

# Visualization of Open Source Projects

Analyzing trends in Github Organizations

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# Open Source Platforms



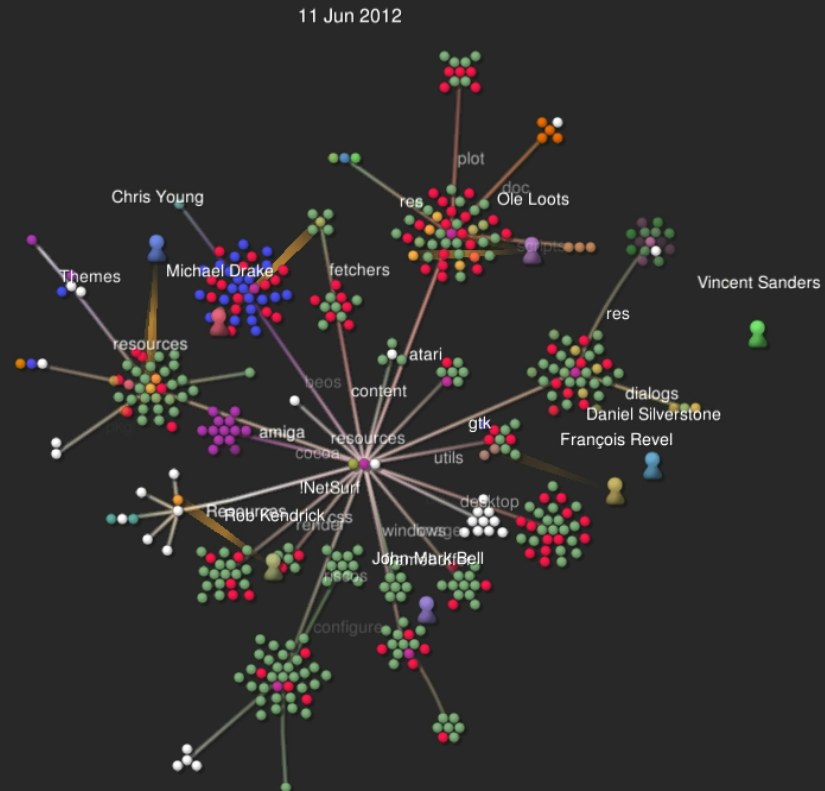
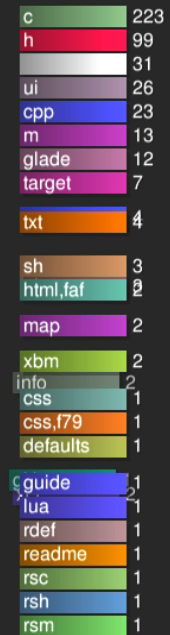
# Why?

```
{
  "id": "2489651051",
  "type": "PushEvent",
  "actor": {
    "id": 3854017,
    "login": "rspt",
    "gravatar_id": "",
    "url": "https://api.github.com/users/rspt",
    "avatar_url": "https://avatars.githubusercontent.com/u/3854017?"
  },
  "repo": {
    "id": 28671719,
    "name": "rspt/rspt-theme",
    "url": "https://api.github.com/repos/rspt/rspt-theme"
  },
  "payload": {
    "push_id": 536863970,
    "size": 1,
    "distinct_size": 1,
    "ref": "refs/heads/master",
    "head": "6b089eb4a43f728f0a594388092f480f2ecacfd",
    "before": "437c03652caa0bc4a7554b18d5c0a394c2f3d326",
    "commits": [{
      "sha": "6b089eb4a43f728f0a594388092f480f2ecacfd",
      "author": {
        "email": "julien@rspt.ch",
        "name": "rspt"
      },
      "message": "Fix main header height on mobile",
      "distinct": true,
      "url": "https://api.github.com/repos/rspt/rspt-theme/commits/6b089eb4a43f728f0a594388092f480f2"
    }]
  },
  "public": true,
  "created_at": "2015-01-01T15:00:01Z"
}
```

