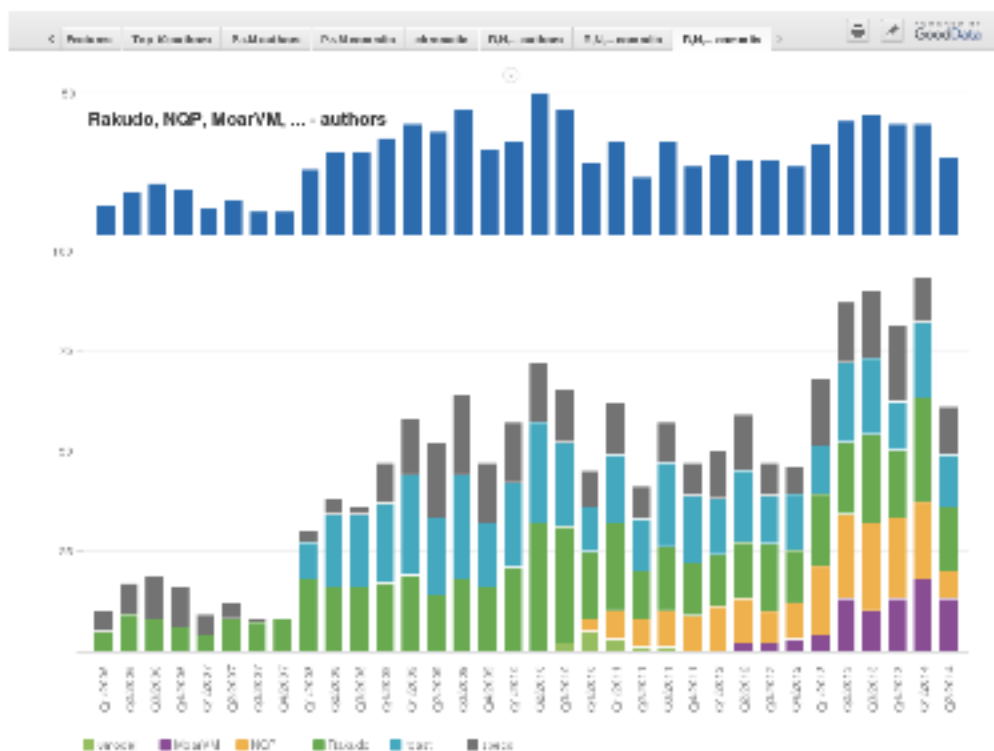


GoodData

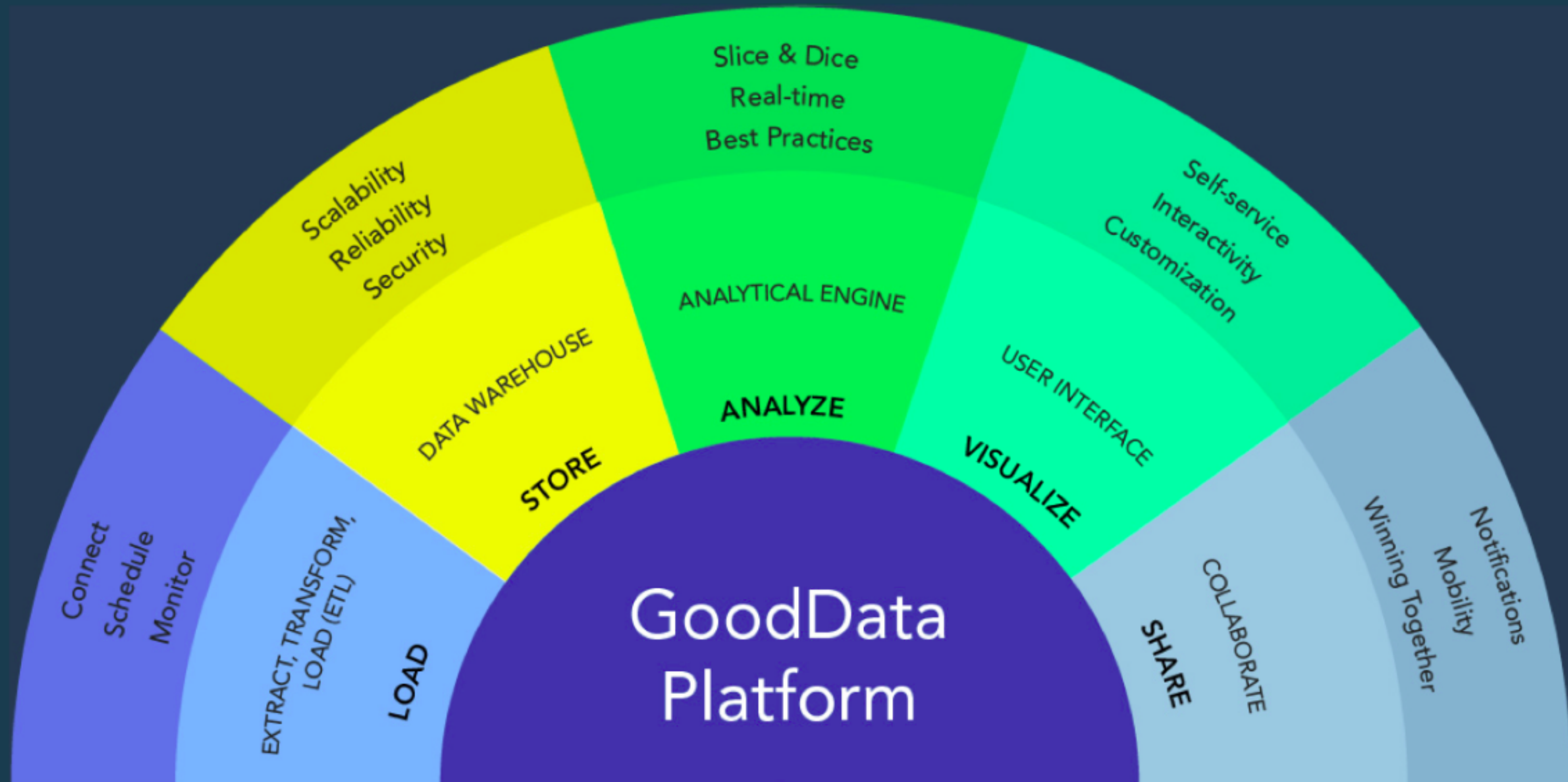


# Perl 6 a Perl 5 v GoodData

Michal “mj41” Jurosz



# OPEN CLOUD BI PLATFORM



```

CREATE ATTRIBUTE {attr.project_flavour} VISUAL(TITLE "Project flavour")
  AS KEYS {tab_project_flavour.id} PRIMARY
  WITH LABELS {l_project_flavour.name} VISUAL(TITLE "Project flavour name") AS {tab_project_flavour.name}

CREATE ATTRIBUTE {attr.project} VISUAL(TITLE "Project")
  AS KEYS {tab_project.id} PRIMARY, {tab_project_flavour.fk_project_id}
  WITH LABELS {l_project.name} VISUAL(TITLE "Project name") AS {tab_project.name},
             {l_project.url} VISUAL(TITLE "Project url") AS {tab_project.url},
             {l_project.source_url} VISUAL(TITLE "Project source url") AS {tab_project.source_url};

CREATE ATTRIBUTE {attr.project_type} VISUAL(TITLE "Project type")
  AS KEYS {tab_project_type.id} PRIMARY, {tab_project.fk_project_type_id}
  WITH LABELS {l_project_type.name} VISUAL(TITLE "Project type") AS {tab_project_type.name};

CREATE DATASET {dataset.projects} VISUAL(TITLE "Projects");

ALTER DATASET {dataset.projects} ADD {attr.project}, {attr.project_flavour}, {attr.project_type};

SYNCHRONIZE {dataset.projects};

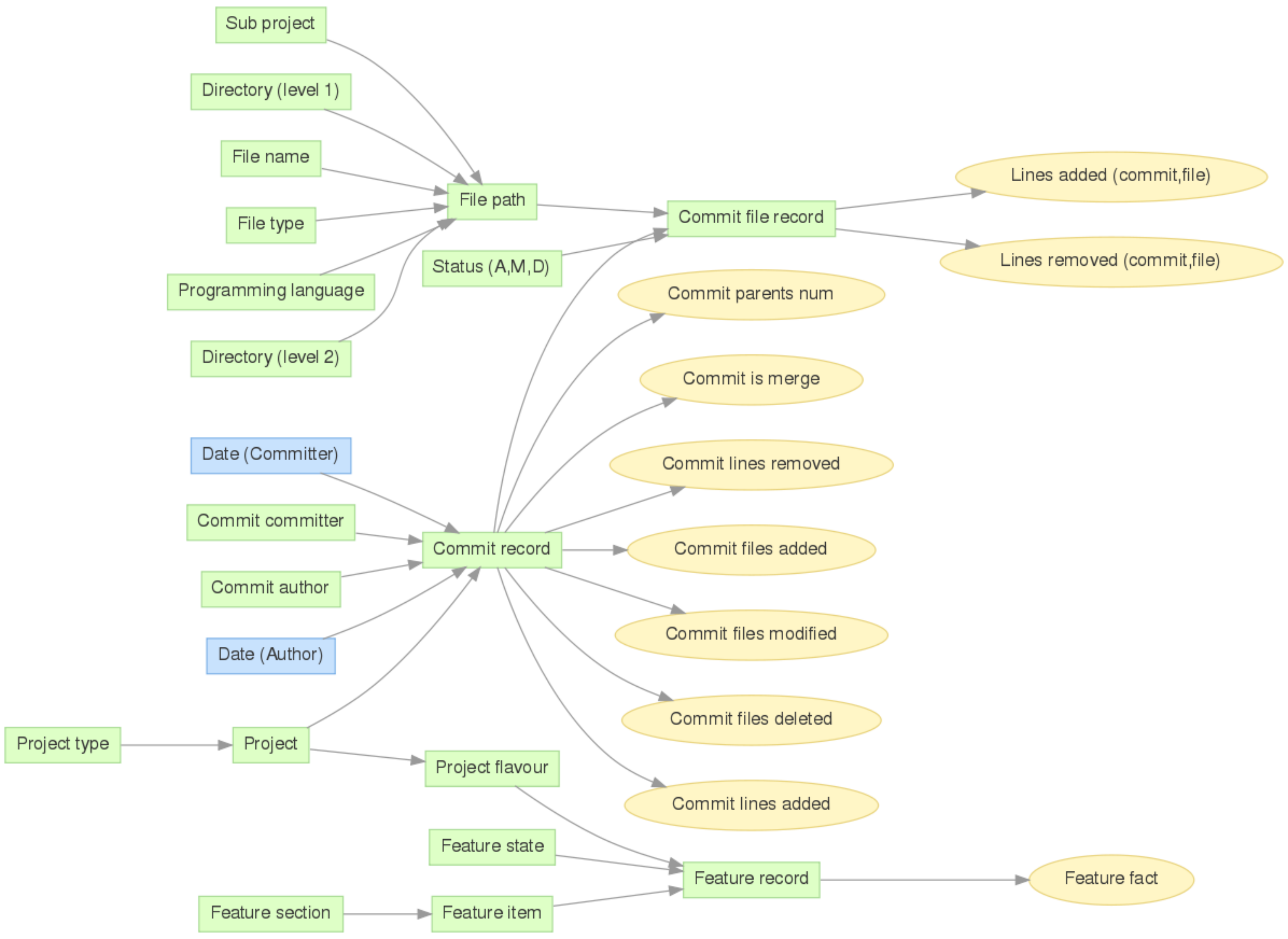
```



```

name,url,source_url,type,flavour
6model,https://github.com/jnthn/6model,git://github.com/jnthn/6model.git,others,6model
ABC,,git://github.com/colomon/ABC.git,module,ABC
ADT,,git://github.com/timo/ADT.git,module,ADT
Adventure::Engine,,git://github.com/masak/Adventure-Engine.git,module,Adventure::Engine

```





```
1 ==> data-out/projects.csv <==
2 name,url,source_url,type,flavour
3 6model,https://github.com/jnthn/6model,git://github.com/jnthn/6model.git,others,6model
4 ABC,,git://github.com/colomon/ABC.git,module,ABC
5 ADT,,git://github.com/timo/ADT.git,module,ADT
6 Adventure::Engine,,git://github.com/masak/Adventure-Engine.git,module,Adventure::Engine
7
8 ==> data-out/commits.csv <==
9 commit_sha1,project,author_date,committer_date,commit_author,commit_author_email,commit_committer,commit_committer_email,merge,parents,files_a,files_m,files_d,lines_add,lines_rm
10 f42632304fd9f7d735692bc44a33dde7cf7dd474,6model,2010-08-12,2010-08-12,"Jonathan
11 Worthington",jnthn@jnthn.net,"Jonathan Worthington",jnthn@jnthn.net,0,0,1,0,0,6,0
12 64db8b8825f43d18814d4a1c9a9615ee2d06c90a,6model,2010-08-13,2010-08-13,"Jonathan
13 Worthington",jnthn@jnthn.net,"Jonathan Worthington",jnthn@jnthn.net,0,1,3,0,0,226,0
14 c2b3cfb37034cf9608c93257c89d8fe923cc7f7c,6model,2010-08-13,2010-08-13,"Jonathan
15 Worthington",jnthn@jnthn.net,"Jonathan Worthington",jnthn@jnthn.net,0,1,1,2,0,169,0
16 60385519ae946bf428d24323c362f9a7b40c7a10,6model,2010-08-13,2010-08-13,"Jonathan
17 Worthington",jnthn@jnthn.net,"Jonathan Worthington",jnthn@jnthn.net,0,1,2,2,0,1485,0
18
19 ==> data-out/commits_files.csv <==
20 sha1,fpath,dir_l1,dir_l2,fname,ftype,lang,sub_project,cf_status_short,cf_status_descr,lines_add,lines_rm
21 f42632304fd9f7d735692bc44a33dde7cf7dd474,README.txt,,,README.txt,unk,unk,6model,A,added,6,0
22 64db8b8825f43d18814d4a1c9a9615ee2d06c90a,dotnet/compiler/DNST.pm,dotnet,compiler,DNST.pm,code,Perl,6model,A,added,226
23 ,0
24 c2b3cfb37034cf9608c93257c89d8fe923cc7f7c,dotnet/compiler/DNST2CSharp.pm,dotnet,compiler,DNST2CSharp.pm,code,Perl,6model,A,added,169,0
25 60385519ae946bf428d24323c362f9a7b40c7a10,dotnet/compiler/Actions.pm,dotnet,compiler,Actions.pm,code,Perl,6model,A,added,881,0
26
27 244 data-out/projects.csv
28 147667 data-out/commits.csv
29 400233 data-out/commits_files.csv
30 548144 total
```

