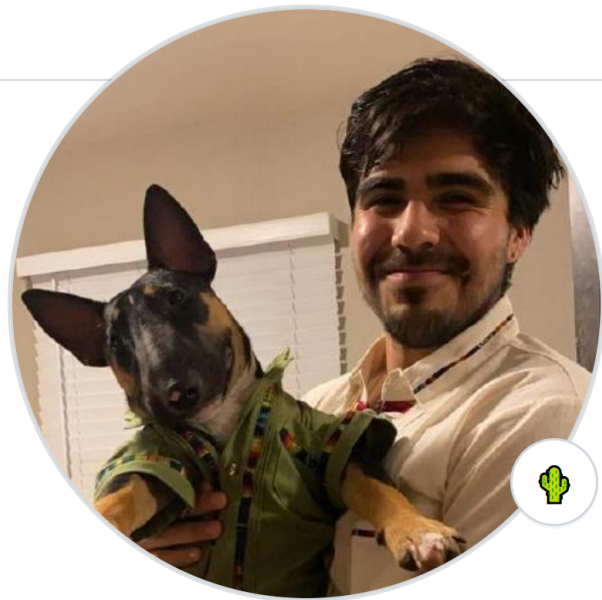


Open-Source Development

Growing Business Use



Presenter: Elmer Camargo



Elmer Camargo

flapjackstan



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flapjackstan / README.md



Elmer Camargo - flapjackstan

I'm a data scientist at the LA County Department of Public Health helping maintain the [COVID-19 Vaccine Dashboard](#) and it's associated data pipeline - 🧑‍💻 📊

When I'm not working my dayjob I switch between studying for my Masters degrees (MS/MBA), lifting weights, and watching tv with my girlfriend and 3 dogs - 🎓 🏋️‍♂️ 🐕 🐕 🐕

Years from now I would like to teach/tutor middle school and highschool after school programs. Being part of Regional Occupational Program (ROP) in highschool really helped shape my future and would like to pay it back - 🧑‍🎓 🏠

Get in touch

- LinkedIn: <https://www.linkedin.com/in/elmer-camargo-datasci/>

Two Ideas!

What is open-source development?

Why are companies using it?



Jim Hester

jimhester

Follow

🔗 1.5k followers · 8 following

🏢 @Netflix

📍 Cleveland, Ohio

✉ james.f.hester@gmail.com

🔗 <http://www.jimhester.com>

🐦 @jimhester_

- Works at Netflix
- Has many community followers
- Seems to be really into R



[Pulls](#)[Issues](#)[Marketplace](#)[Explore](#)

radiant-rstats

A browser-based interface for business analytics in R (with Shiny)

<https://radiant-rstats.github.io/docs/> radiant@rady.ucsd.edu

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Popular repositories

radiant

Public

Business analytics using R and Shiny. The radiant app combines the menus from radiant.data, radiant.design, radiant.basics, radiant.model, and radiant.multivariate.

 R  376  118

docker

Public

Use R, Rstudio, Shiny, Radiant, Python, and Jupyter in a Docker container

 HTML  84  33

radiant.data

Public

Code for the Data menu in Radiant

docs

Public

Radiant documentation

People


This organization has no public members. You must be a member to see who's a part of this organization.

Top languages


 R  HTML  Shell

Support for upcoming glue 1.3.0 release #20

<> Code ▾

 Merged vnij merged 1 commit into `radiant-rstats:master` from `jimhester:glue-1.3.0`  on Jul 5, 2018

Conversation 1

 Commits 1


 Checks 0

 Files changed 3

+12 -6 



jimhester commented on Jul 5, 2018 • edited ▾

Contributor  ...

`glue::collapse()` has been renamed to `glue::glue_collapse()` , this provides support for both versions.

I plan to submit glue 1.3.0 to CRAN later this month.

Reviewers



vnij



Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone



Support for upcoming glue 1.3.0 release ...


✖ 68067e8



vnij approved these changes on Jul 5, 2018

[View changes](#)

vnij left a comment

Contributor  ...