Past Work

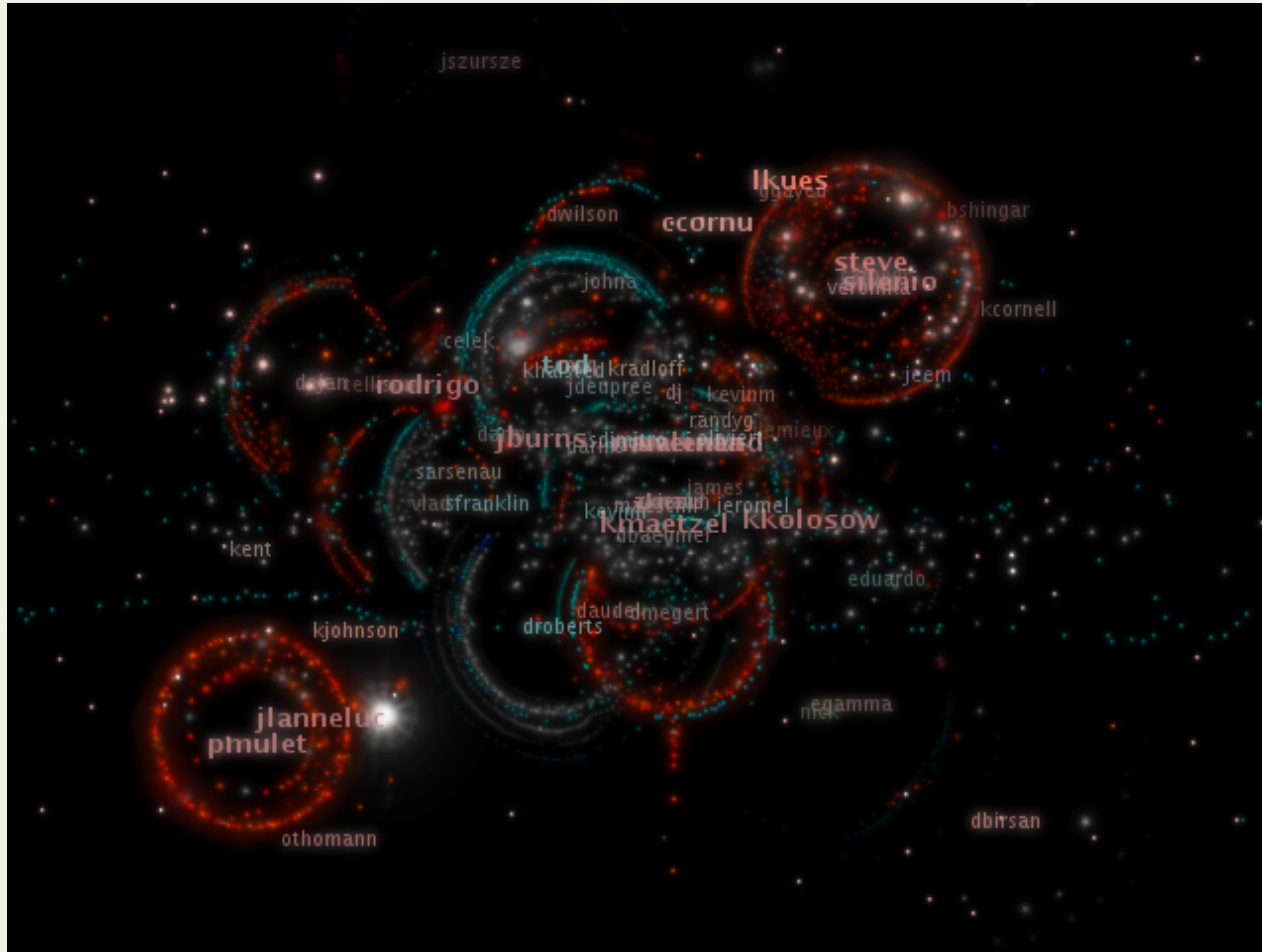
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# Gource