## Perl authors

[Click here to add description](#)

Saved

Options ▼

## What (1)

## How (2)

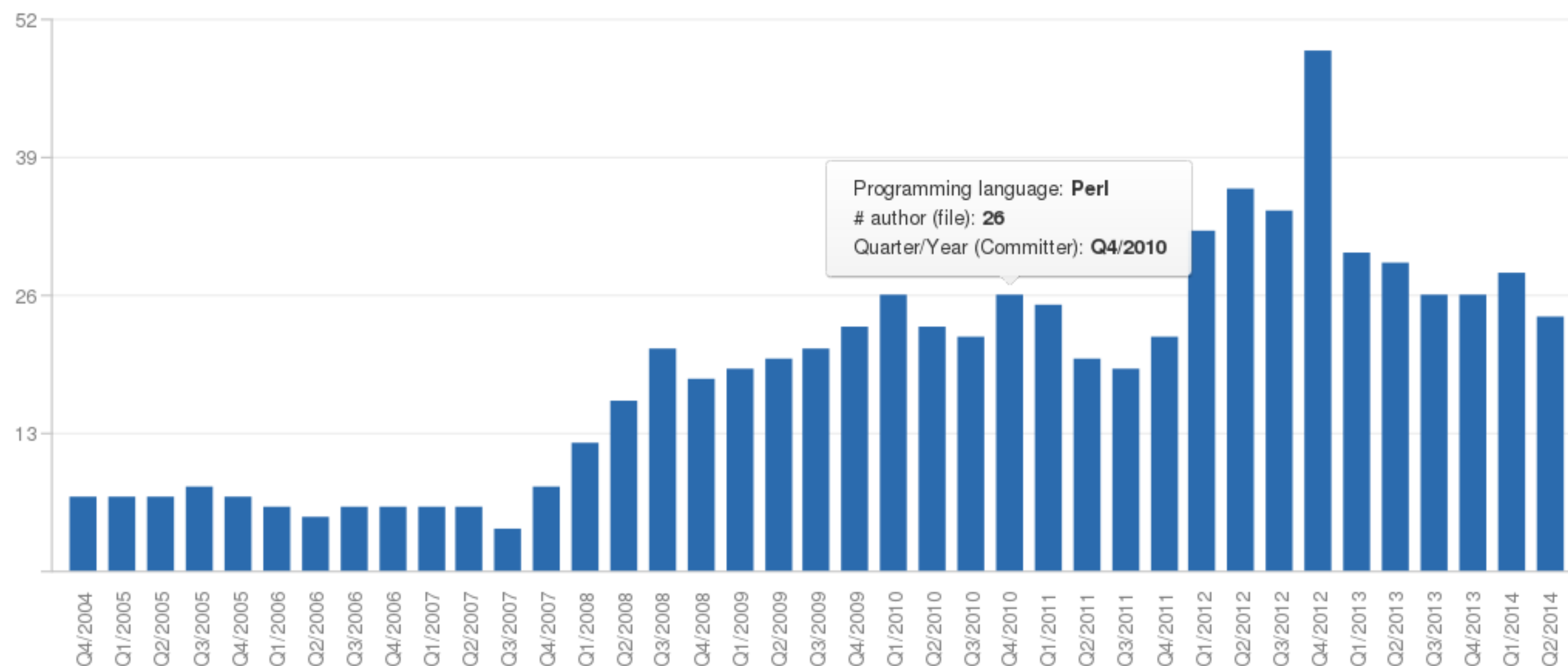
### Filter (1)

[« Show Configuration](#)

1. Programming language is Perl

 Add Filter

Hide Filters



 Export  Print  Embed  Favorite

### Report Comments

 [Add Comment](#)

What (1)

How (2)

Filter (1)

123

View by

Folders

Metrics

All Metrics (1)

Commits (1)

Counts

Search Metrics...

+

Add New Metric (advanced)

Global Metrics

☒ # author (file)

☒ # author (file)

☐ # authors (commit rec)

☐ # authors (commit rec)

Detail

# author (file)

select count(Commit author, Commit file record)

Metric Format ?

#,##

What (1)

How (2)

Filter (1)

1. Programming language is Perl

+

Add Filter

What (1)

How (2)

Filter (1)

123

View by

Folders

Attributes

All Attributes (2)

Commit

Commit detail (1)

Date dimension (Author)

Date dimension (Committer) (1)

Project

Search Attributes...

☒ Quarter/Year (Committer) LT

☐ Date (Committer)

☐ Day of Month (Committer)

☐ Day of Quarter (Committer)

☐ Day of Week (Mon-Sun)...

☐ Day of Week (Sun-Sat)...

☐ Day of Year (Committer)

☐ Month (Committer)

☐ Month of Quarter (Committer)

☐ Month/Year (Committer)

☐ Quarter (Committer)

☒ Quarter/Year (Committer) LT

☐ Week (Mon-Sun) (Committer)

☐ Week (Mon-Sun) of Qtr...

☐ Week (Mon-Sun)/Year (...)

☐ Week (Sun-Sat) (Committer)

Detail

Quarter/Year (Committer)

Quarter and Year (Q1/2010)

Applied Filter

Filter This Attribute

Configuration ?

Hide »

Horizontal (X)

Quarter/Year (Committer)

Vertical (Y)

Programming language

Metric Values

Series

Set colors

Drag here

Apply

Advanced Configuration ?

+

Axis X

+

Axis Y

+

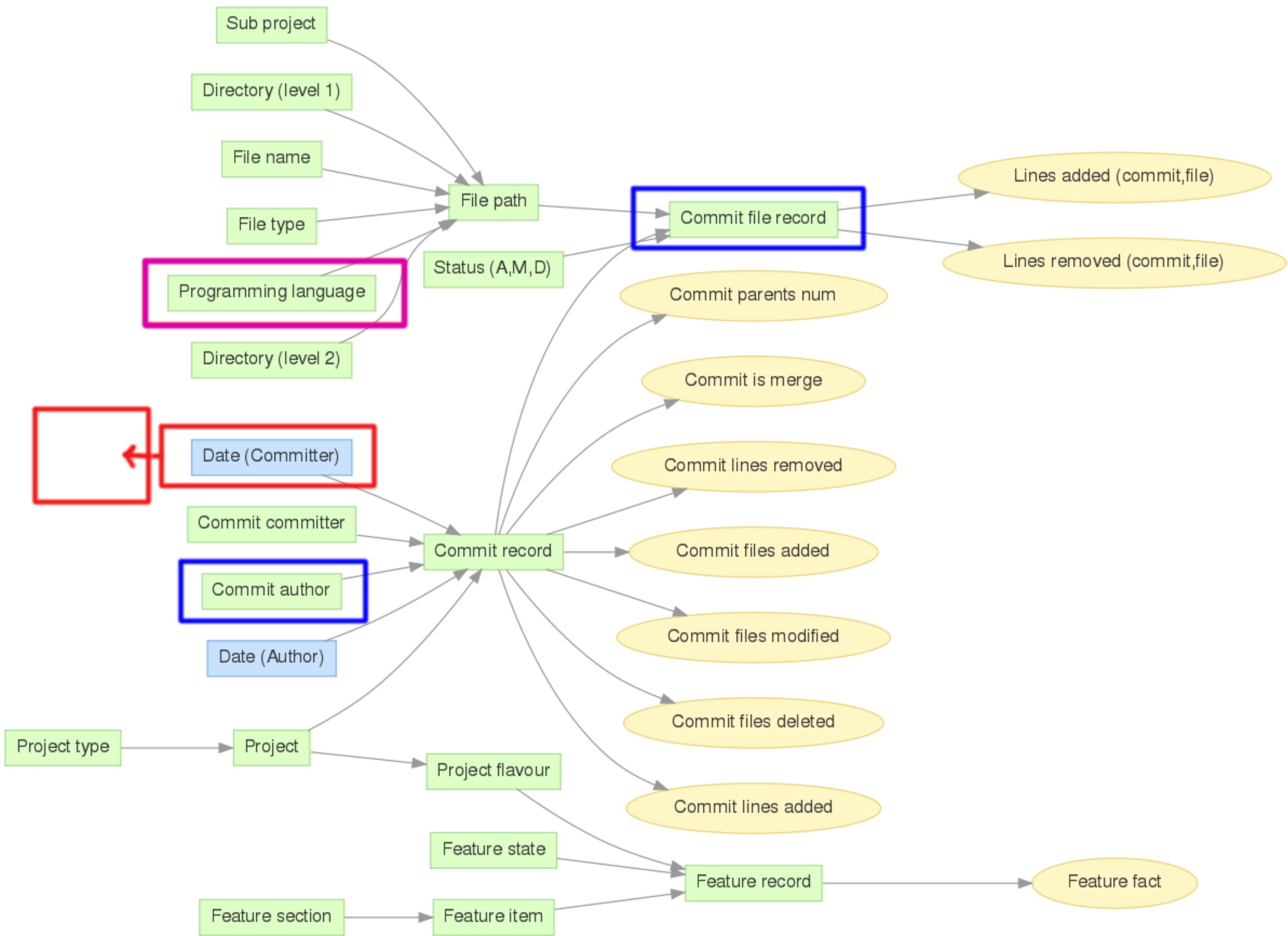
Global Settings

Apply

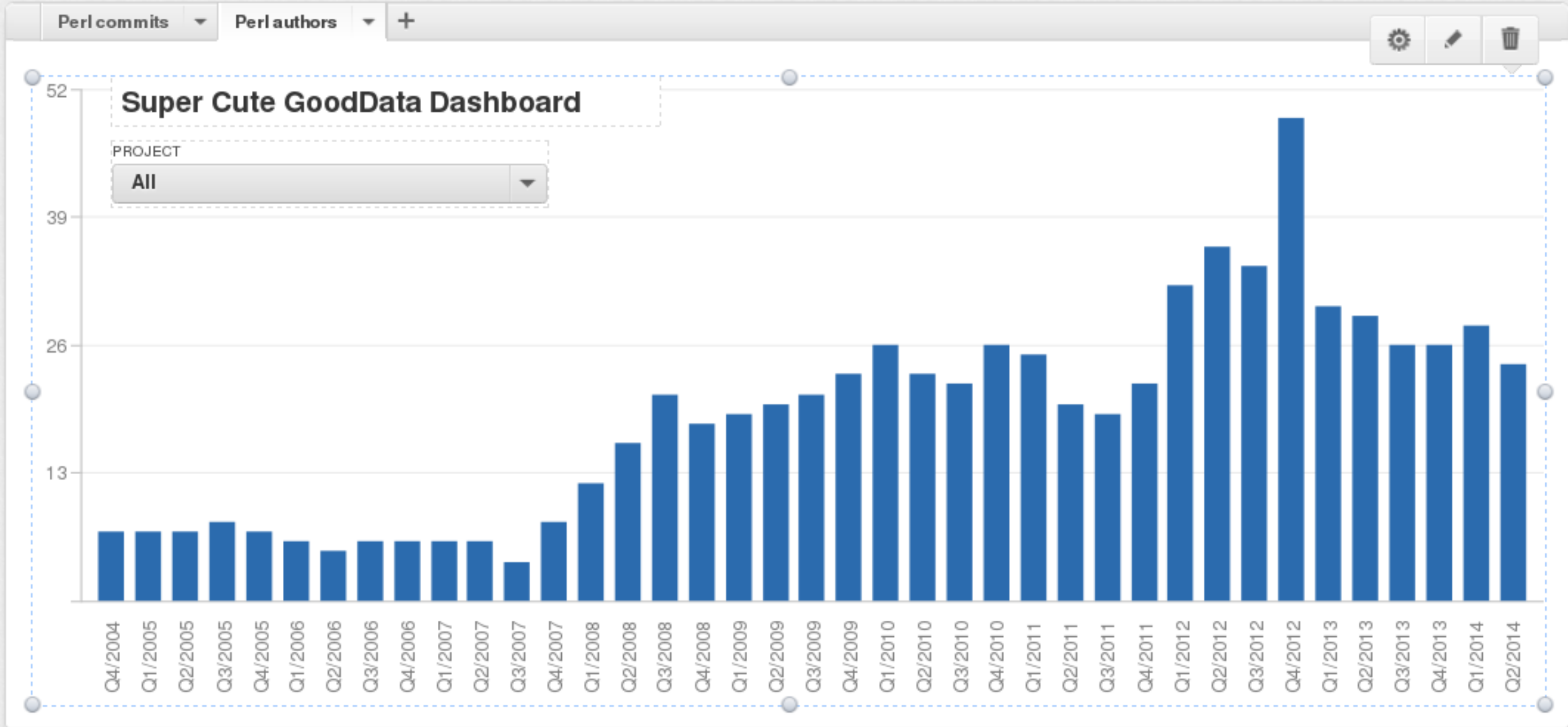
Chart Sorting

Sorting for this chart configuration is not supported. See [supported configurations](#).





