Open-Source Development
Growing Business Use

Presenter: Elmer Camargo
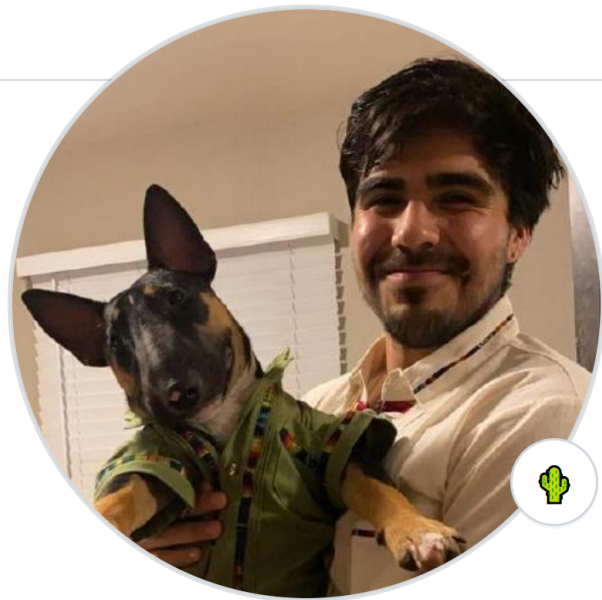
Elmer Camargo

flapjackstan

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Edit profile

👥 **7** followers · **5** following

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?

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

radiant-rstats

Follow

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

🔗 https://radiant-rstats.github.io/docs/ ✉ radiant@rady.ucsd.edu

🏠 **Overview** 📑 Repositories **17** ▦ Projects 📦 Packages 👤 People

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

💬 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.

⊶ Support for upcoming glue 1.3.0 release ⋯   ✕ 68067e8

✓ **vnijs** approved these changes on Jul 5, 2018   View changes

vnijs left a comment   Contributor ☺ •••

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

Reviewers
vnijs ✓

Assignees
No one assigned

Labels
None yet

Projects
None yet

Milestone
No milestone

∨ ⤢ 12 ■■■■□ R/aaa.R ⧉   ☐ Viewed •••

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

∨ ⤢ 2 ■■□□□ R/explore.R ⧉   ☐ Viewed •••

What is open-source development?

Technical Definition: *Open-source software is software developed in a decentralized and collaborative way, relying on peer review and community production* ([Redhat Linux](#))

In Action: *I should be able to look at your product, make a copy of it, freely use it, be able to add to it, and request for the maintainer to accept or approve my contributions.*

Who is this relevant to?

The American National Red Cross
Washington D.C. http://www.redcross.org daniel.joseph@redcross.org

Overview Repositories 150 Projects Packages People 9

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

Overview Repositories 30 Projects Packages People 1

The New York Times
New York, NY https://nytimes.com Verified

Overview Repositories 92 Projects Packages People 40

The Home Depot
Atlanta, GA https://homedepot.com

Overview Repositories 64 Projects Packages People 9

Walmart Global Tech
Distributed opensource@email.wal-mart.com

Overview Repositories 151 Packages People 2

McDonald's

Overview Repositories 3 Projects Packages People

Zillow
United States https://zillowgroup.com/

Overview Repositories 135 Projects 1 Packages People 7

Chevron Energy Technology Company

Overview Repositories 22 Projects Packages People 2

The Walt Disney Company
Los Angeles http://github.com/disney

Overview Repositories 17 Projects Packages People 4

City of Los Angeles
Los Angeles, CA https://lacity.org Verified

Overview Repositories 86 Projects Packages People 3

Kaiser Permanente Washington Health Research Institute
Practical research for better health
Seattle, WA, USA https://www.kpwashingtonresearch.or...

