What I Learned From Being Open Source

@Ovilia

开源精神之我见

2019-09-17

GitHub Profile

Busy days

Ovilia

Ovilia

Developer Program Member

Edit profile

Creative Web Developer & Designer

Shanghai, China

me@zhangwenli.com

http://zhangwenli.com

Organizations

Overview | Repositories 70 | Projects 0 | Packages 0 | Stars 441 | Followers 9.1k | Following 180

Pinned

Customize your pins

ovilia.github.io

Ovilia's personal site

JavaScript ★ 589 130

lipstick

口红颜色可视化 - 为什么你的女神总缺一支口红

JavaScript ★ 1.3k 155

Polyvia

Low-Poly Image and Video Processing

JavaScript ★ 828 112

2019-typography-calendar

2019 字体日历 App

TypeScript ★ 317 27

ThreeExample.js

《Three.js 入门指南》书例代码

JavaScript ★ 906 310

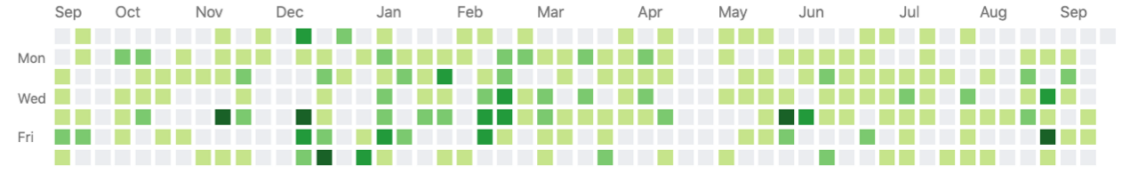
moonight

音频手绘可视化 - 今夜月色真美

TypeScript ★ 198 11

778 contributions in the last year

Contribution settings



Learn how we count contributions.

Less More

2019

2018

2017

2016

2015

About Me

- A Podling Project Management Committee of Apache ECharts (Incubating)
- An active open source contributor

关于羡辙

- ECharts 在 Apache 软件基金会孵化的孵化管理委员会成员之一
- 活跃的开源社区贡献者

Agenda

- My personal open-source projects
- How we do open-source with ECharts

日程

- 我的个人开源项目
- ECharts 是如何做开源项目管理的

Toy Projects

I Made On GitHub

https://github.com/Ovilia

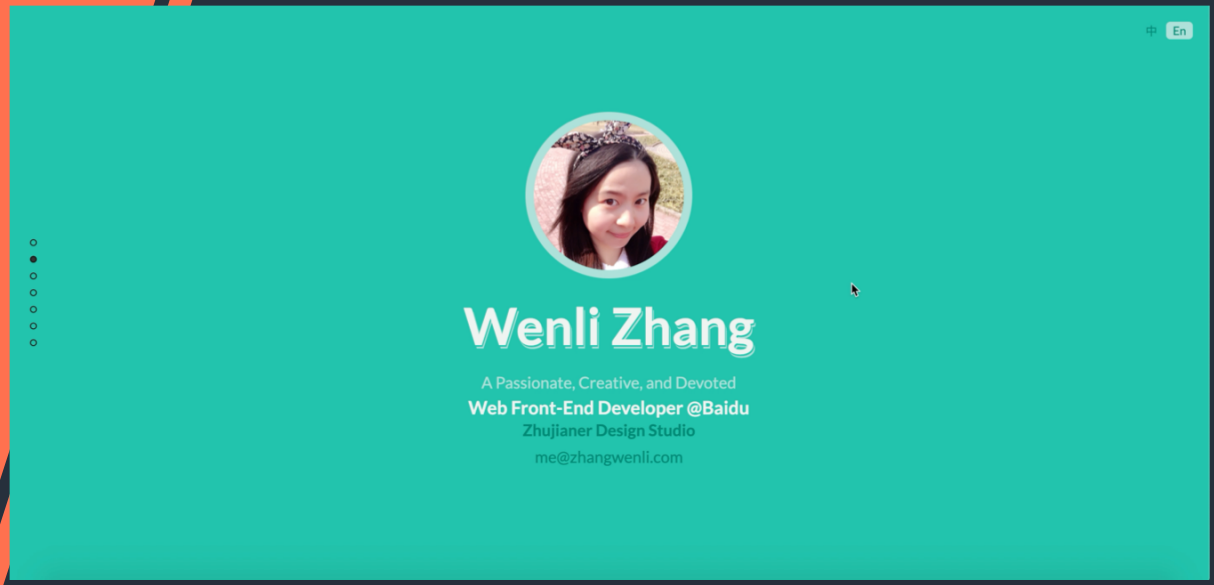
我在 GitHub 上开发的

「玩具」项目们

It all started with a CV project...