Perl 5 v GoodData





GD-DevOps-TMP5



Dashboards

Reports

Manage

Search

Help



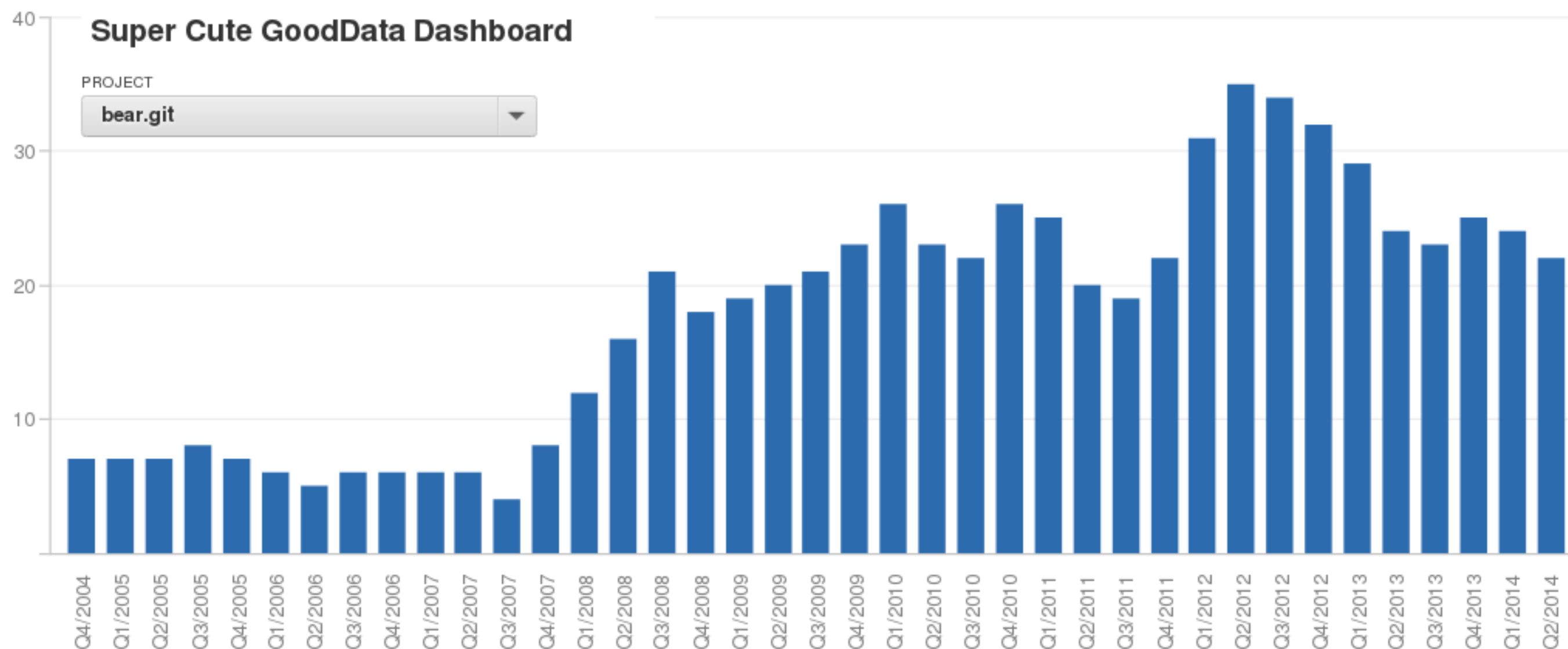
Michal Jurosz

Perl 5 v GoodData



Perl commits

Perl authors



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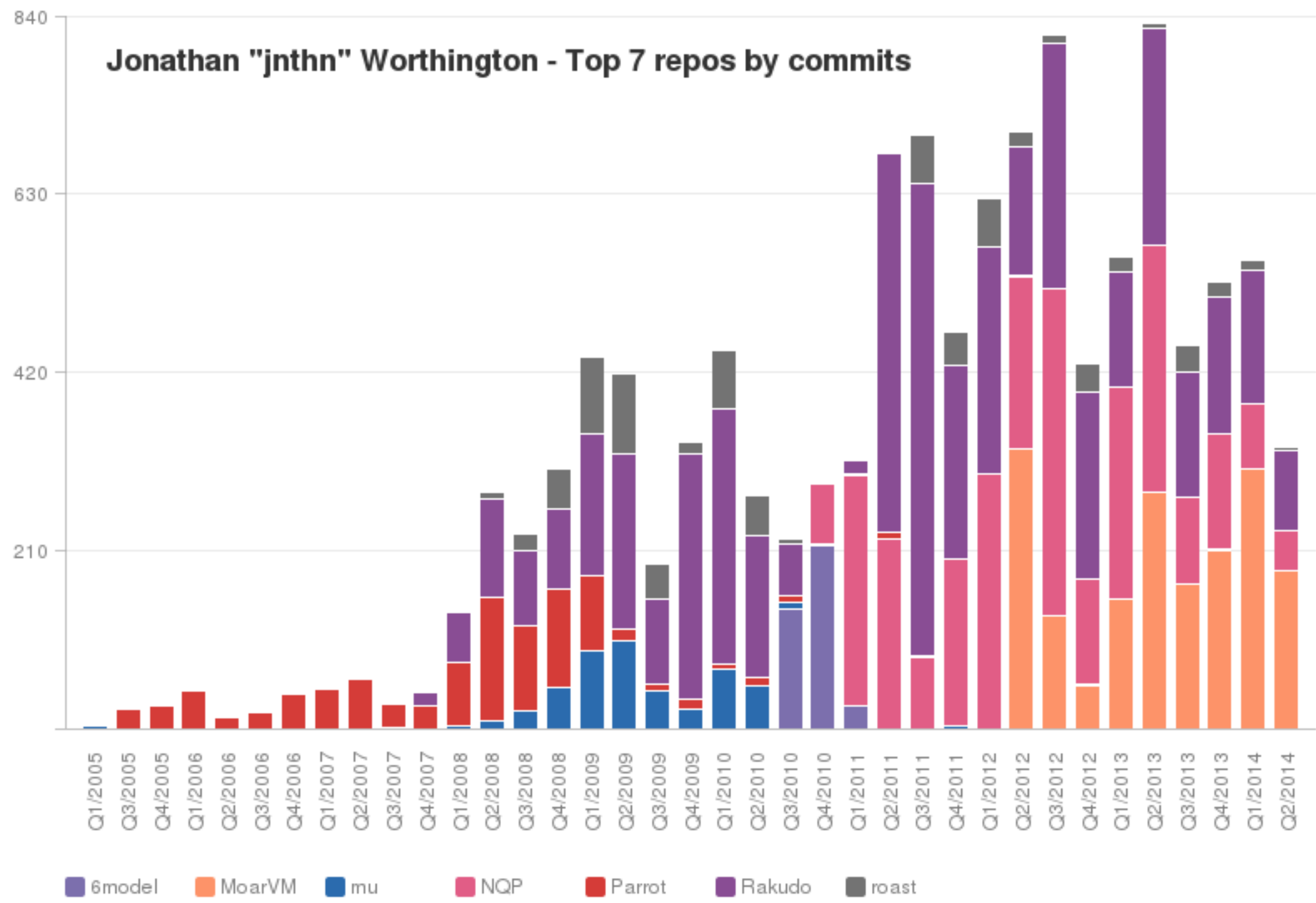
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[Help](#)

[Keyboard Shortcuts](#)

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DATE DIMENSION (COMMITTER)  
May 15 2013 - May 15 2014