Overview Repositories 42 Projects Packages People

- 1,296 information technology department surveyed

- Across 6 different industries
  - Healthcare
  - Finance
  - Telecommunications
  - Retail
  - Government
  - Industrial

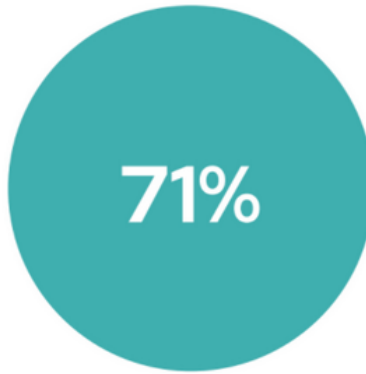- Across Asia, Europe, Latin American, Middle East, Africa, and the United States

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

Disagreed 5%

Agreed 95%
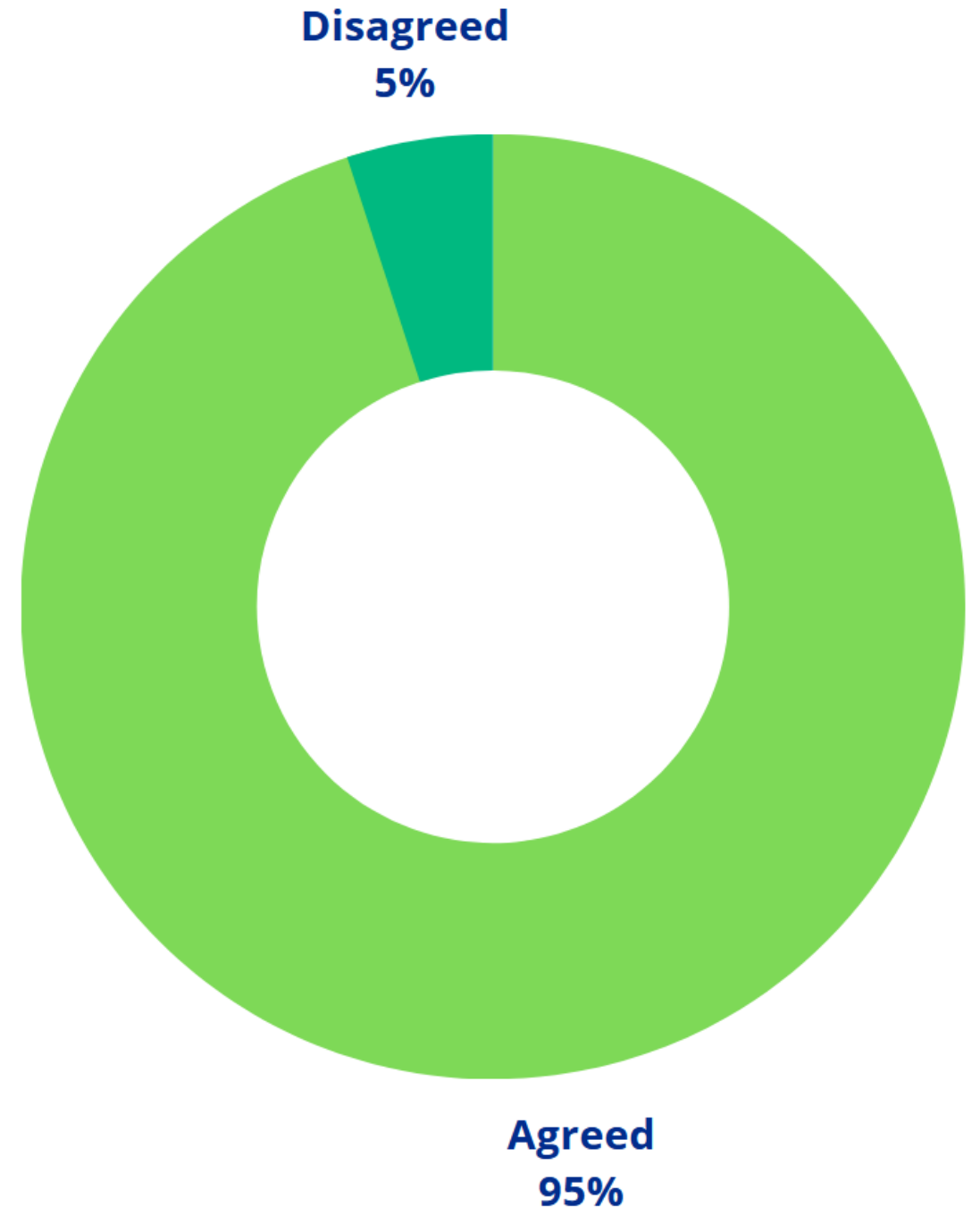
IT leaders are currently making good use of emerging technologies
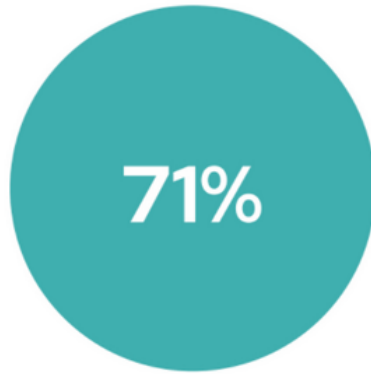
71%	**71%**	**68%**	**61%**
Artificial intelligence (AI) or machine learning (ML)	Edge computing or Internet of Things (IoT)	Containers	Serverless computing