- 5 years ago, when I was looking for a Web front-end job
- I thought instead of sending CV to limited companies I could possibly know about, why not make an online CV and let companies find me?
- It turns out to be a huge success...
- with 120,000 UV since 2014
- and 60,000 UV before I find a job in 2016

https://github.com/Ovilia/cv



一切要从个人简历项目说起……

Old-School Pixel-art Personal Website

https://github.com/Ovilia/ovilia.github.io

怀旧像素风个人主页

https://zhangwenli.com

Sunglass

https://github.com/Ovilia/sunglass

Input Image	Input Palette	Output Image

2019 Typography Calendar

https://github.com/Ovilia/2019-typography-calendar

2019 字体日历

Open Source ≠ Free

开源 ≠ 免费

font2img.js

- Some fonts forbids embedded usage
  - So font files cannot be included in the app
  - Solution: To generate images from the fonts
- font2img.js: a command line npm tool to generate images from TTF files

font2img.js

https://github.com/Ovilia/font2img.js

- 有些字体的版权禁止在 App 中内嵌
  - 这意味着我不能直接引用字体文件
  - 解决方法：用命令行工具生成截图
- font2img.js：一个可以从字体文件生成截图的 npm 命令行工具

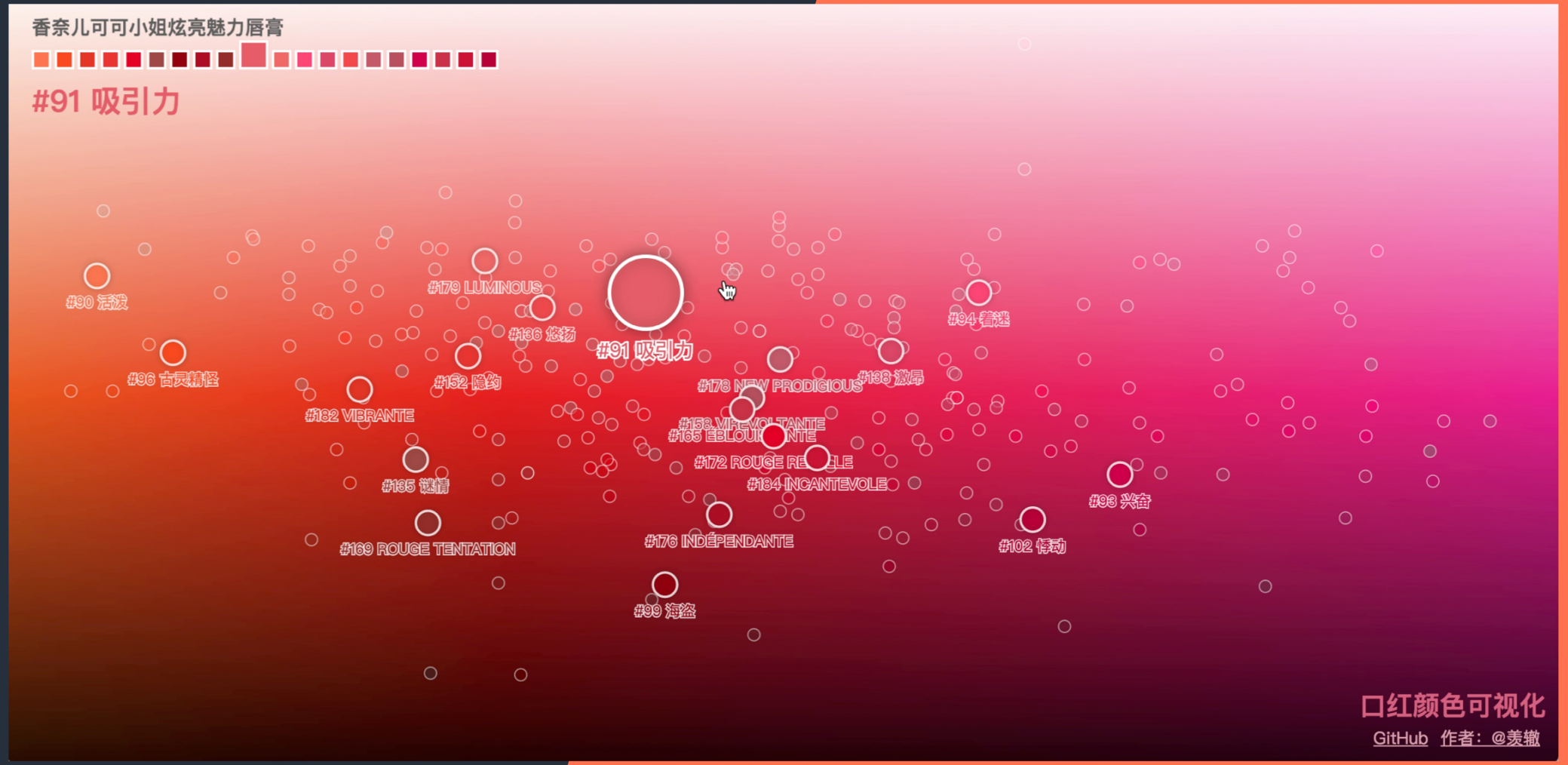
```
$ font2img --help
Usage: font2img [options]

Options:
  -f, --font-path <path>         The TTF font path
  -o, --output <path>            The output image path
  -t, --text <text>              Text
  -c, --color <color>            Text color, which Canvas setFillStyle supports
  -s, --font-size <size>         Font size, can be "12px" or other forms that Canvas supports
  -w, --canvas-width <number>    Canvas width, in pixels
  -h, --canvas-height <number>   Canvas height, in pixels
  --dpr <number>                 Canvas DPR, output scales
  -x, --offset-x <number>        Text horizontal offset
  -y, --offset-y <number>        Text vertical offset
  -b, --bleeding <number>        Bleeding pixels
  -h, --help                     output usage information
```