239 projects

699 authors

143,593 "real" commits

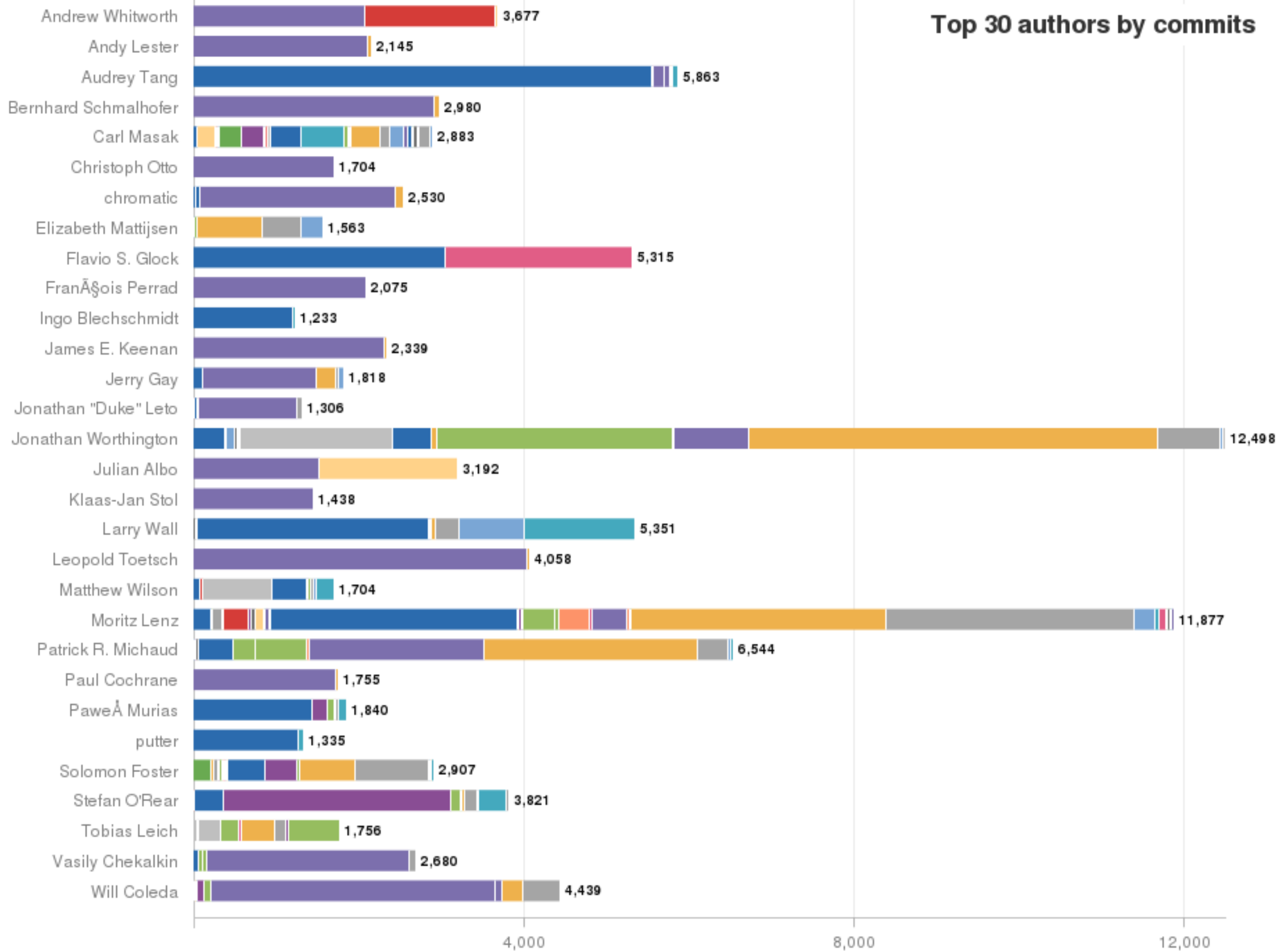
165 projects

135 authors

10,742 real commits



## Top 30 authors by commits



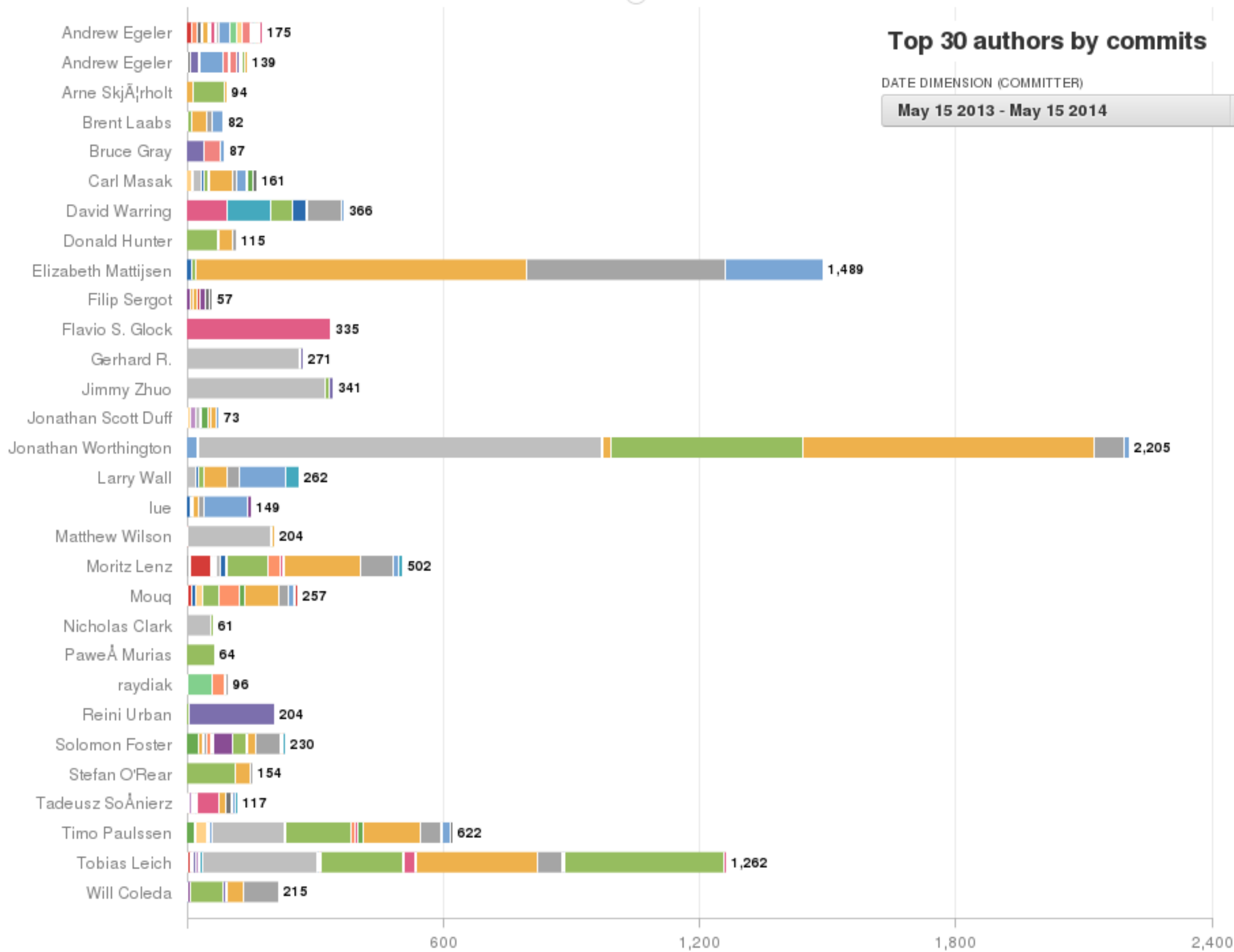


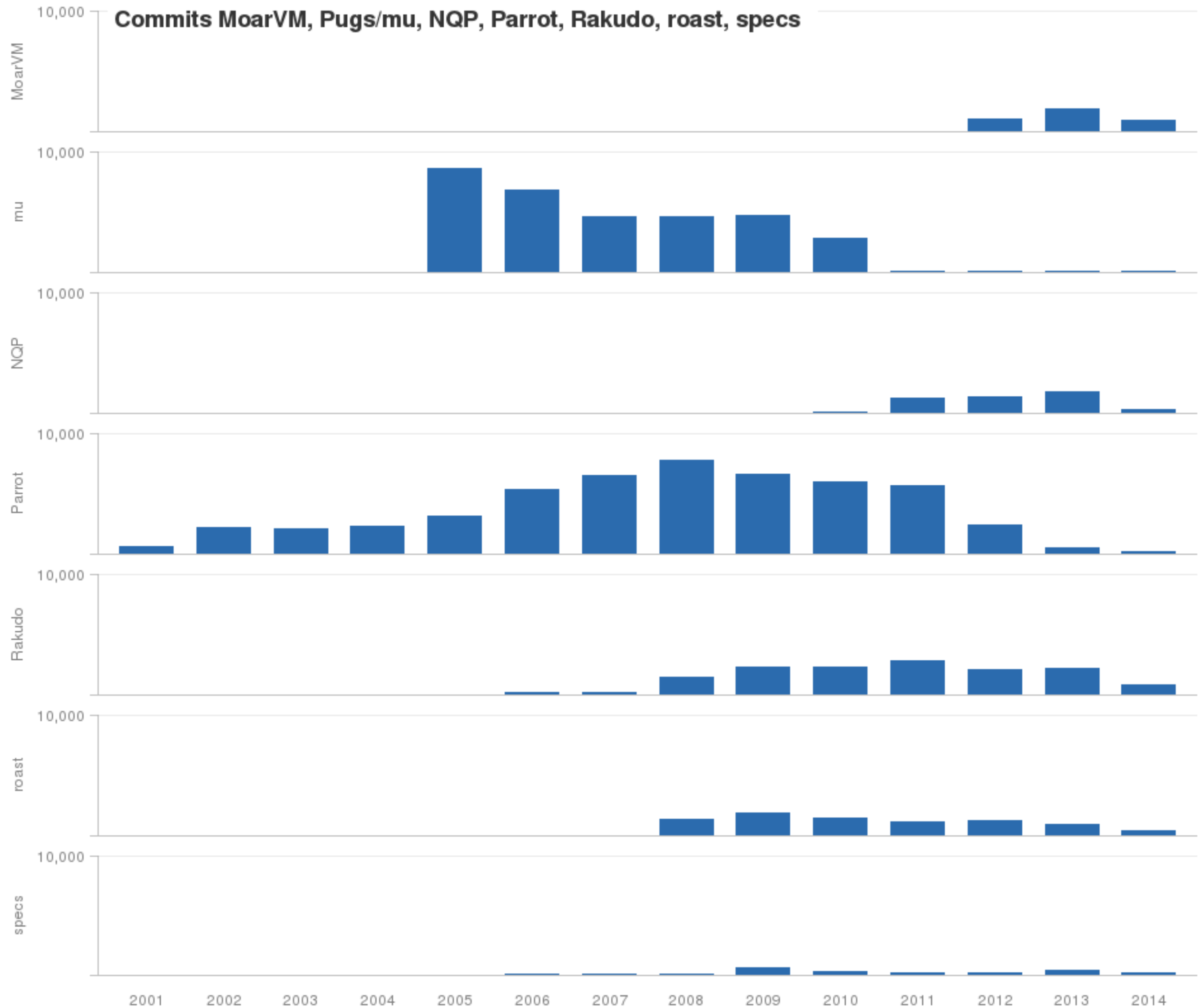


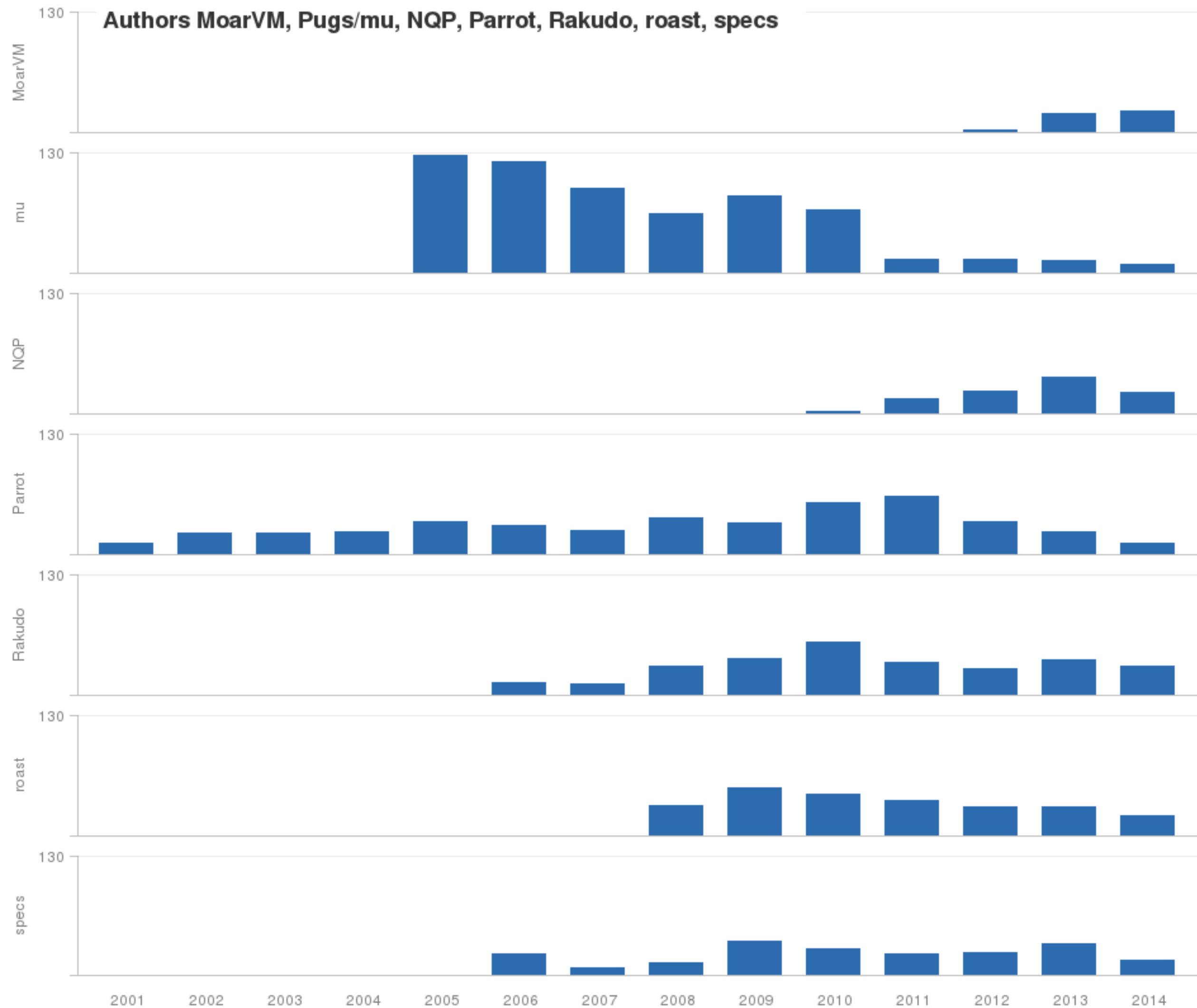
## Top 30 authors by commits

DATE DIMENSION (COMMITTER)

May 15 2013 - May 15 2014





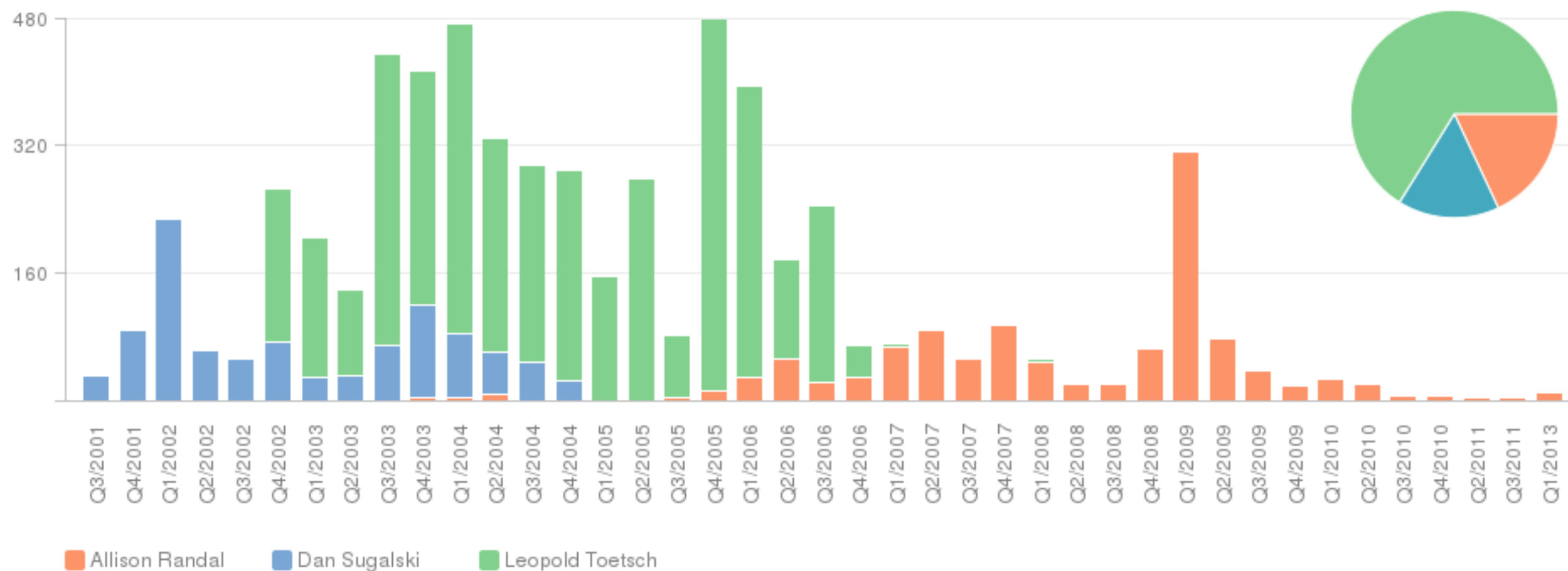
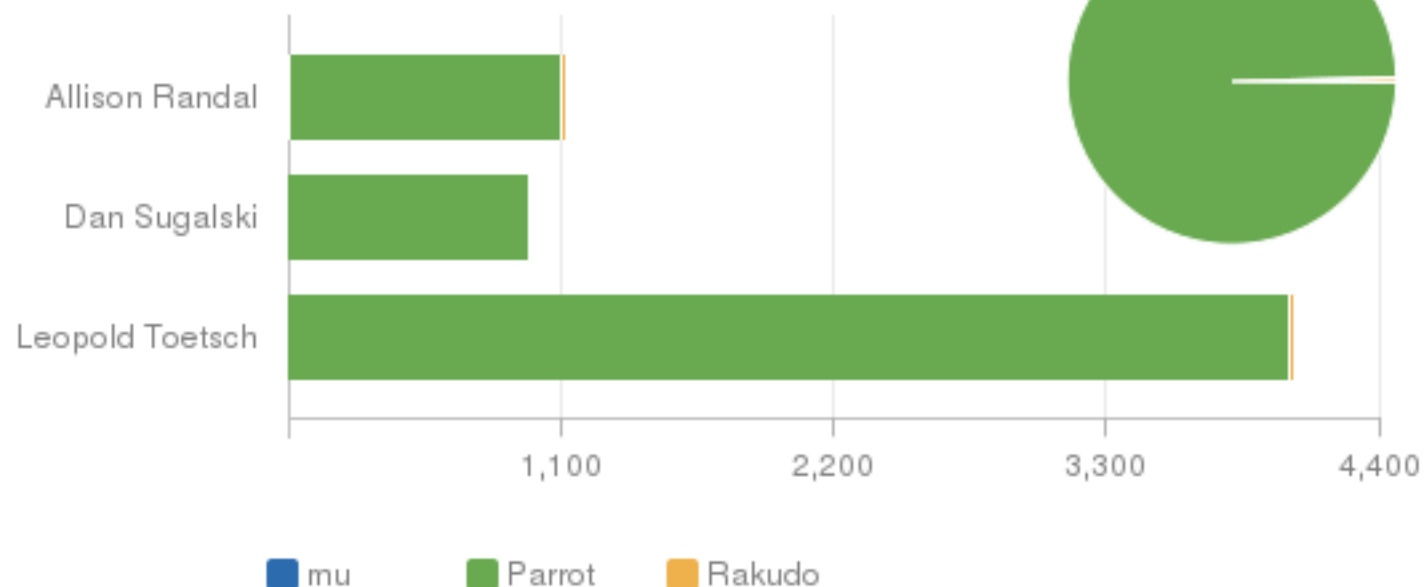