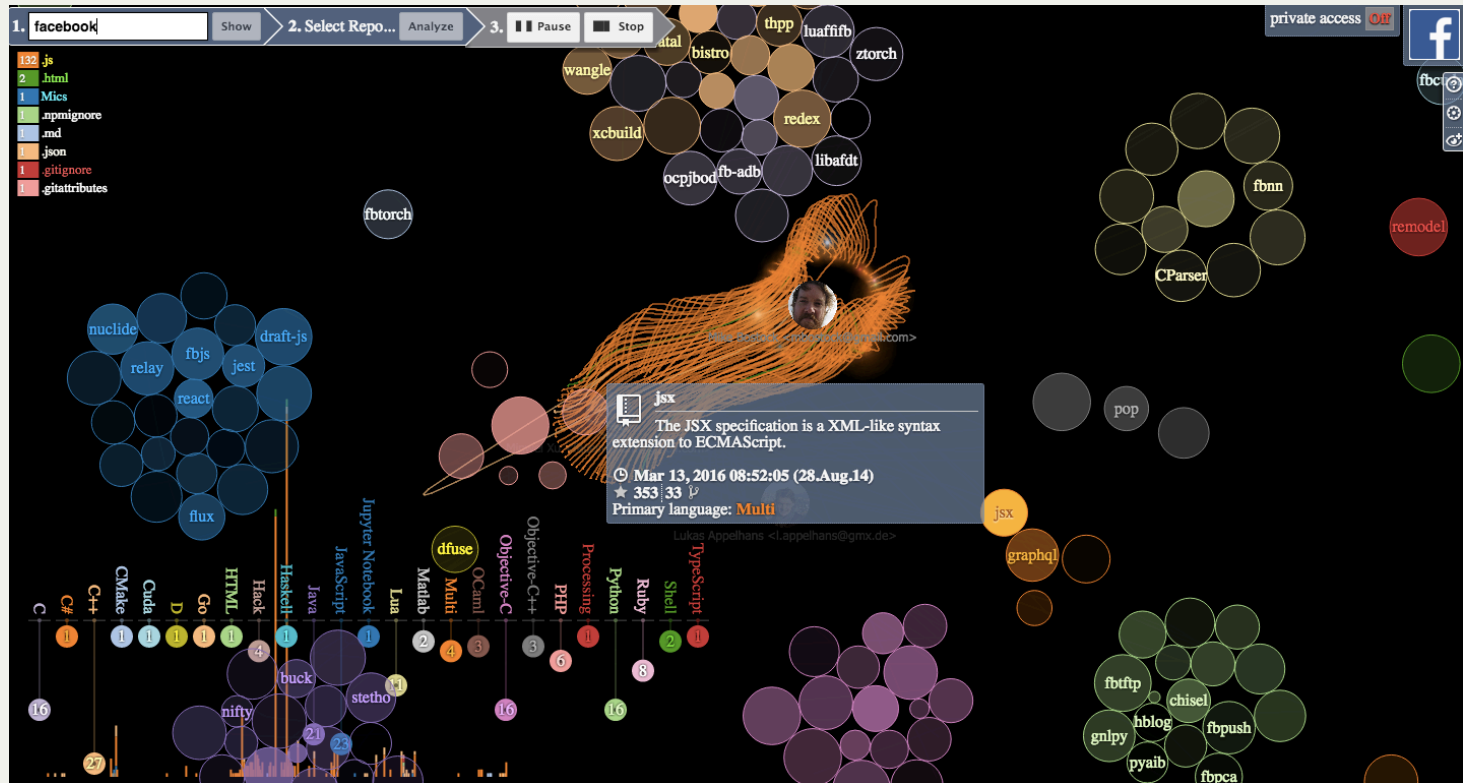


## NetSurf Development

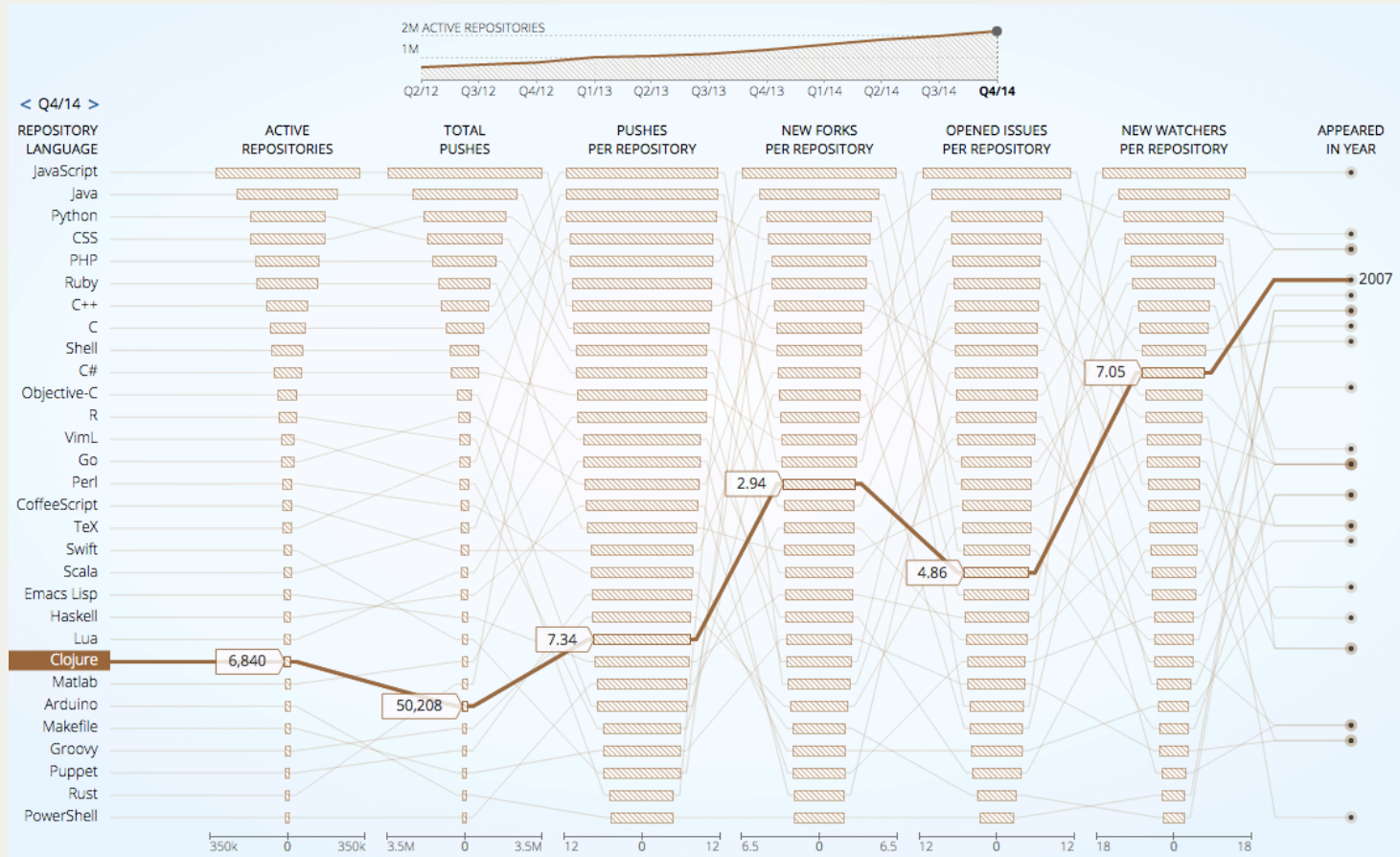