Lipstick Color Visualization

https://github.com/Ovilia/lipstick

口红可视化

为什么你的女神总缺一支口红



Being open source means to be

confident

enough to show your code,

but at the same time, to be

humble

enough to get criticized.

开源意味着

有公布自己代码的

自信

但同时，

也有接受评议的

谦虚

Why did I make these toys?

- Mainly because I think it's cool...
- or to solve my own problems

- Being a programmer is just one part of my life
- I wish to be a cool person beyond that fact
- GitHub provides a possibility to show one side of who you are besides providing those popular and valuable projects

所以……
做这些「玩具」项目，到底有什么

意义？

- 主要是因为好玩……
- 或者是为了解决我自己的需求

- 程序员只是我的身份之一
- 做一个充实有趣的人，才是我真正的追求
- 在我看来，GitHub 除了提供那些为大量用户创造价值的项目之外，也是个人表达自我的平台之一

Apache ECharts (incubating)

A JavaScript Visualization Tool And More...

Milestones

Oct. 2012

Project Started by @kener inside Baidu (China) Co., Ltd.

Jun. 2013

Open Sourced; Released v1.0

Jun. 2014

Released v2.0

Jan. 2016

Released v3.0

Jan. 2018

Start incubating at the Apache Software Foundation;
Released v4.0

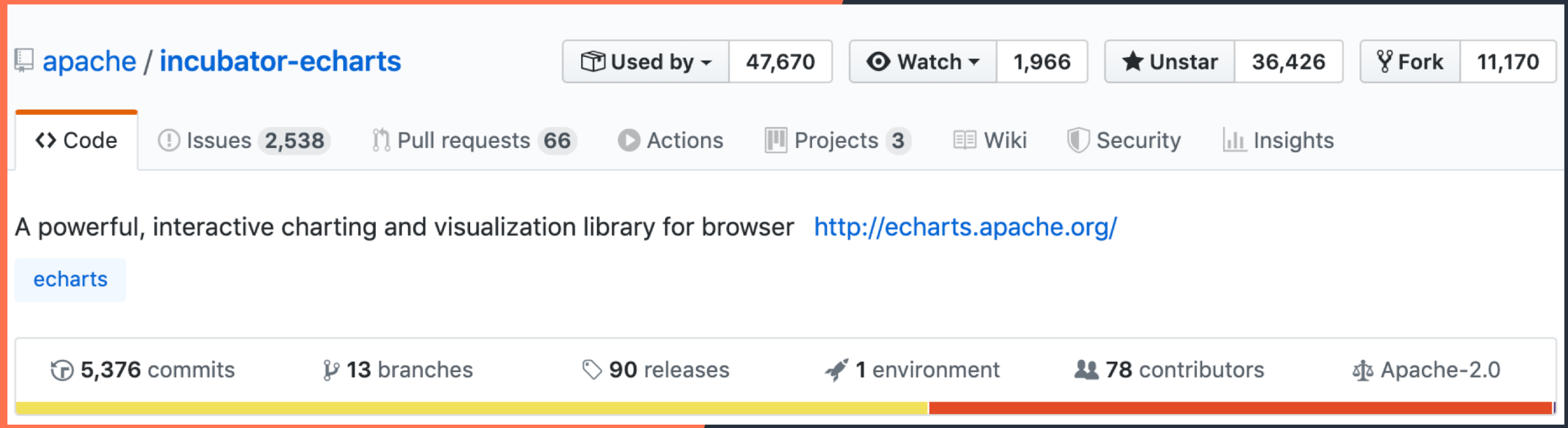
ECharts: Why Open Source

- Benefit more people
  - Avoid re-creating similar tools
  - Ready-to-use
  - Easy to modify
- Why open sourced under software foundation rather than company
  - To let more people join
  - To prevent the potential of being out of maintenance due to personal reasons of core committers
  - To grow with the help of the experience of open-source foundation

ECharts 开源的价值

- 让有价值的产品被更多人复用
  - 避免造同样的轮子