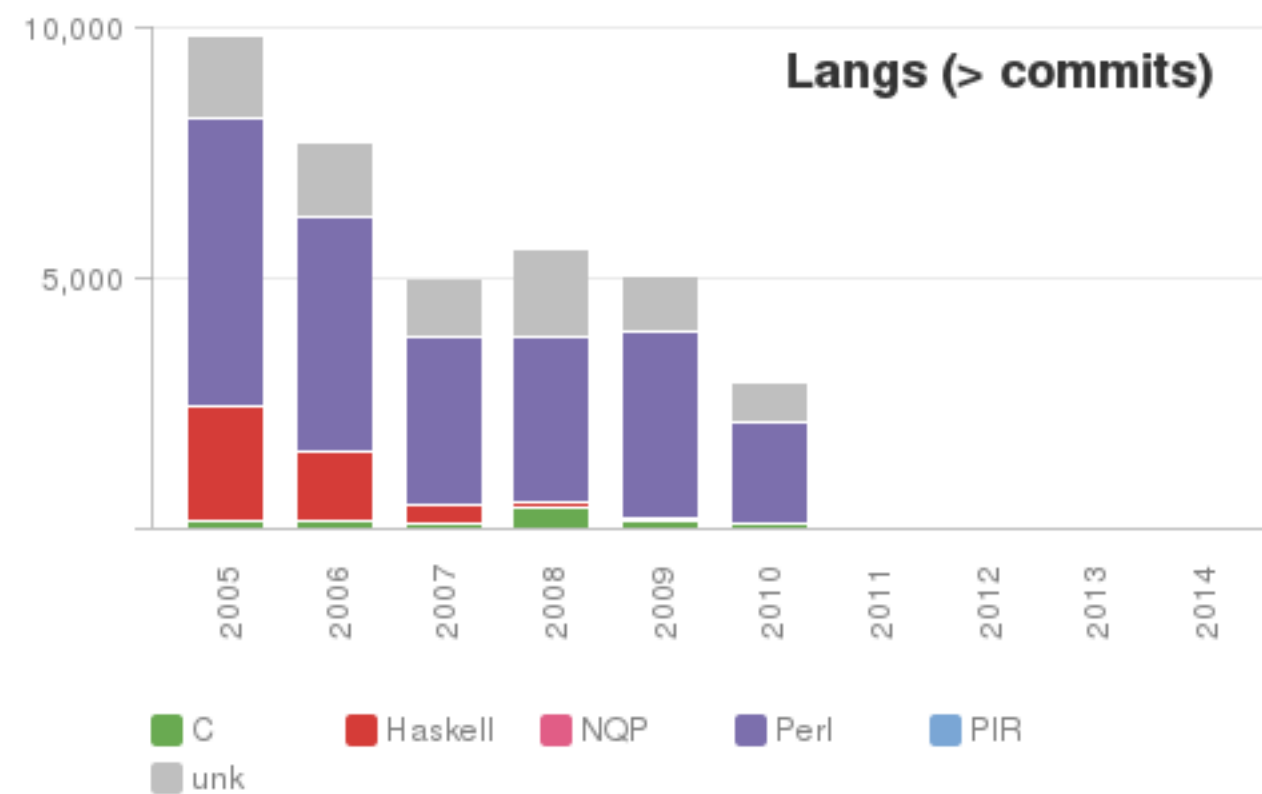
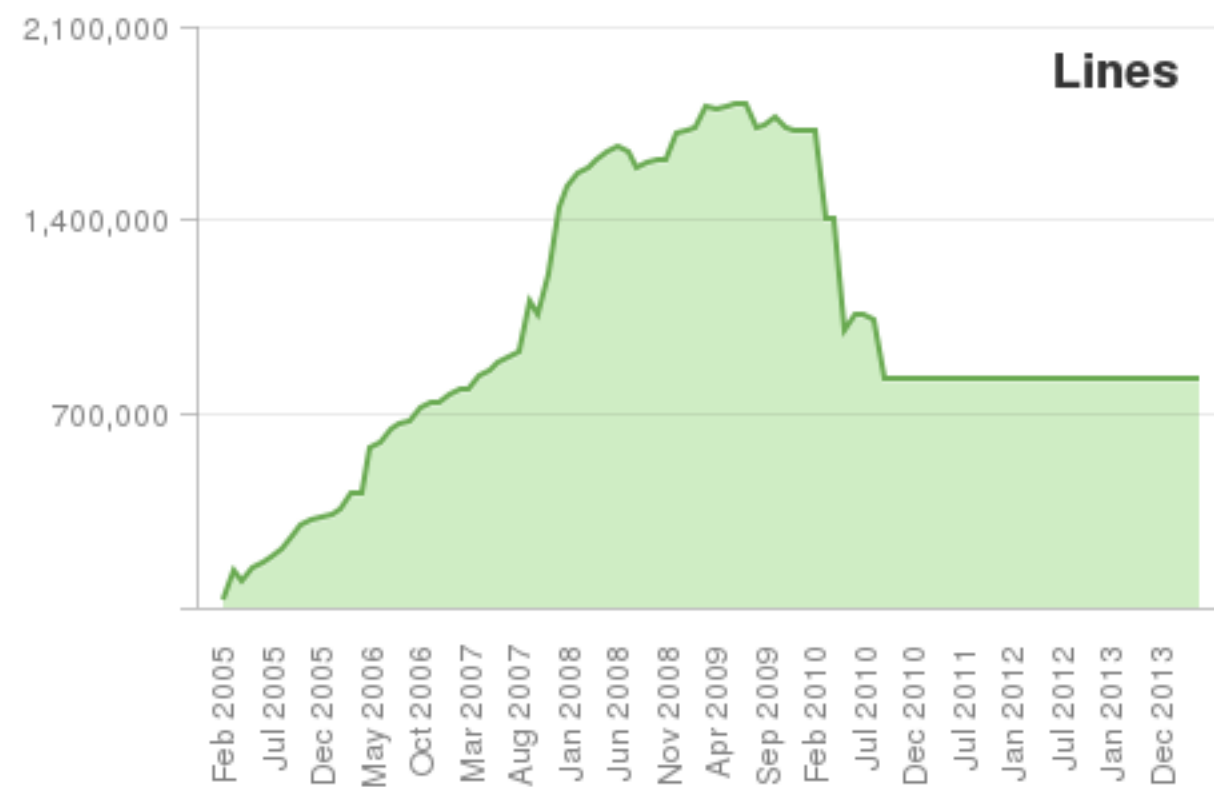
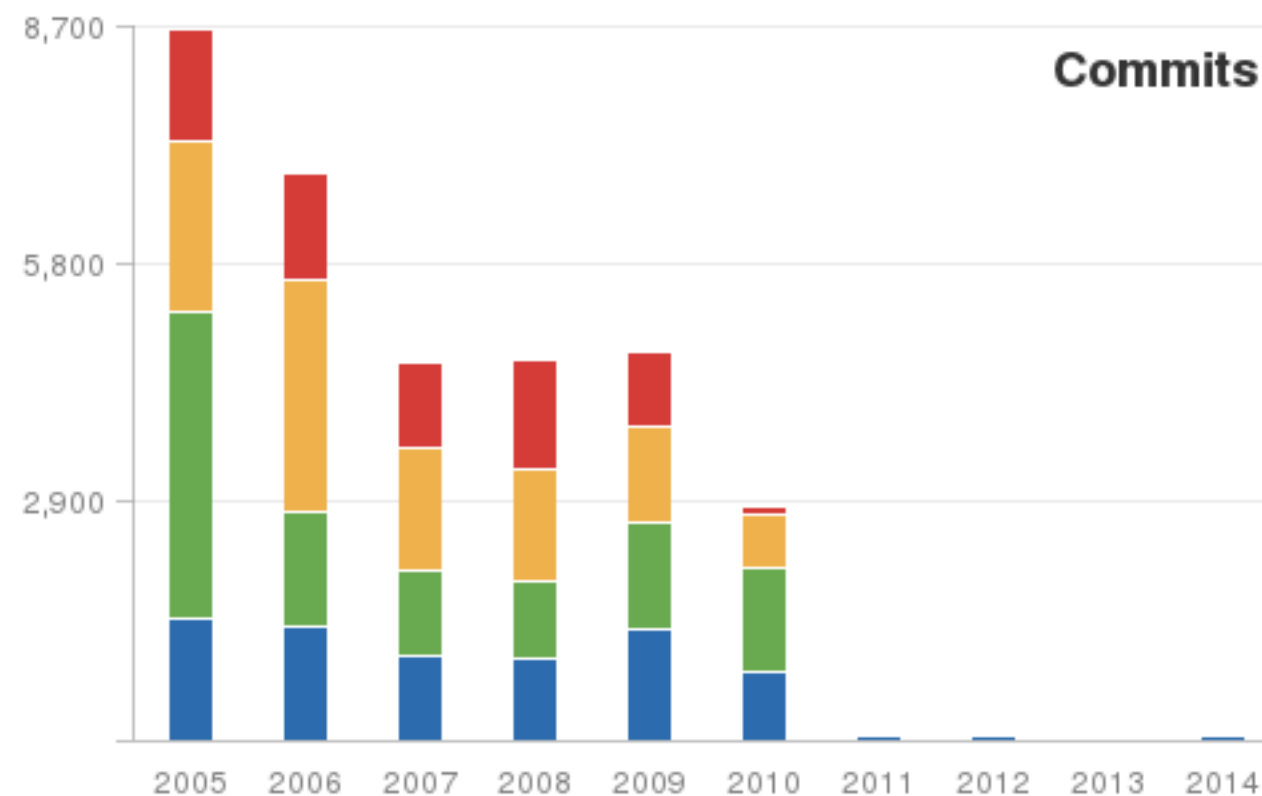
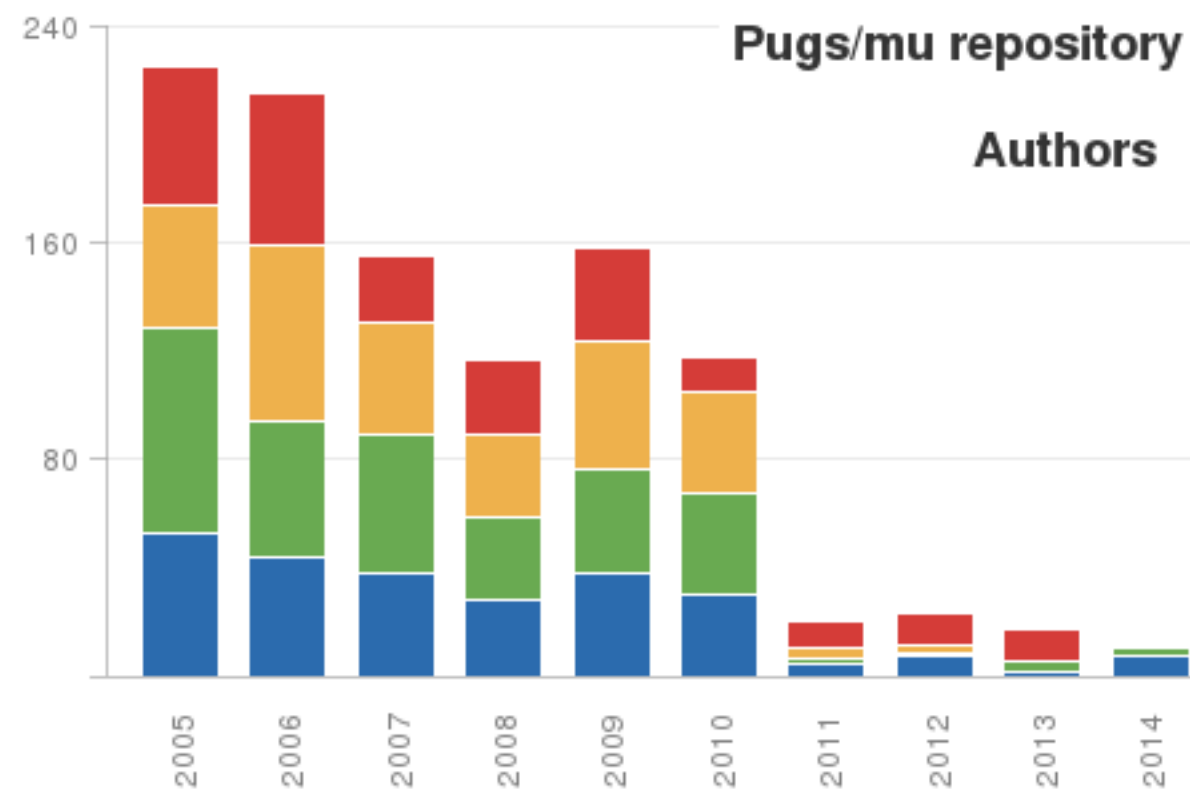


## Allison Randal, Dan Sugalski, and Leopold Toetsch: Perl 6 Essentials June 27, 2003

Perl 6 Essentials is a sneak-preview of Perl 6, the widely-anticipated rewrite of the Perl programming language.

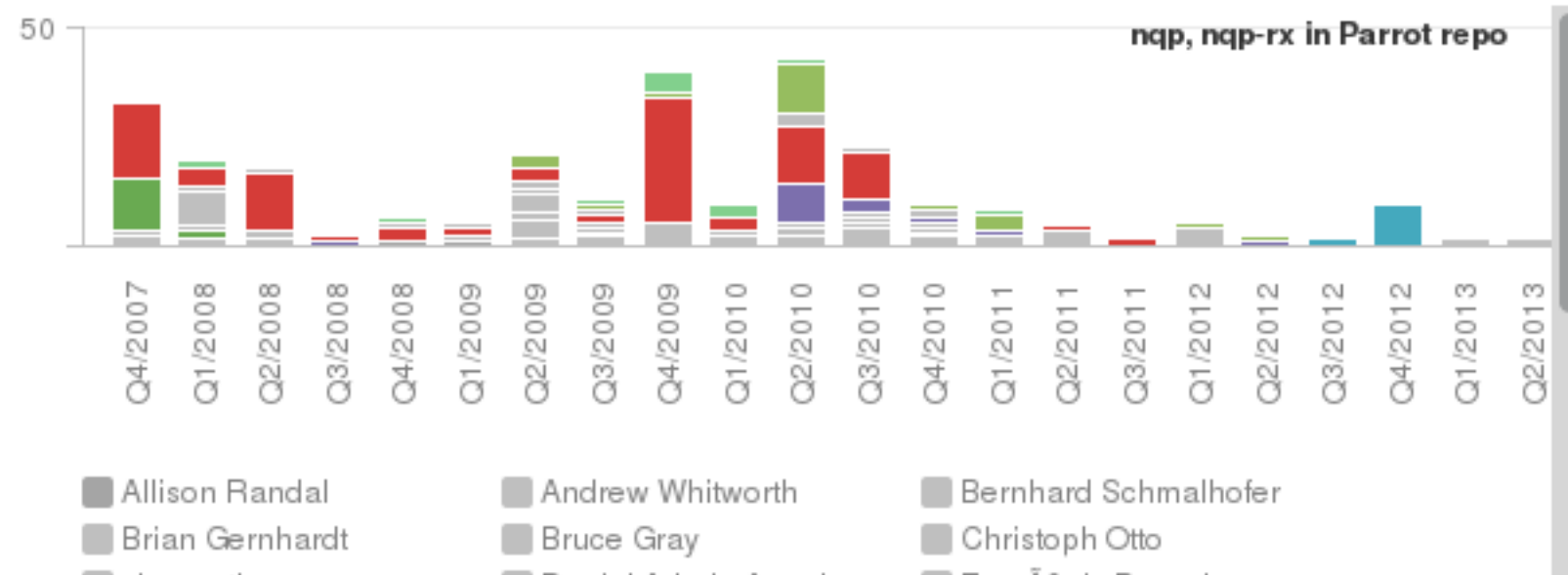
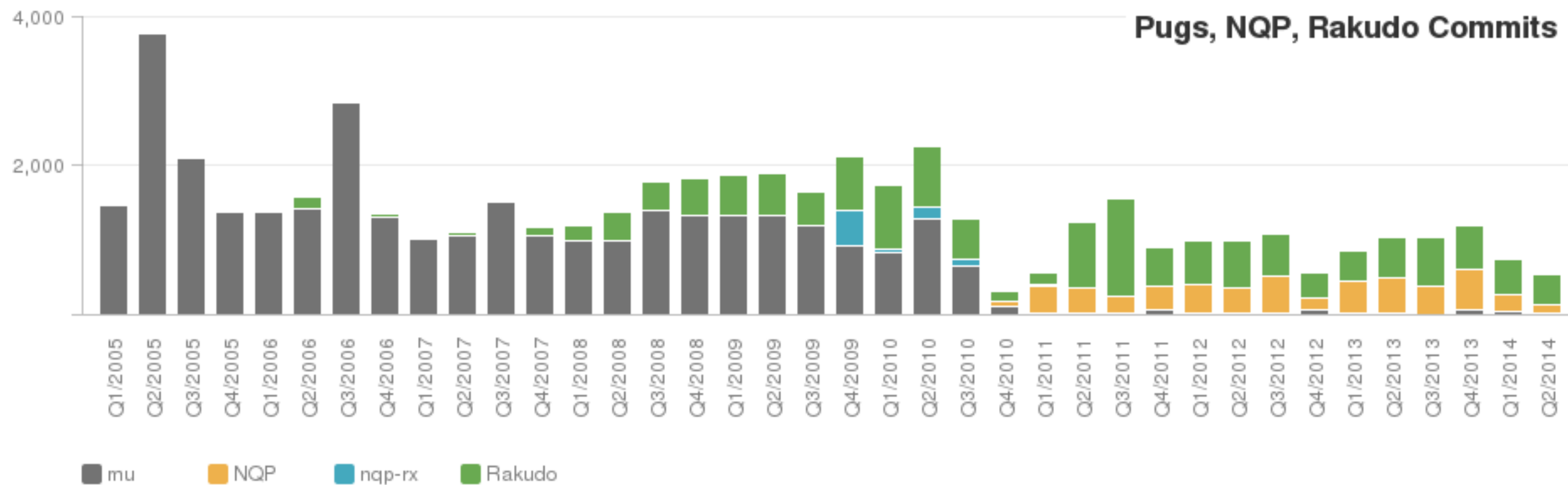
Still in development, the Perl 6 project is a community-based effort to keep Perl vibrant well into the 21st century.