APAC		EMEA		LATAM		U.S.	
AI or ML	**73%**	AI or ML	**70%**	AI or ML	**65%**	AI or ML	**75%**
Edge or IoT	**68%**	Edge or IoT	**69%**	Edge or IoT	**71%**	Edge or IoT	**73%**
Containers	**66%**	Containers	**63%**	Containers	**69%**	Containers	**73%**
Serverless	**58%**	Serverless	**64%**	Serverless	**58%**	Serverless	**61%**

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


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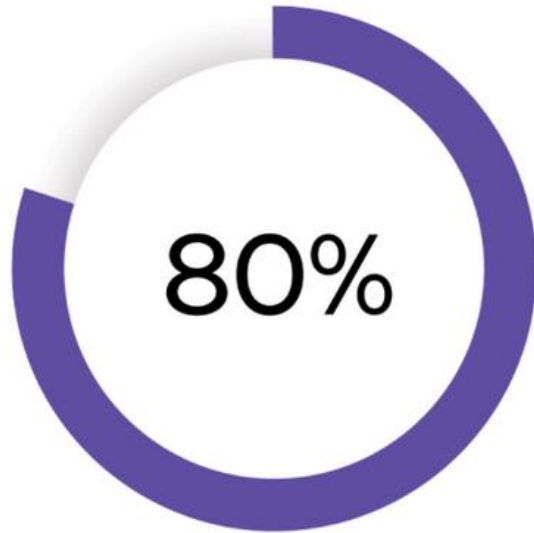
of IT leaders expect to increase their use of enterprise open source software for emerging technologies.

(APAC = 80%, EMEA = 80%, LATAM = 82%, U.S. = 80%)

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

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
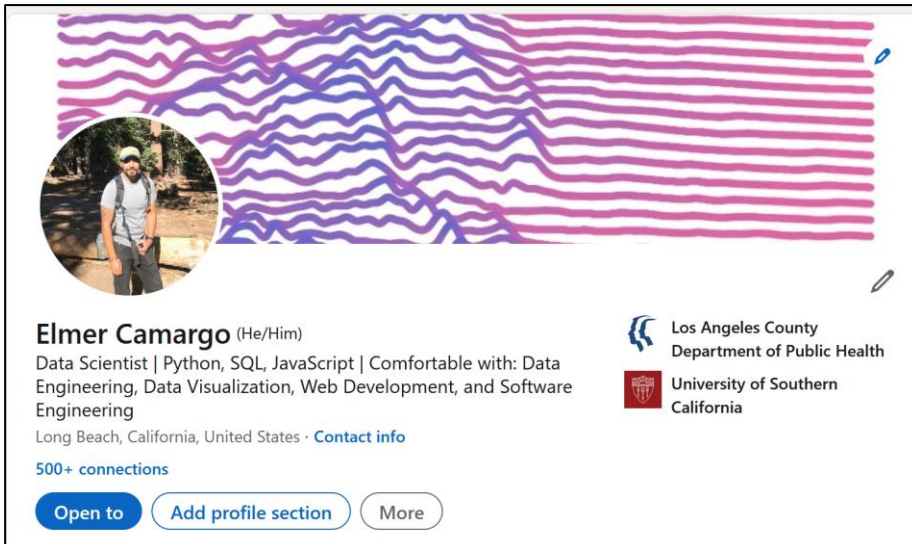
Linkedin

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](#)