  - 拿来就能用
  - 上手就能改
- 从公司项目走向开源基金会
  - 让更多人愿意参与
  - 避免由于核心开发者私人因素影响项目健康发展
  - 借鉴开源基金会的经验，帮助项目更有活力

ECharts at GitHub



Challenge: limited contributors vs. extensive users

挑战：有限的贡献者 vs. 大量的使用者

CASE 1:

Extensive Irregular

New Issues Everyday on GitHub

- Missing information like how to reproduce, what is expected...
- In most cases, this is due to lacking the knowledge of what they should provide in an issue
- So, we made a GitHub issue template and a bot to do the job

每天新增大量不规范的 GitHub Issues

- 缺失诸如如何复现、期望得到什么样的效果等信息
- 大多数时候是因为提问者不知道需要提供哪些信息
- 所以我们创建了一个 GitHub issue 模板和一个 issue 机器人进行管理

I am opening an issue in

English

This is a

Bug Report | Feature Request

Issue title

Version

Check if the issue is reproducible with the latest stable version of ECharts.

Link to minimal reproduction (optional)

If the reproduction does not need a build setup, please provide a link to a JSFiddle, JSBin or CodePen. If it requires a build setup, you can use CodeSandbox or provide a GitHub repo.

What is a *minimal reproduction*, and why is it required?

Please do not just fill in a random link. We will close your issue if you do that.

Steps to reproduce

What do we need to do after opening your repro in order to make the bug happen? Clear and concise reproduction instructions are important for us to be able to triage your issue in a timely manner. Note that you can use Markdown to format lists and code.

What is expected?

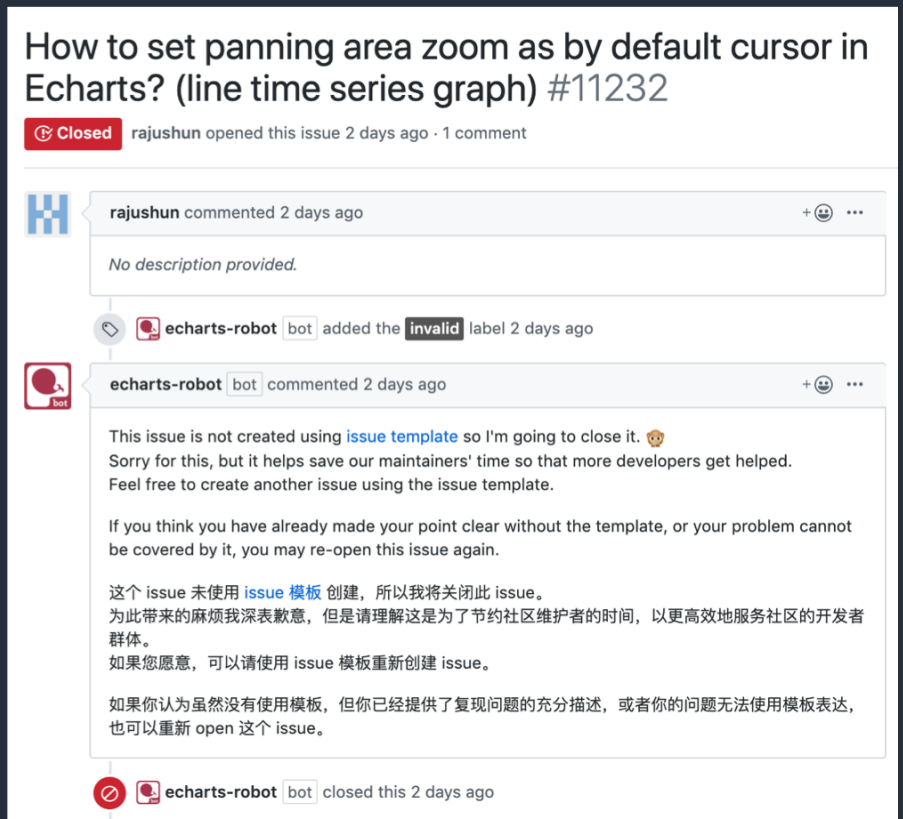
What is actually happening?