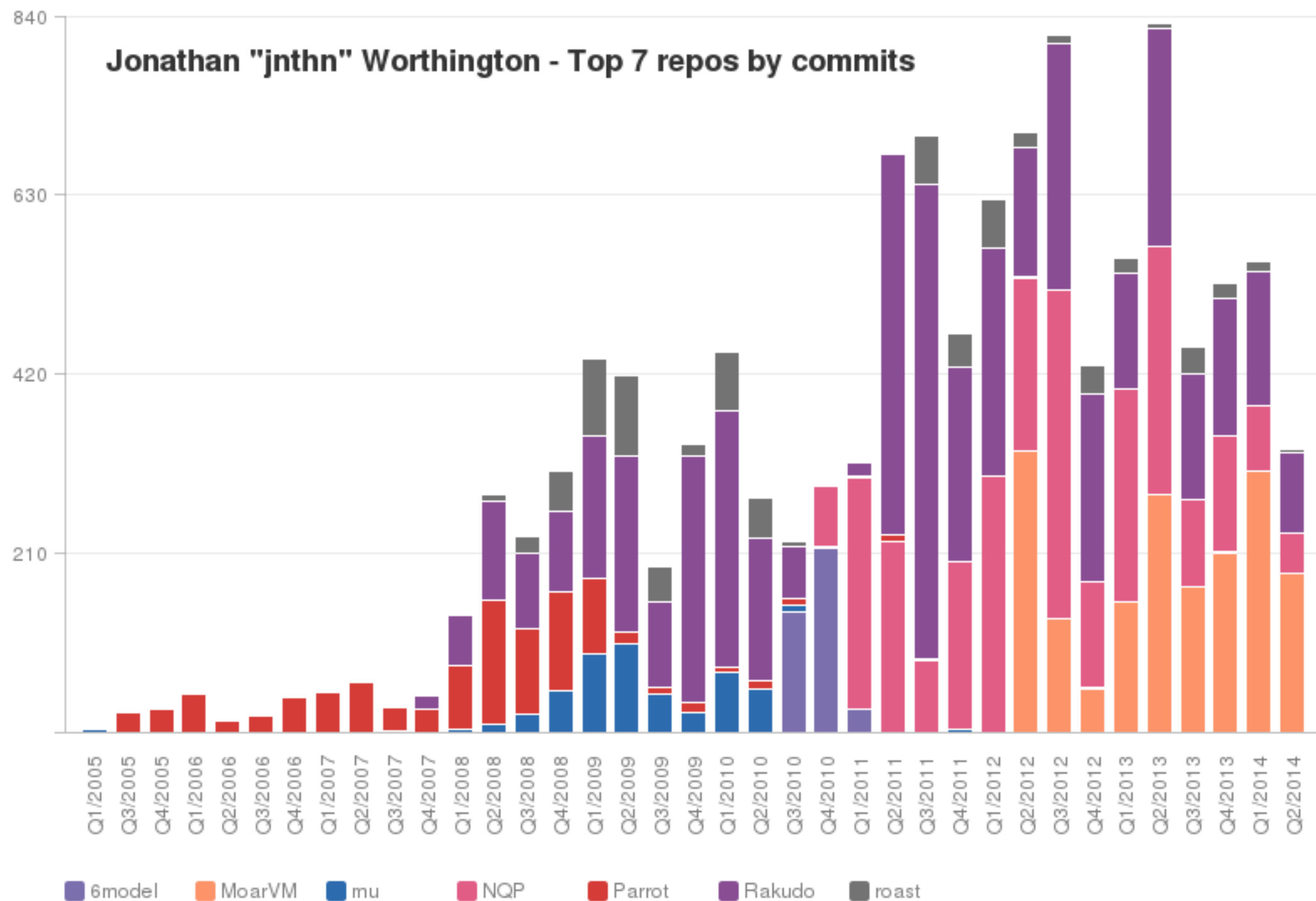






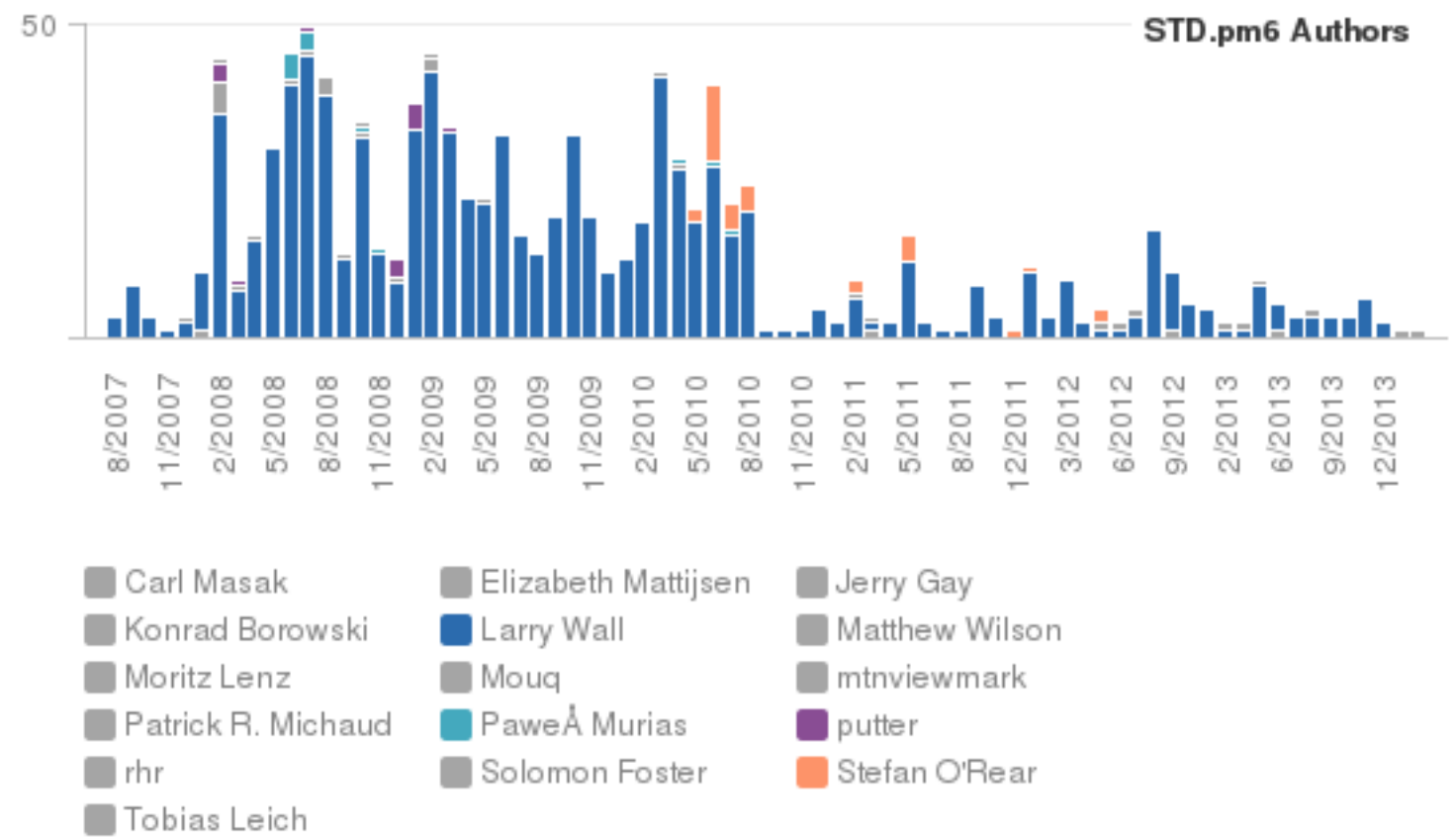
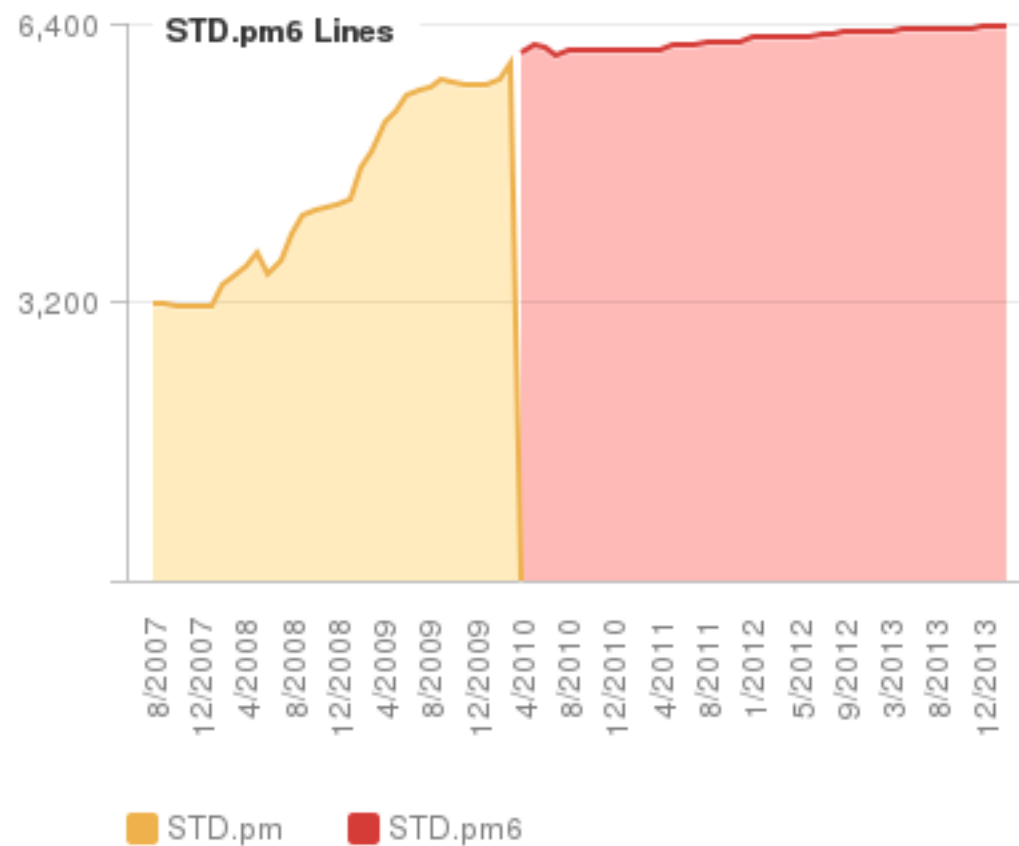
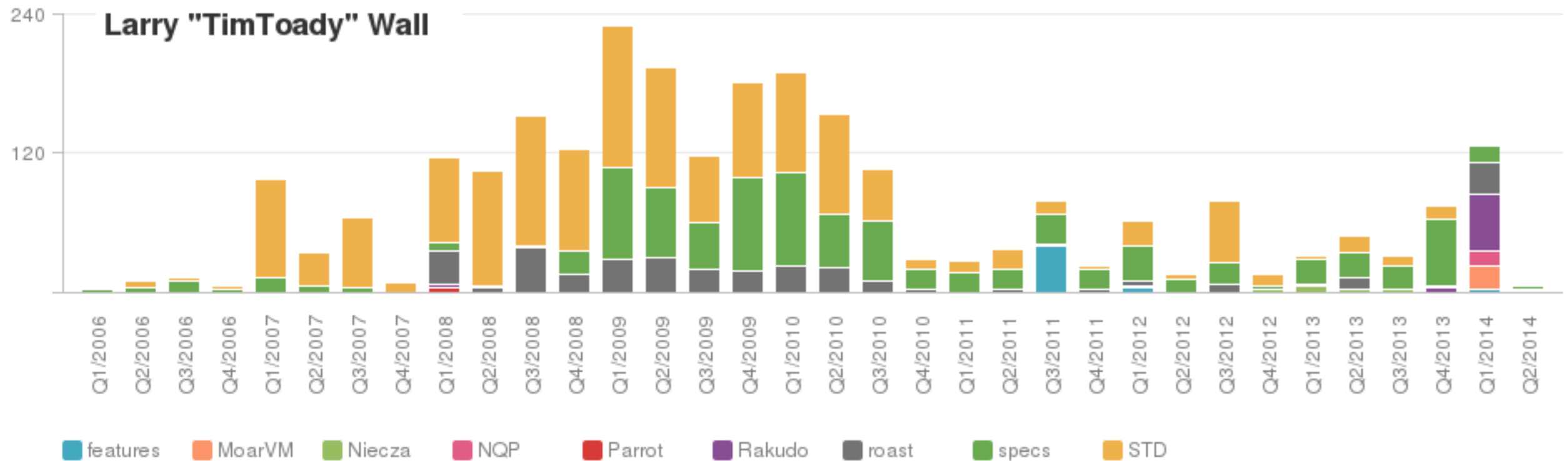