Thanks @jimhester. Taking reverse dependency checks to the next level :)



✓ ↕ 12 ■■■■ R/aaa.R

☐ Viewed

```
39
40 #' Exporting collapse from glue as glue_collapse
41 - #' @details See \code{\link[glue]{collapse}} in the
  \code{glue} package for more details
42 #' @name glue_collapse
43 #' @rdname glue_collapse
44 - #' @param ... arguments passed to \code{glue::collapse}
45 #' @export
46 - glue_collapse <- function(...) glue::collapse(...)
```

```
47 NULL
48
49 #' Exporting glue_data from glue
```



```
39
40 #' Exporting collapse from glue as glue_collapse
41 + #' @details See \code{\link[glue]{glue_collapse}} in the
  \code{glue} package for more details
42 #' @name glue_collapse
43 #' @rdname glue_collapse
44 + #' @param ... arguments passed to \code{glue::glue_collapse}
45 #' @export
46 + glue_collapse <- function(...) {
47 +   if (utils::packageVersion("glue") > "1.2.0") {
48 +     utils::getFromNamespace("glue_collapse", "glue")(...)
49 +   } else {
50 +     utils::getFromNamespace("collapse", "glue")(...)
51 +   }
52 + }
53 NULL
54
55 #' Exporting glue_data from glue
```

✓ ↕ 2 ■■■ R/explore.R

☐ Viewed


What is open-source development?

Open-source software is software that is:

- *Decentralized*
- *Developed collaboratively*
- *Relies on peer review*
- *Enables community production*

([Redhat Linux](#))

Who is this relevant to?




General Motors

We envision a future of zero crashes, zero emissions and zero congestion, and we have committed ourselves to leading the way toward this future.

📍 Detroit, Michigan <https://www.gm.com> opensource@gm.com


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The Home Depot

📍 Atlanta, GA <https://homedepot.com>


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Zillow

📍 United States <https://zillowgroup.com/>

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City of Los Angeles

📍 Los Angeles, CA <https://lacity.org> Verified


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The American National Red Cross

📍 Washington D.C. <http://www.redcross.org> daniel.joseph@redcross.org


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The New York Times

📍 New York, NY <https://nytimes.com> Verified

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McDonald's

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Walmart Global Tech


📍 Distributed opensource@email.wal-mart.com

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Chevron Energy Technology Company


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The Walt Disney Company

📍 Los Angeles <http://github.com/disney>

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Kaiser Permanente Washington Health Research Institute