Any additional comments? (optional)

e.g. some background/context of how you ran into this bug.

GitHub Template & Bot

- Template forked from vuejs/vue-issue-helper
- <!-- This issue is generated by echarts-issue-helper. DO NOT REMOVE -->



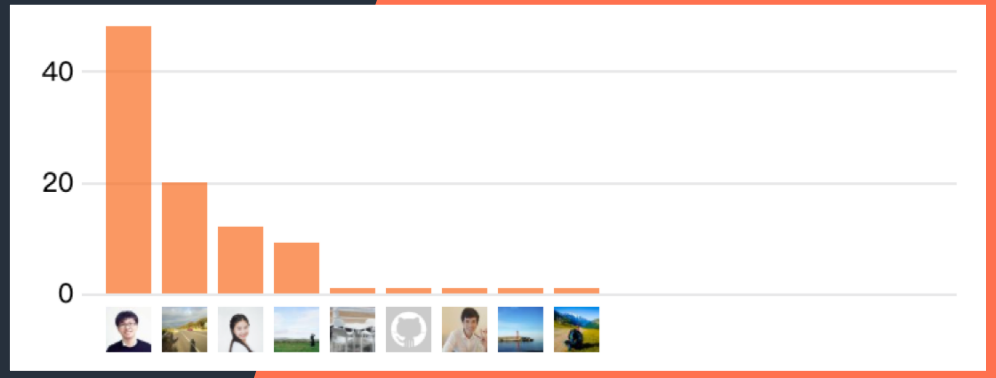
CASE 2:

How to get more help from the community?

- extensive users
  - npm weekly download: 120k
- limited contributors
  - contributors of last month: 9

如何让更多人参与社区贡献？

- 大量的使用者
  - npm 每周下载量：12万
- 有限的贡献者
  - 在过去的一个月中有参与核心项目代码贡献的人：9



CASE 2:

How to get more help from the community?

- Public all code discussion and decision-making
  - welcome to subscribe
  - dev-subscribe@echarts.apache.org
- More detailed documents
- Appreciate non-code contribution like test, document-fixing

如何让更多人参与社区贡献？

- 所有的代码讨论和决策都是公开的
  - 欢迎订阅邮件组加入我们的讨论
  - dev-subscribe@echarts.apache.org
- 更详细的文档
- 对非代码贡献（测试、文档修复等）也给予肯定与感谢

CASE 3:

How to let the community help?

- We add “difficulty: easy” labels to issues that are easy to be fixed
- The bot adds “en” labels to English issues for filtering
- More detailed explanation in pull requests when something is wrong

如何让愿意贡献的人参与贡献？

- 对容易修复的 issue 添加“difficulty: easy”标签
- 对英文 issue 添加“en”标签
- 对有问题的 pull request 更详细地进行解释与指导

Contributor, WHY ME?

从开源受益者
到开源贡献者

Why to contribute?

- To solve your own problem
  - Waiting for others to fix it could take a very long time
  - Core committers may have other schedule for what they think are of a higher priority
- To keep the upstream fixed
- To make the project healthier
- To earn merit from the community
- To have a huge “plus” in job interviews

为什么要对开源项目做贡献？

- 解决自己碰到的问题
  - 等待别人修复可能遥遥无期
  - 核心维护者可能忙于他们认为更高优的需求
- 保持上游项目的正确性
- 使项目发展更健康
- 获得社区认可，赢得个人声誉
- 求职时作为加分项

How to become an Apache Committer?

- Contribute whatever you can
  - Code
  - Document-fixing
  - Help others in GitHub issues
  - Discussing in Mailing list
  - ...
- After some while, the ECharts team will have a vote
- And invite you if the vote passes

如何成为 Apache 项目的 committer？

- 以任何形式对项目进行贡献
  - 代码维护
  - 文档修复
  - 回复别人 issue 中的问题
  - 参与 Mailing list 讨论
  - ……
- 经过一段时间的「刷脸」，ECharts 会发现并对你的加入进行投票
- 如果投票通过就会收到邀请

Thanks!

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