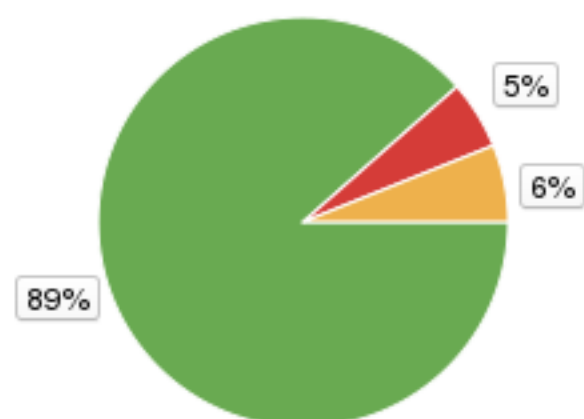




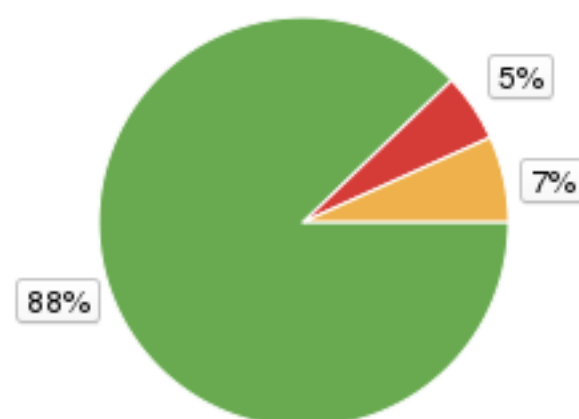
12,187

|              |       |
|--------------|-------|
| Rakudo       | 4,791 |
| NQP          | 2,765 |
| MoarVM       | 1,811 |
| Parrot       | 907   |
| roast        | 742   |
| mu           | 467   |
| 6model       | 382   |
| Debugger::UI | 90    |
| NativeCall   | 65    |
| features     | 29    |
| specs        | 29    |
| JSON::Path   | 24    |
| Test::Mock   | 18    |
| book         | 14    |
| nqp-rx       | 13    |
| Grammar::De  | 8     |
| DBlish       | 5     |
| JSON5::Tiny  | 5     |
| p6doc        | 5     |
| ecosystem    | 4     |
| panda        | 4     |

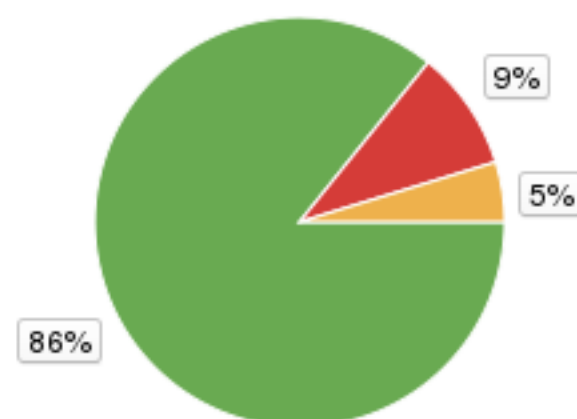




Rakudo JVM



Rakudo MoarVM



Rakudo Parrot

■ implemented ■ missing ■ partial

PROJECT

MoarVM, NQP, Rakudo, roast, specs

DATE DIMENSION (COMMITTER)

