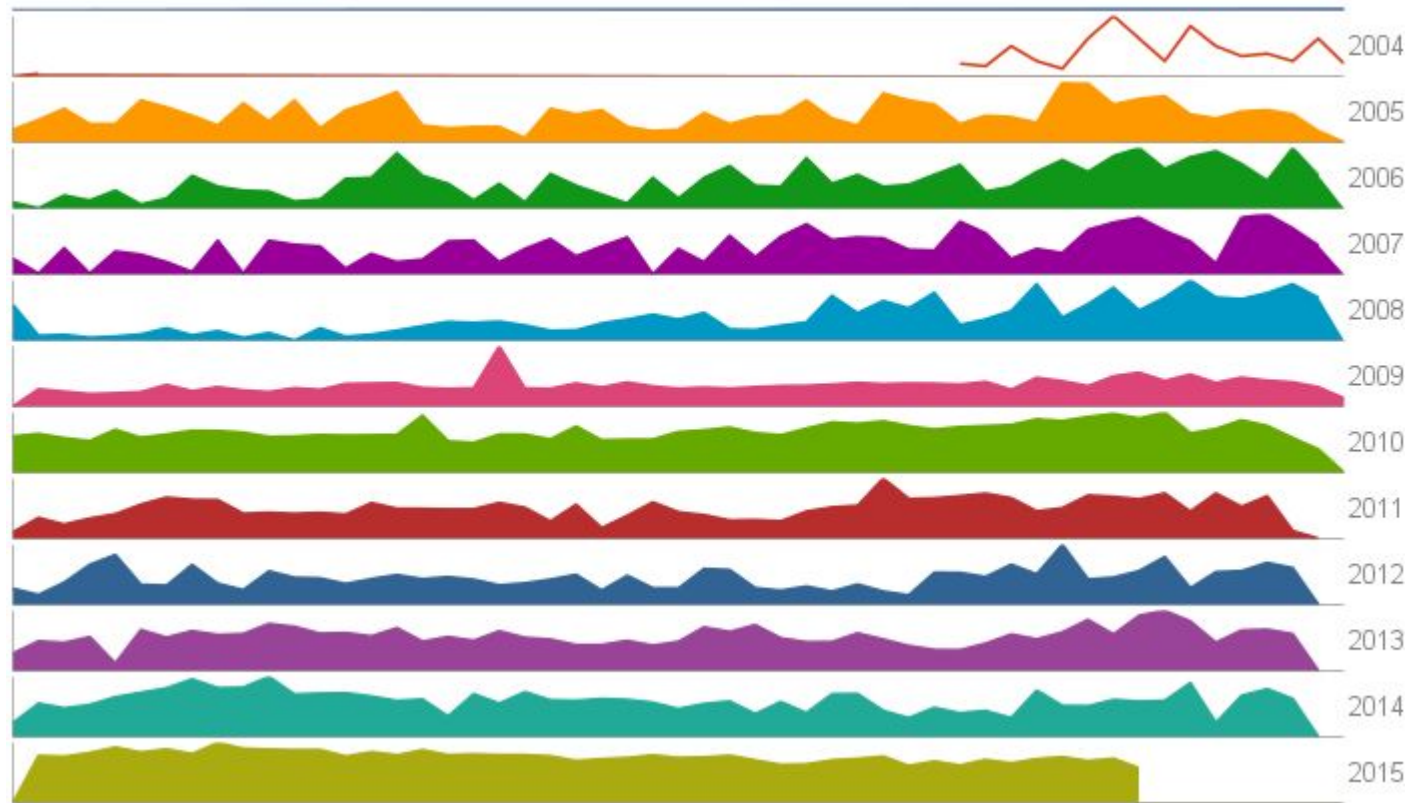


Figure not in paper.

Work In Progress

- Entity Matching: Connect RubyForge projects & RubyGems projects to create long-term project histories.
 - Early results: I was able to find between 1,082 and 5,552 matching projects between the two sites (depending on how I tune the matcher)

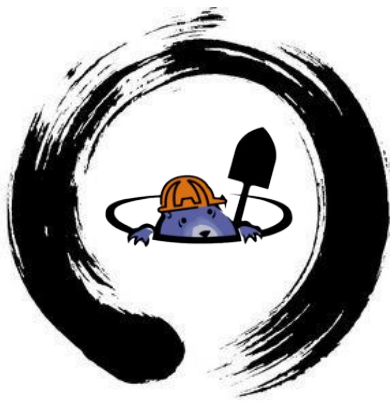
Get the data:



[FLOSSmole.org](http://flossmole.org)

- MySQL access [[how to](#)]
- The RubyForge data: <http://flossdata.syr.edu/data/rf/>
- The RubyGems data: <http://flossdata.syr.edu/data/rg/>

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