# Code Swarm



# Github Visualizer



# Githut





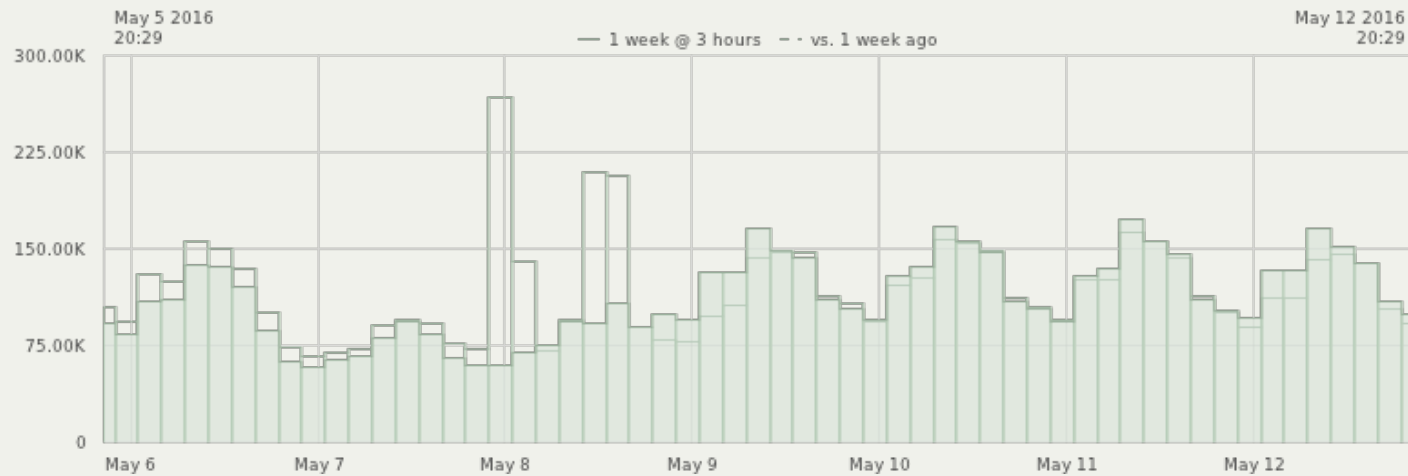
How?