2000 - 2014

5

projects

282

authors

34,067

real commits

5

projects

282

authors

34,067

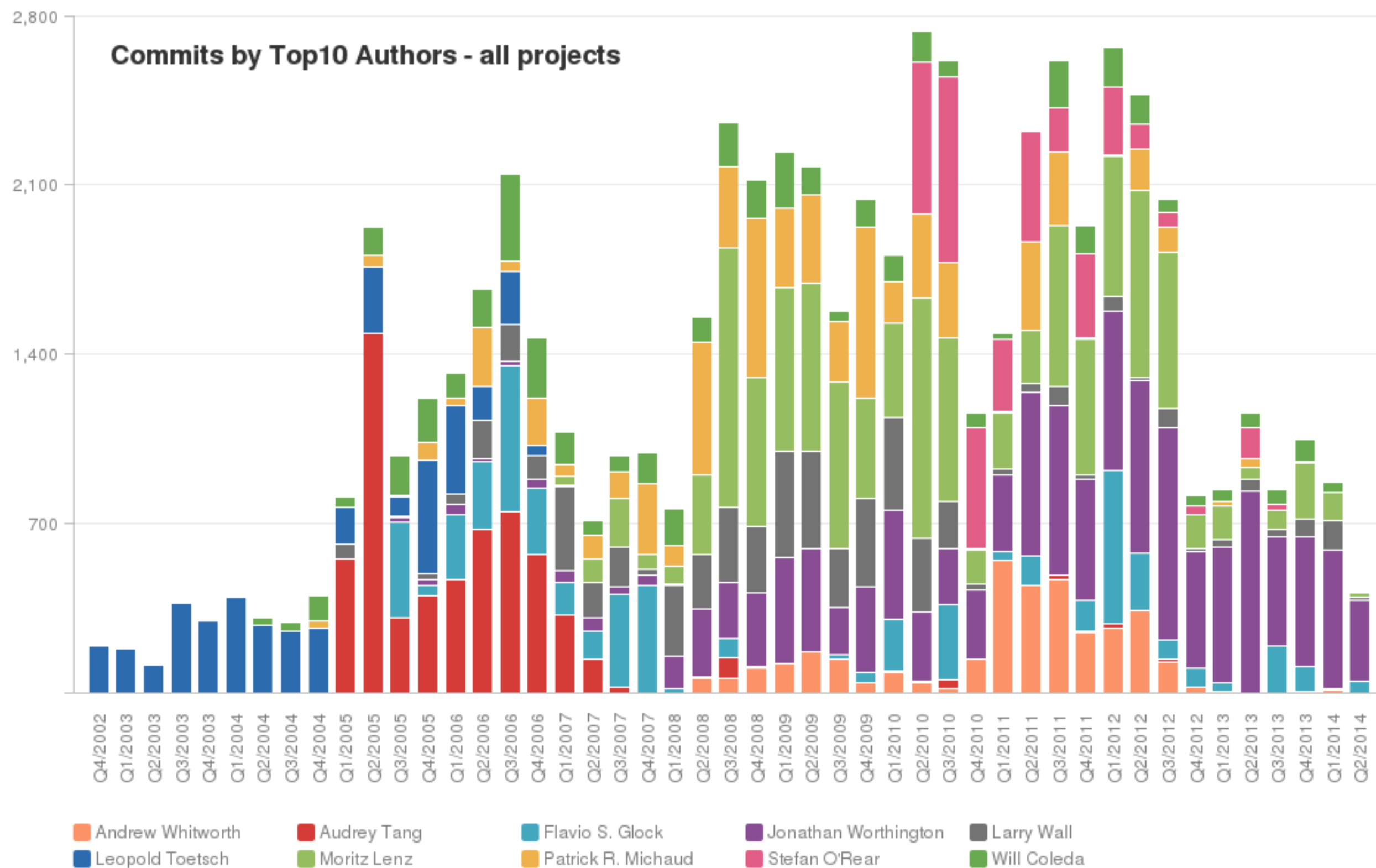
real commits

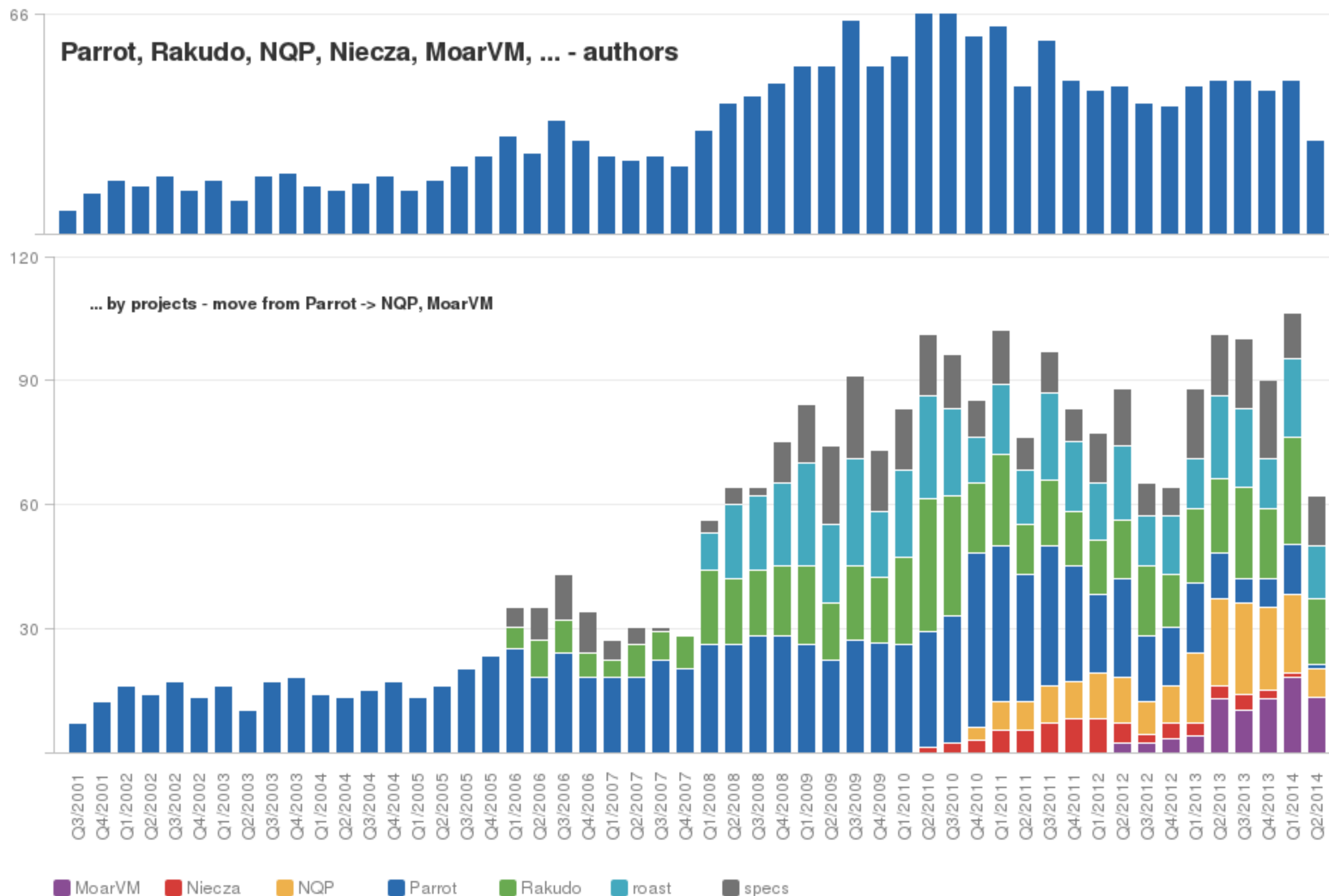


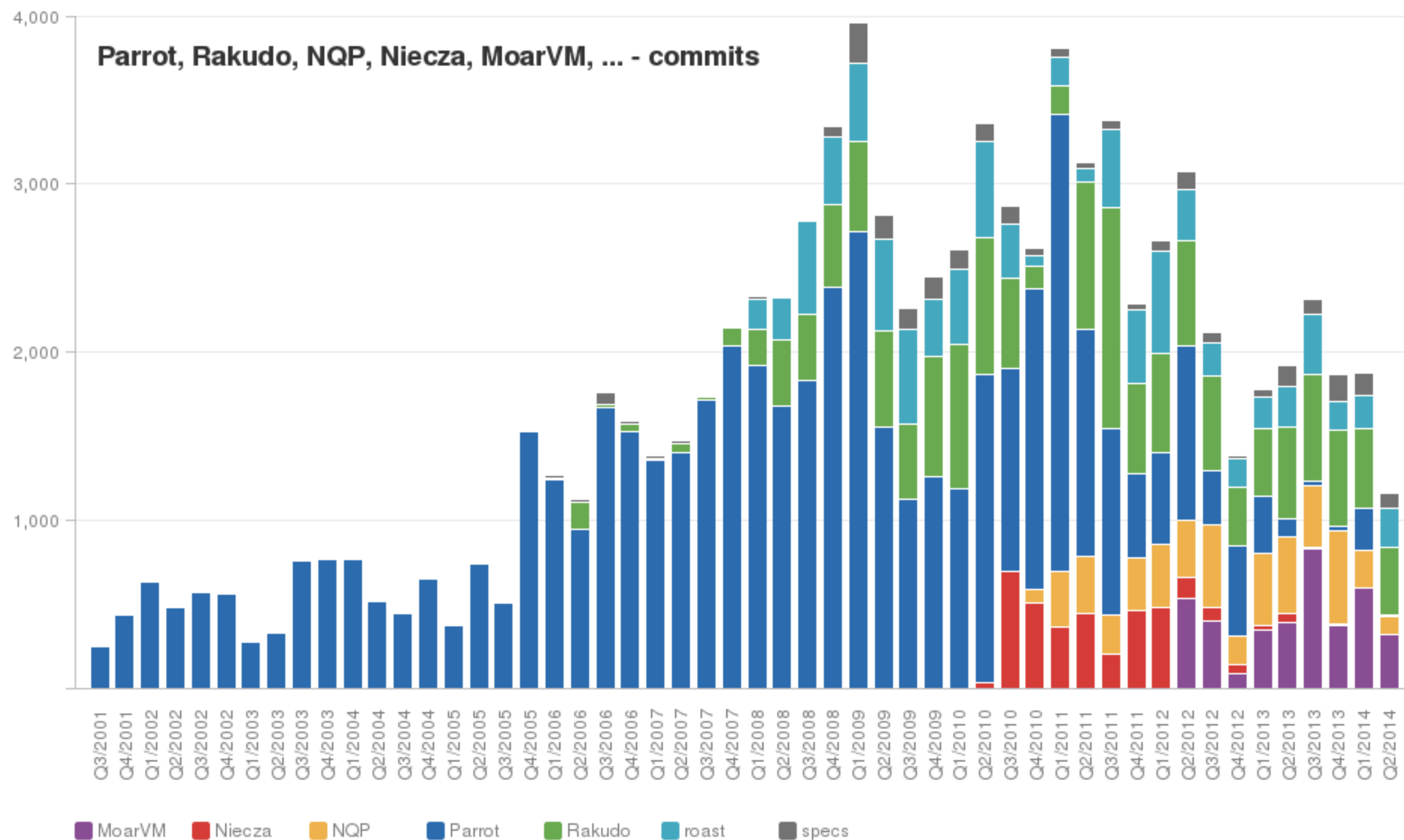


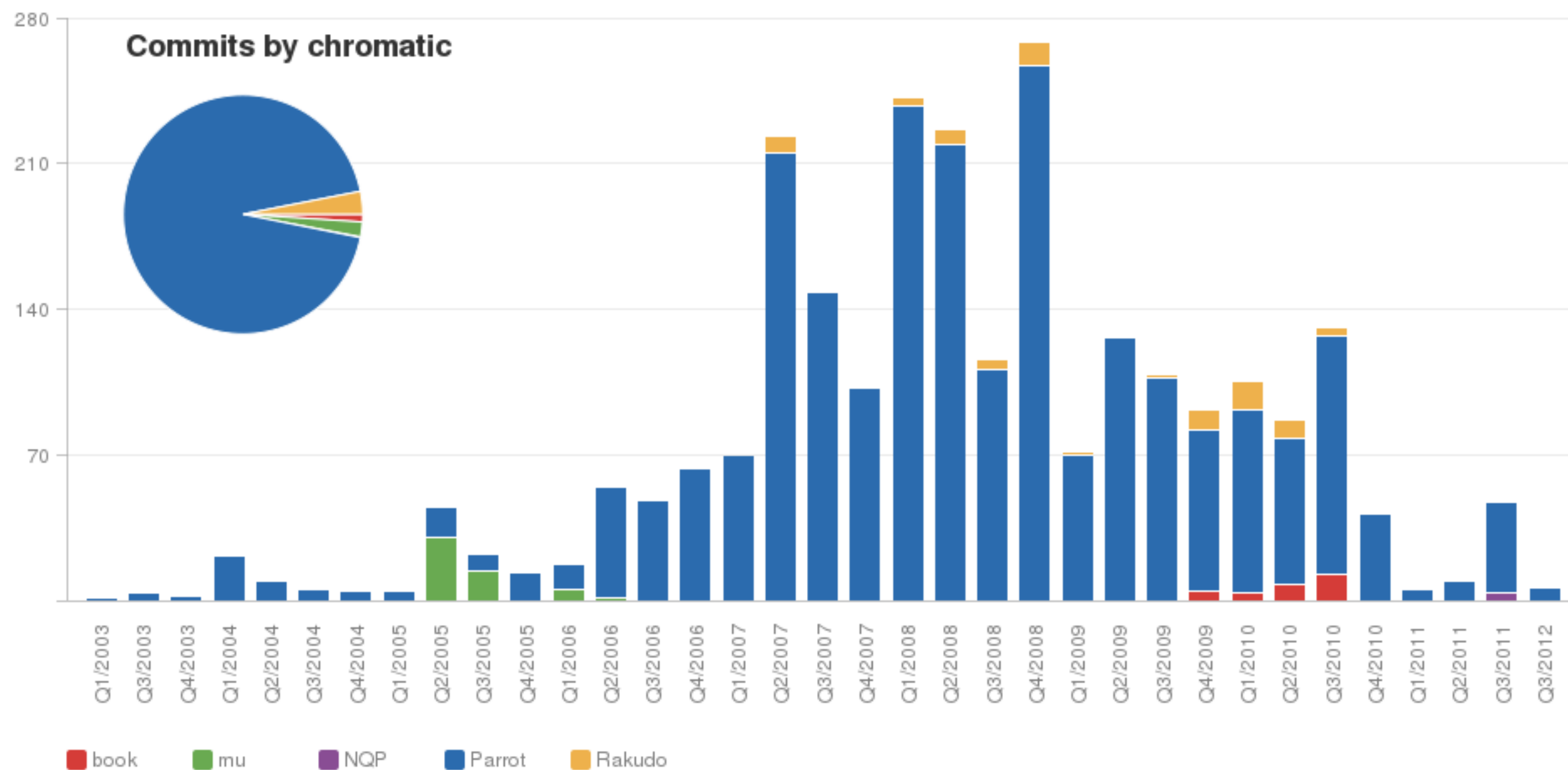
## Rakudo Features















## Rakudo, NQP, MoarVM, specs, roast - authors

MoarVM

NQP

Rakudo

roast

specs

Q1/2006 Q2/2006 Q3/2006 Q4/2006 Q1/2007 Q2/2007 Q3/2007 Q4/2007 Q1/2008 Q2/2008 Q3/2008 Q4/2008 Q1/2009 Q2/2009 Q3/2009 Q4/2009 Q1/2010 Q2/2010 Q3/2010 Q4/2010 Q1/2011 Q2/2011 Q3/2011 Q4/2011 Q1/2012 Q2/2012 Q3/2012 Q4/2012 Q1/2013 Q2/2013 Q3/2013 Q4/2013 Q1/2014 Q2/2014

Carl Masak

Matthew Wilson

Tobias Leich

Elizabeth Mattijsen

Moritz Lenz

Will Coleda

Jonathan Worthington

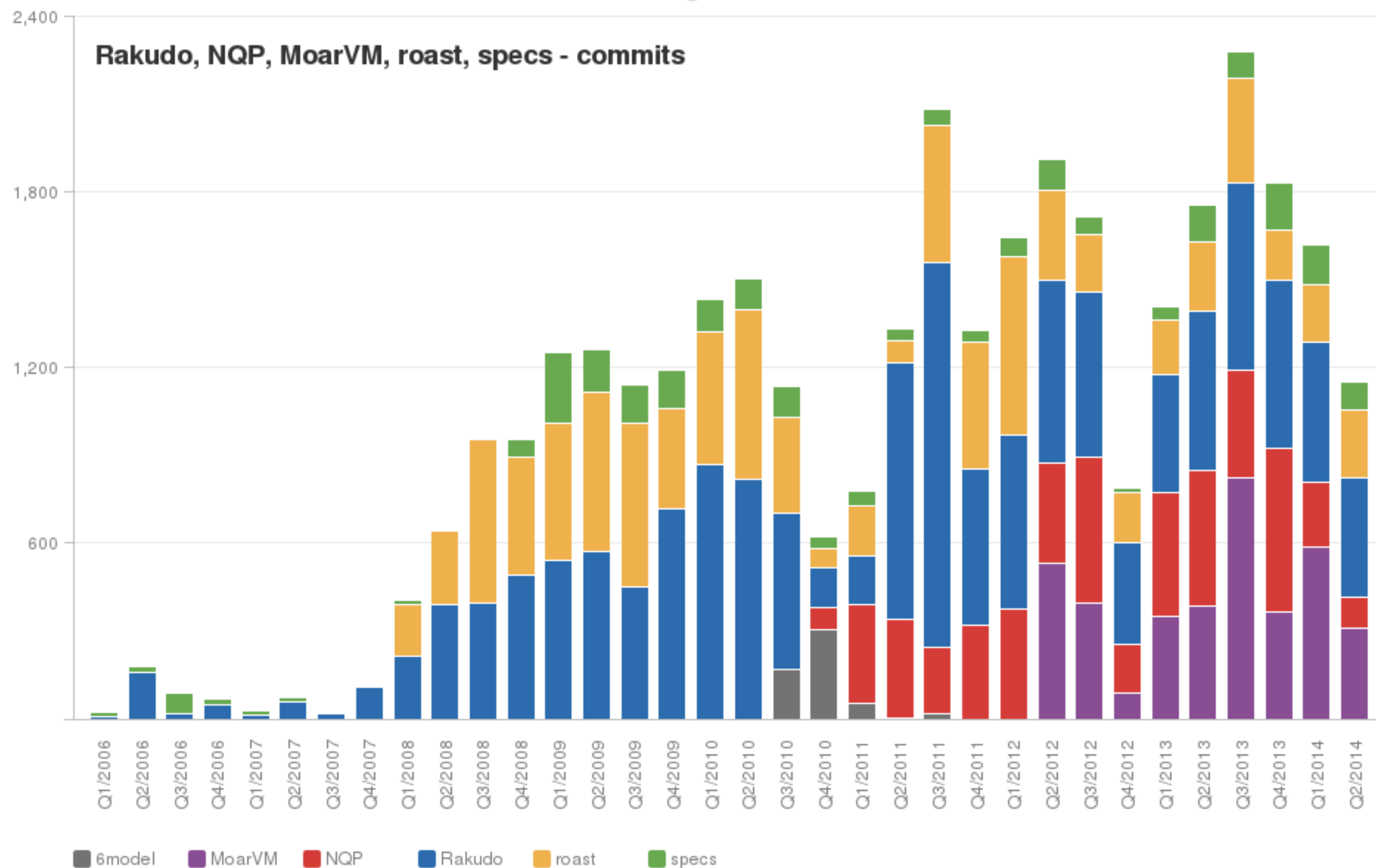
Patrick R. Michaud

Kyle Hasselbacher

Solomon Foster

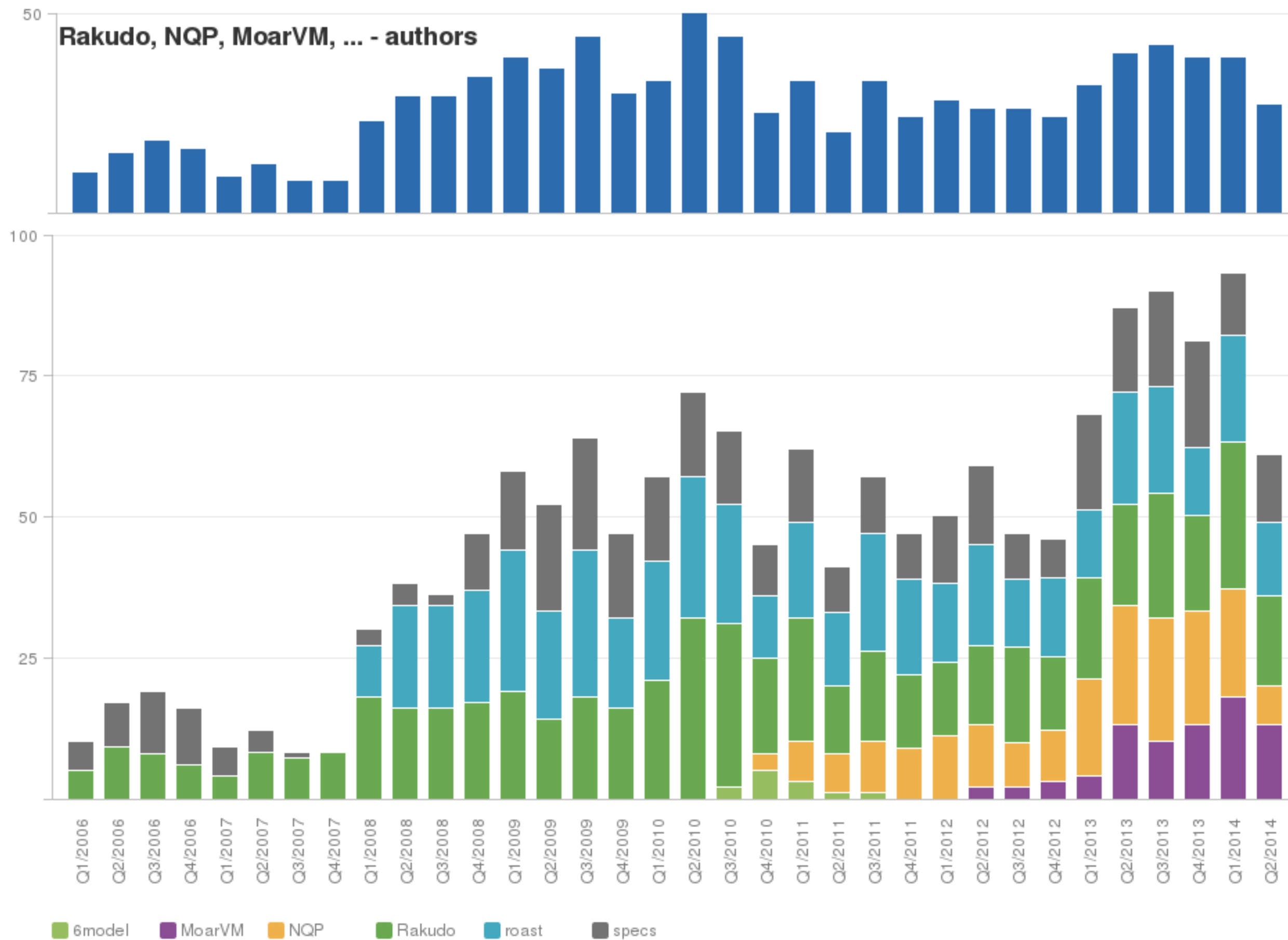
Larry Wall

Timo Paulssen





## Rakudo, NQP, MoarVM, ... - authors



# Thank you! We are hiring!

## GoodData blocks

Special blocks with GoodData logo are used to get input from user. White one logs user in and creates dark gray block that, when hit, selects projects. Light gray block is used to select report and black block draws the chart.



## WHY GOODDATA

**1,000,000**

data integrations per week

**20B**

Rows Under Management

**1**

Delightful Interface

**99.5%**

Uptime SLA

**28k**

Users at one customer

**50+**

PoweredBy Partners

**84.7%**

Adoption

**20,000**

Data Warehouses Under Management

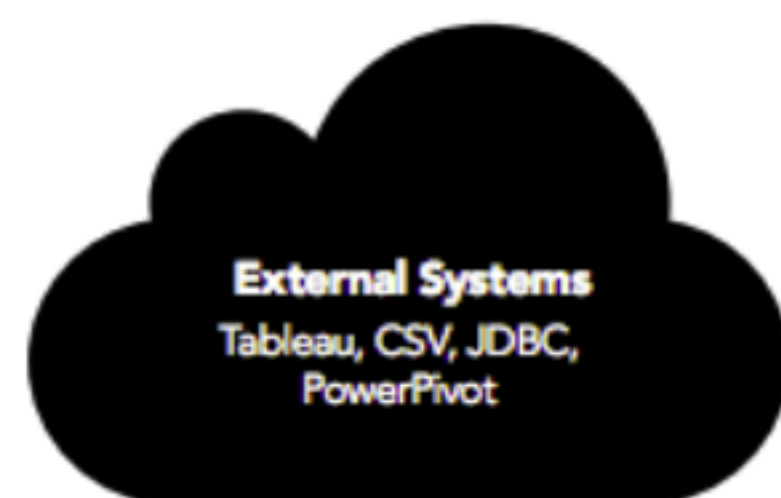
**73,000**

Satisfied Users

**Security Certified**







### Pre-built Templates, Custom and Embedded Analytics

Sales, Marketing, Services, Yammer, Social, Powered By GoodData

### Visualization Layer

Dashboards, ad hoc, analytic explorers,  
HTML5, JavaScript, RoamBI - mobile, email, PDF



### Analytical Engine (XAE)

#### Data Marts

Vertica, PostgreSQL, advanced caching



### Integration, Workflow and Run Time Services

Clover, Ruby, JVM, SQL, R



### Data Storage Service



#### Columnar Storage

Vertica

#### Big Data Storage

S3, CloudFiles, WebDav, Hadoop

Event Processing

Text Processing

Data Cleansing

ETL

GoodData Labs

### GoodData Computing Fabric

Rackspace, OpenStack, encryption, Cassandra

**REST API**  
(HTTPS, SAML, SSO)