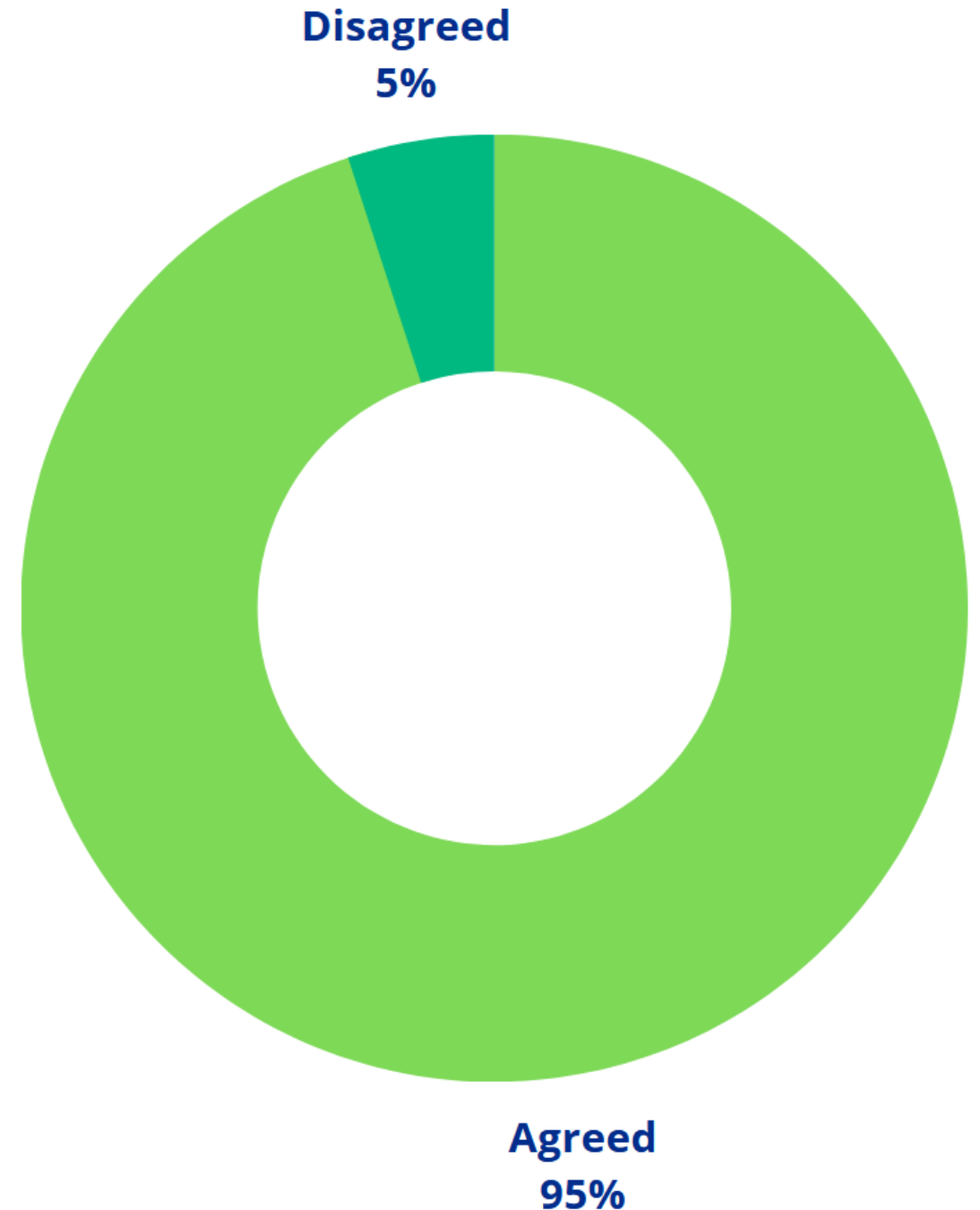
Practical research for better health

📍 Seattle, WA, USA <https://www.kpWASHINGTONresearch.or...>

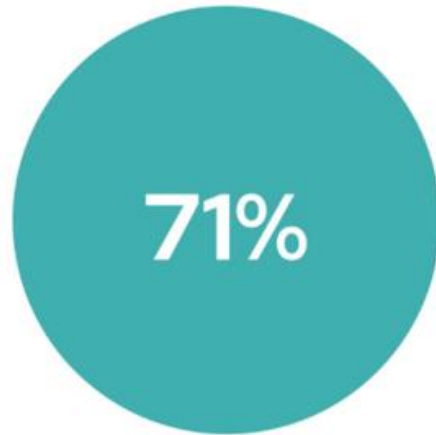
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- 1,296 information technology department surveyed
- Across 6 different industries
 - Healthcare
 - Finance
 - Telecommunications
 - Retail
 - Government
 - Industrial
- Across Asia, Europe, Latin American, Middle East, Africa, and the United States

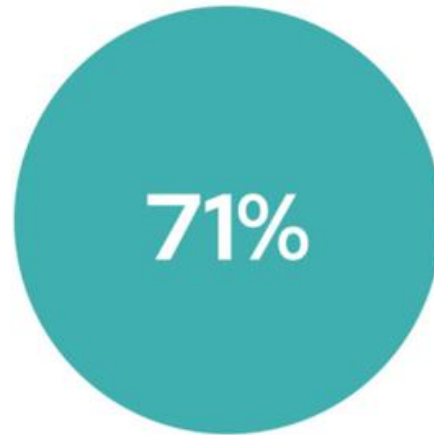
Open-source is important to their organization's overall enterprise infrastructure.



IT leaders are currently making good use of emerging technologies



Artificial intelligence (AI)
or machine learning (ML)



Edge computing or
Internet of Things (IoT)