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# Github API



# Github Archive



## Query

## Command

Activity for 1/1/2015 @ 3PM UTC

```
wget http://data.githubarchive.org/2015-01-01-15.json.gz
```

Activity for 1/1/2015

```
wget http://data.githubarchive.org/2015-01-01-{0..23}.json.gz
```

Activity for all of January 2015

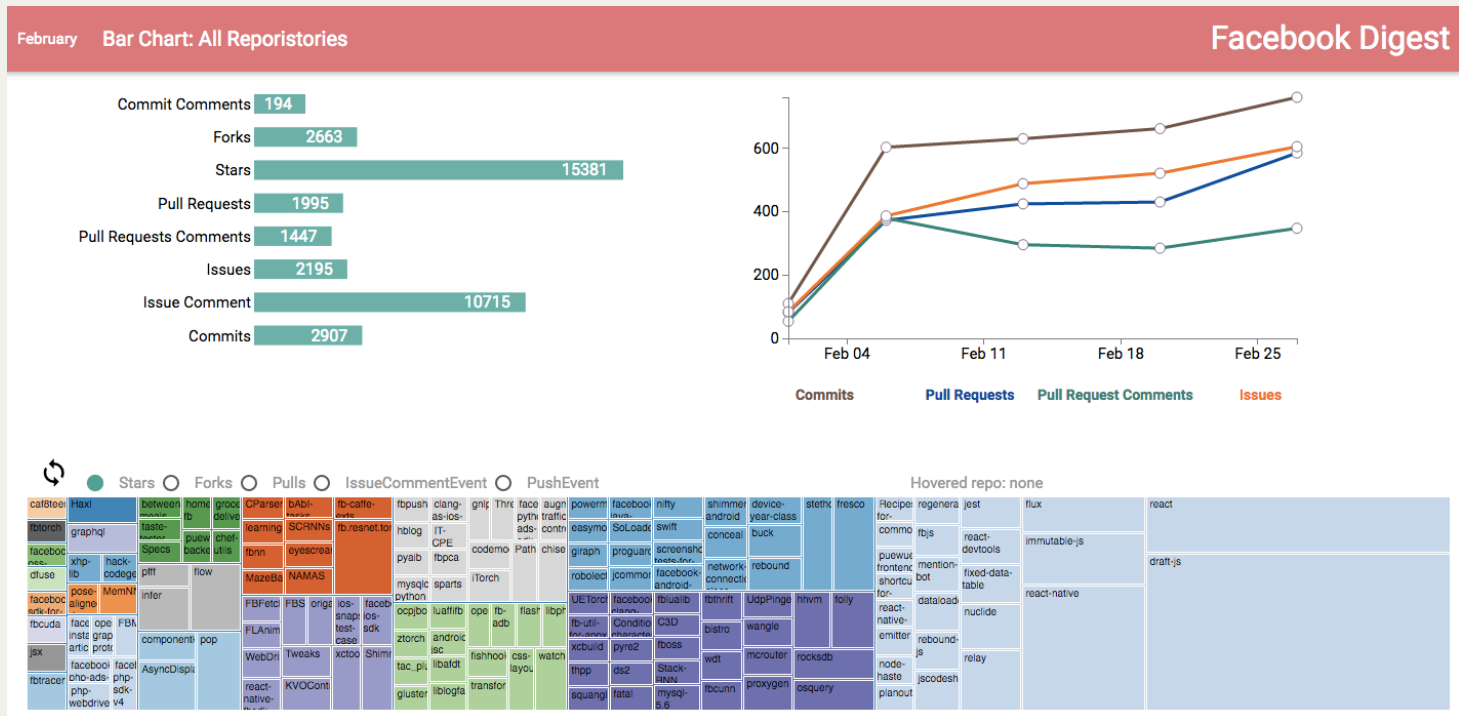
```
wget http://data.githubarchive.org/2015-01-{01..30}-{0..23}.json.gz
```

[illegible]

What?

