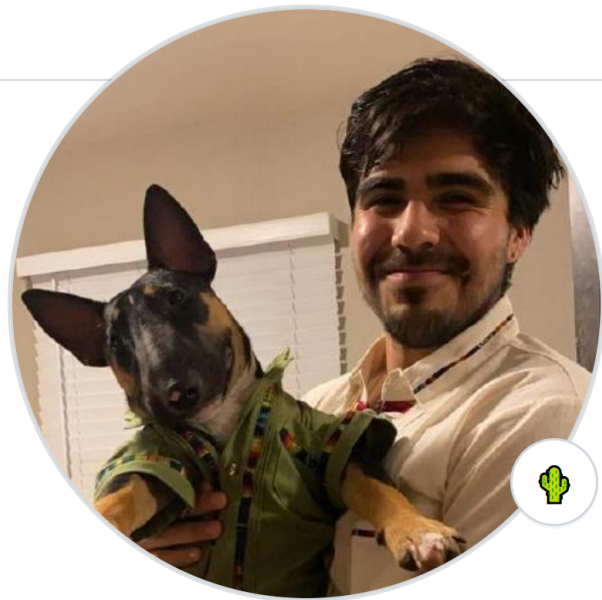


# **Open-Source Development**

## ***Growing Business Use***



Presenter: Elmer Camargo



**Elmer Camargo**

flapjackstan



Edit profile

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Overview

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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](mailto: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**s 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.

  Support for upcoming glue 1.3.0 release ...

✖ 68067e8



**vnij**s approved these changes on Jul 5, 2018

[View changes](#)

**vnij**s left a comment

Contributor  ...

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

### Reviewers



**vnij**s



### Assignees

No one assigned

### Labels

None yet

### Projects

None yet

### Milestone

No milestone



✓ ↕ 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?

*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?




## 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](mailto: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](mailto: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](mailto: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