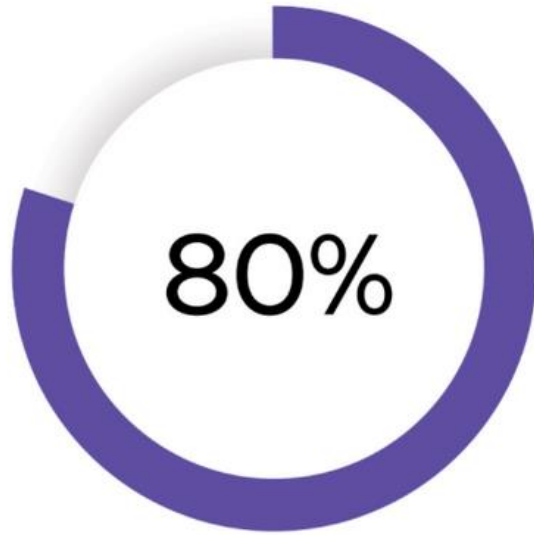


Containers



Serverless computing

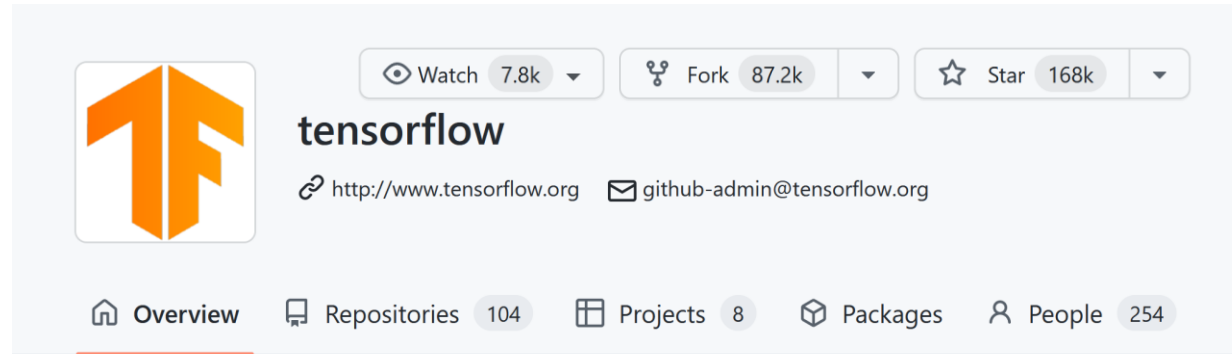
80% of IT leaders expect to increase their use of enterprise open source software for emerging technologies.



of IT leaders expect to increase their use of enterprise open source software for emerging technologies.

Companies are using open-source tech because it drives it provides a foundation for innovation

Why Does A Business Open-Source?

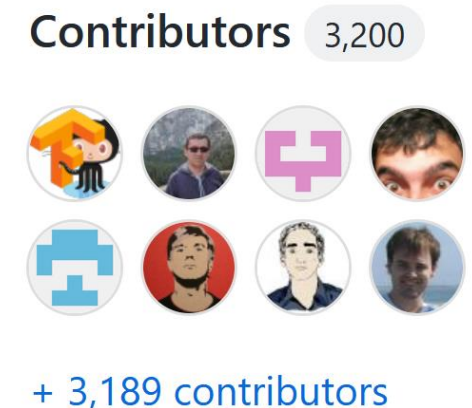


Google's open-sourced prediction tool

Spend less on a specialized skill

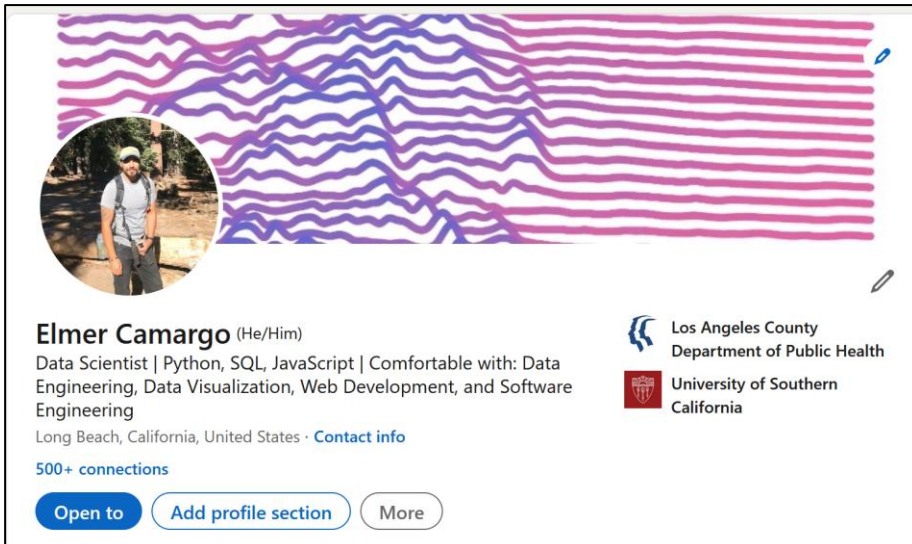
It doesn't take away from core business

All parties benefit



Recommendations

- Whatever your industry, investigate the software that drives it
 - Talk to your software or IT team
- Read about open-source business models
 - Or ask me about it later



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[Email](#)

[Github](#)



References + Additional Resources

- [REL Open-Source Report](#)
- [Rise of Open-Source – YouTube](#)
- [How Open-Source Makes Money – YouTube](#)
- [Disadvantages of Open-Source](#)
- [Somewhat Recent Open-Source Company IPO's](#)
- [30 Companies That Engage in Open-Source Development](#)