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# Facebook Open Source Digest

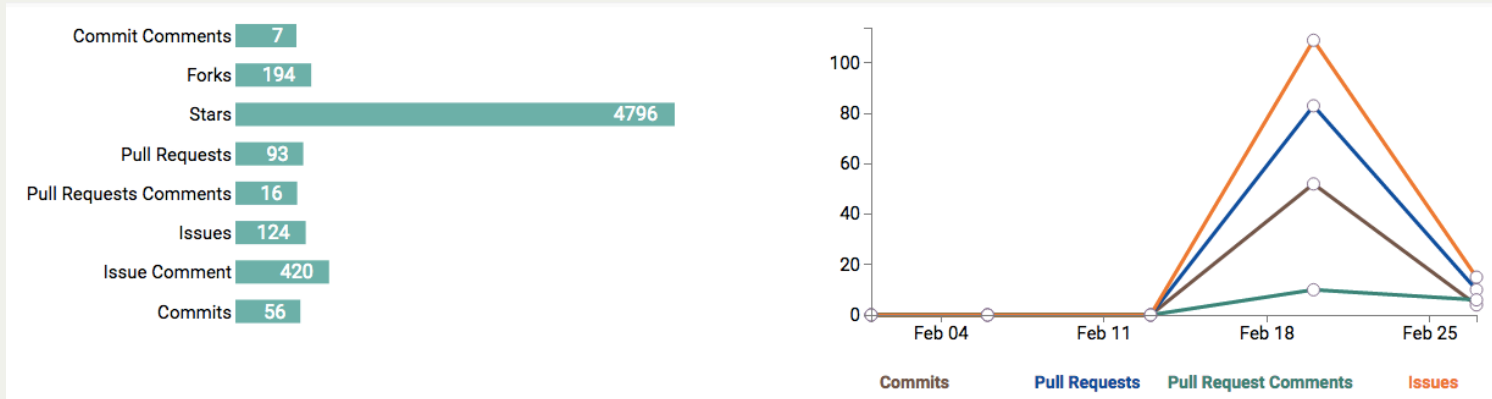


[Live Demonstration!](#)

So What?

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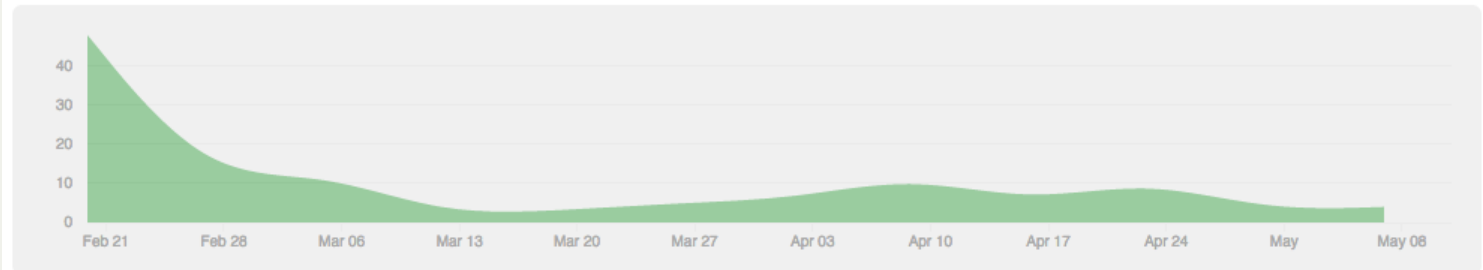
# Correlations?



Feb 21, 2016 – May 12, 2016

Contributions: **Commits** ▾

Contributions to master, excluding merge commits





▲ **Draft.js – Rich Text Editor Framework for React** ([facebook.github.io](https://facebook.github.io))  
592 points by tilt 81 days ago | [past](#) | [web](#) | [112 comments](#)



Future Work

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# Custom Date Picker

 2016/04/14 - 2016/05/13 

Today

Yesterday

Last 7 Days

Last 30 Days


This Month


Last Month

Custom Range

Apply

Cancel

 04/14/2016

 05/13/2016

<

Apr 2016

>

Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

May 2016

>

Su	Mo	Tu	We	Th	Fr	Sa
24	25	26	27	28	29	30
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

Questions?