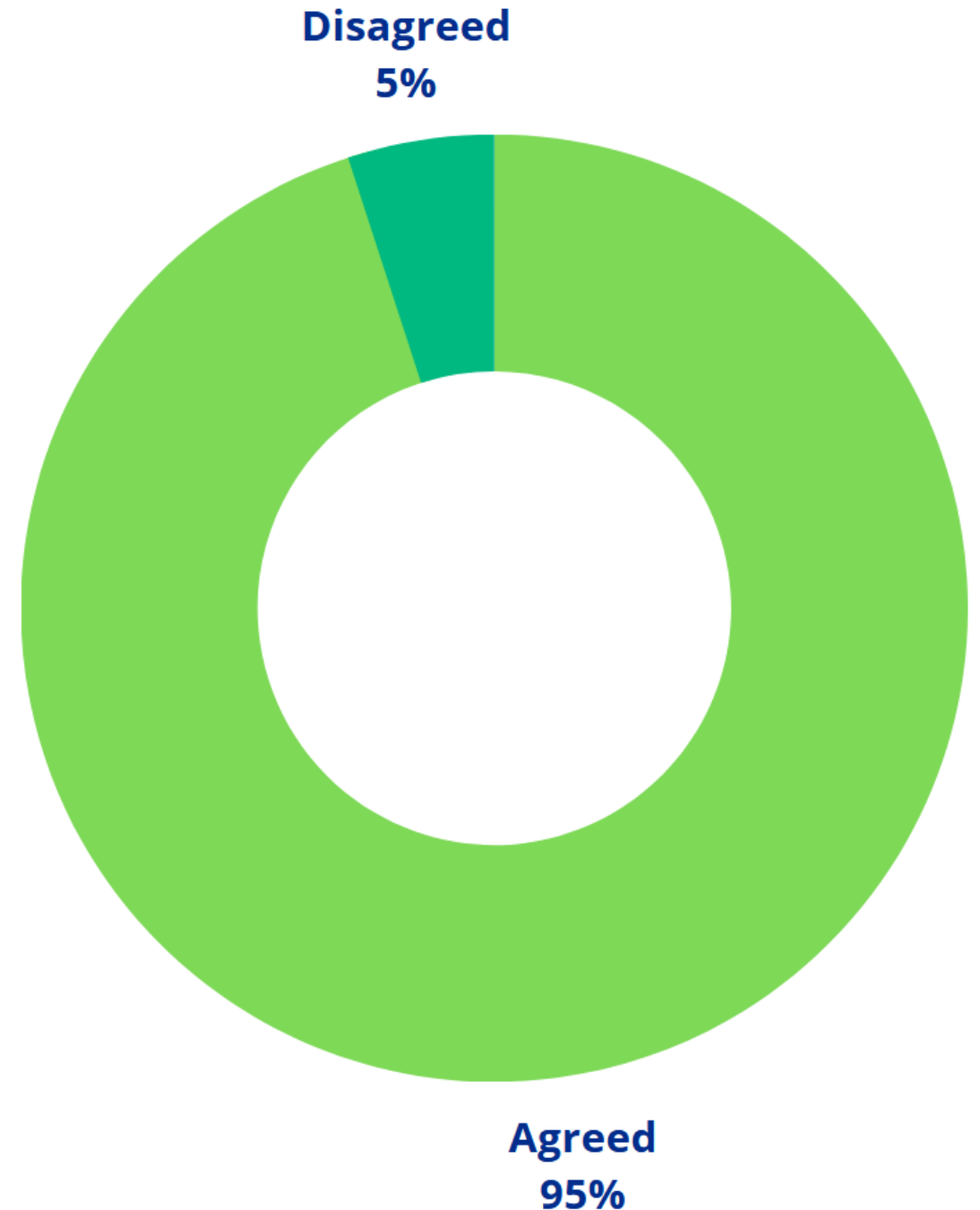
Practical research for better health

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

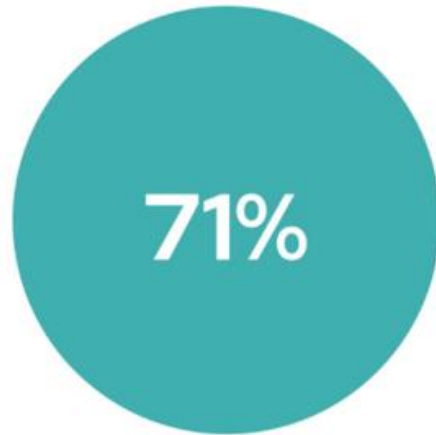
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- 1,296 information technology department surveyed
- Across 6 different industries
  - Healthcare
  - Finance
  - Telecommunications
  - Retail
  - Government
  - Industrial
- Across Asia, Europe, Latin American, Middle East, Africa, and the United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

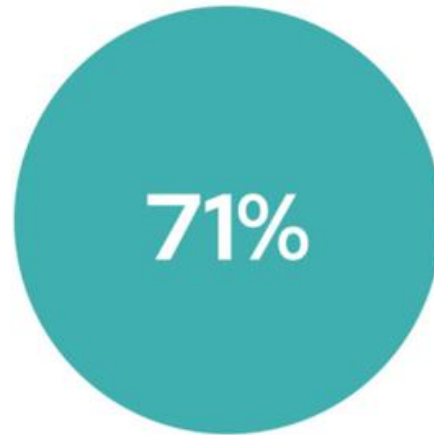
***Open-source is important to their organization's overall enterprise infrastructure.***



## IT leaders are currently making good use of emerging technologies



Artificial intelligence (AI)  
or machine learning (ML)



Edge computing or  
Internet of Things (IoT)

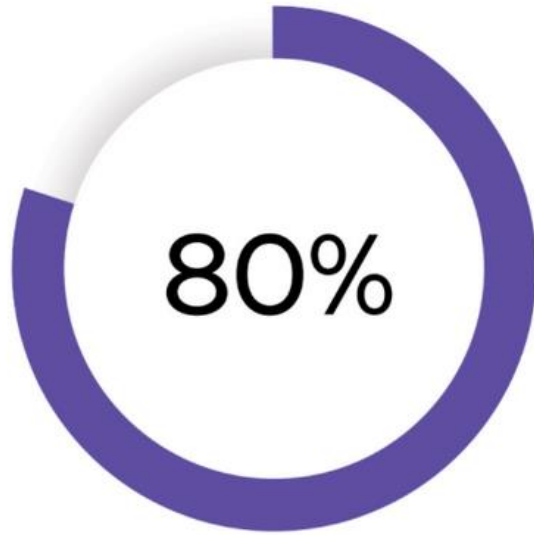


Containers



Serverless computing

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



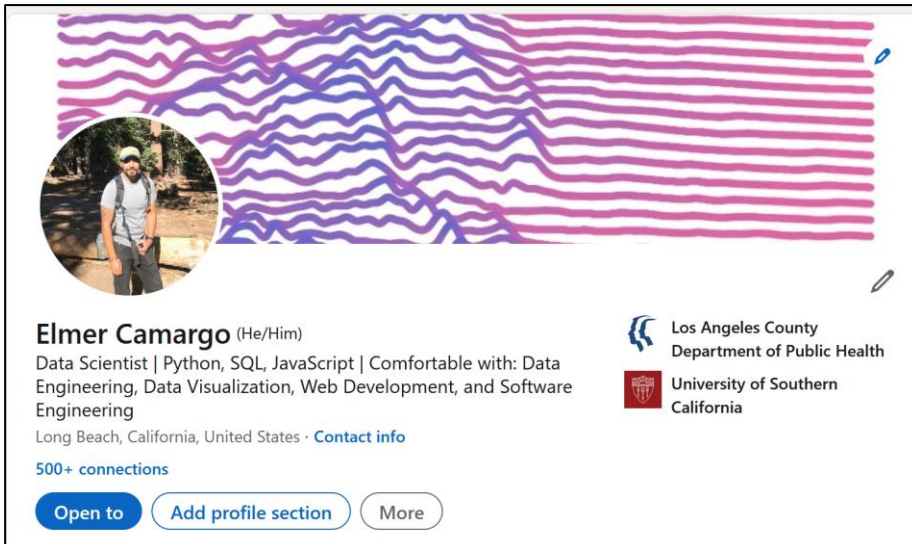
of IT leaders expect to increase their use of enterprise open source software for emerging technologies.

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***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



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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](#)