R-Ladies Miami

Launch Event - July 28th

Hello!

We are the Orga-team:

Catalina Arango & Laura Gabrysiak

Cris Vidal (Co-organizer)

Agenda
for today

Introduction
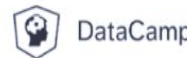
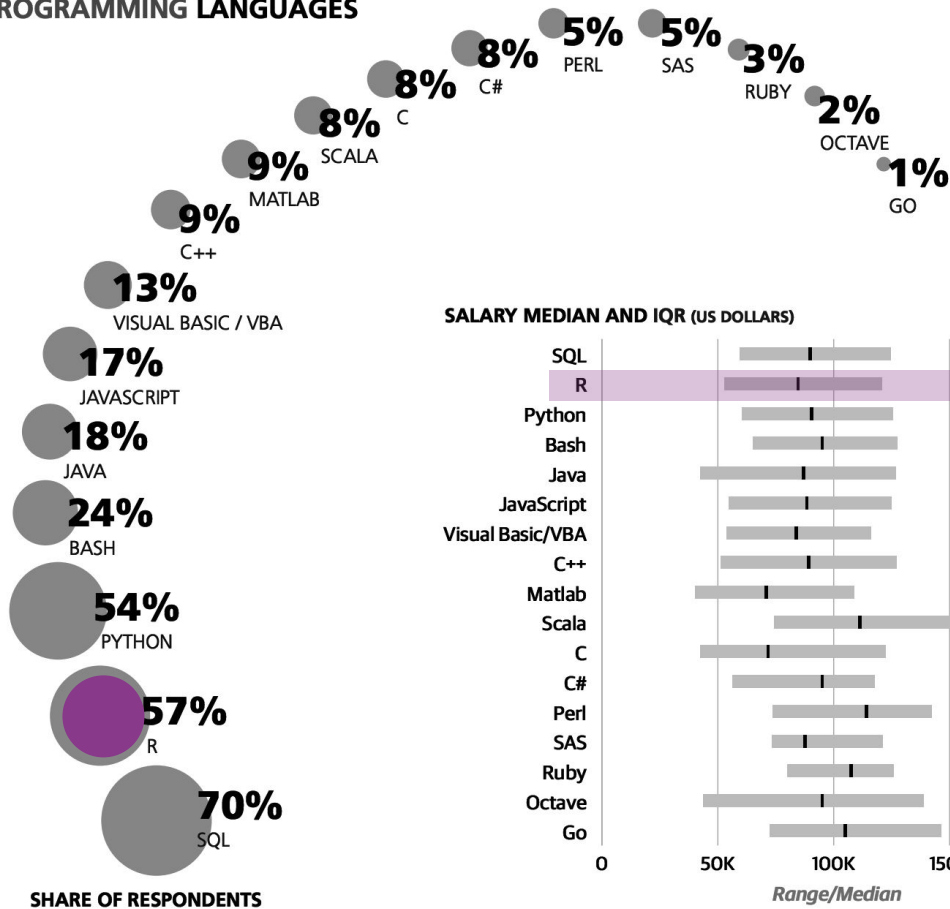**Ice-breaker**

Open Dialogue
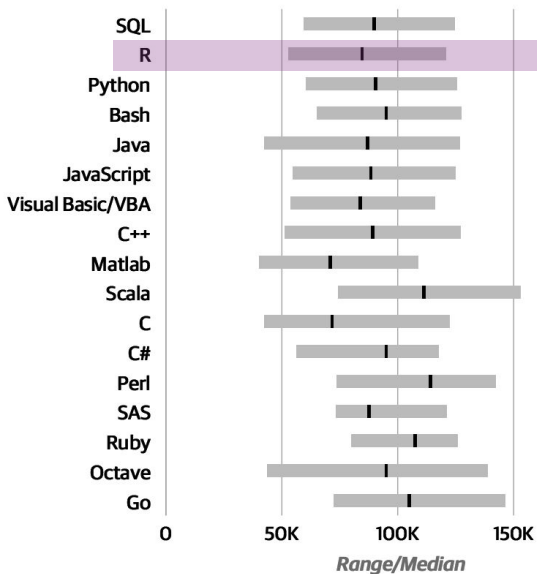
R statistical programming

- It was created in 1993 - however hype since last 5 - 10 years

- **Open source** statistical programming language and software environment

- R provides a **broad spectrum** of statistical and graphical techniques

- **Highly extensible** - create your own methods and packages (libraries)

- Supports all **main Data Science steps**: data acquisition, data wrangling*, modeling*, documentation (Markdown), visualization (ggplot2, Shiny)

- At the core, a "data" language

- Compatible Linux / Windows / Mac

- A community! Broad support with CRAN with many diverse packages.

PROGRAMMING LANGUAGES

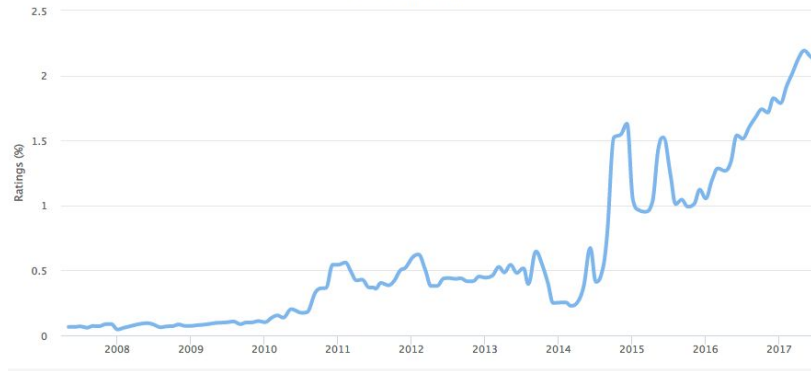5% PERL
5% SAS
8% C#
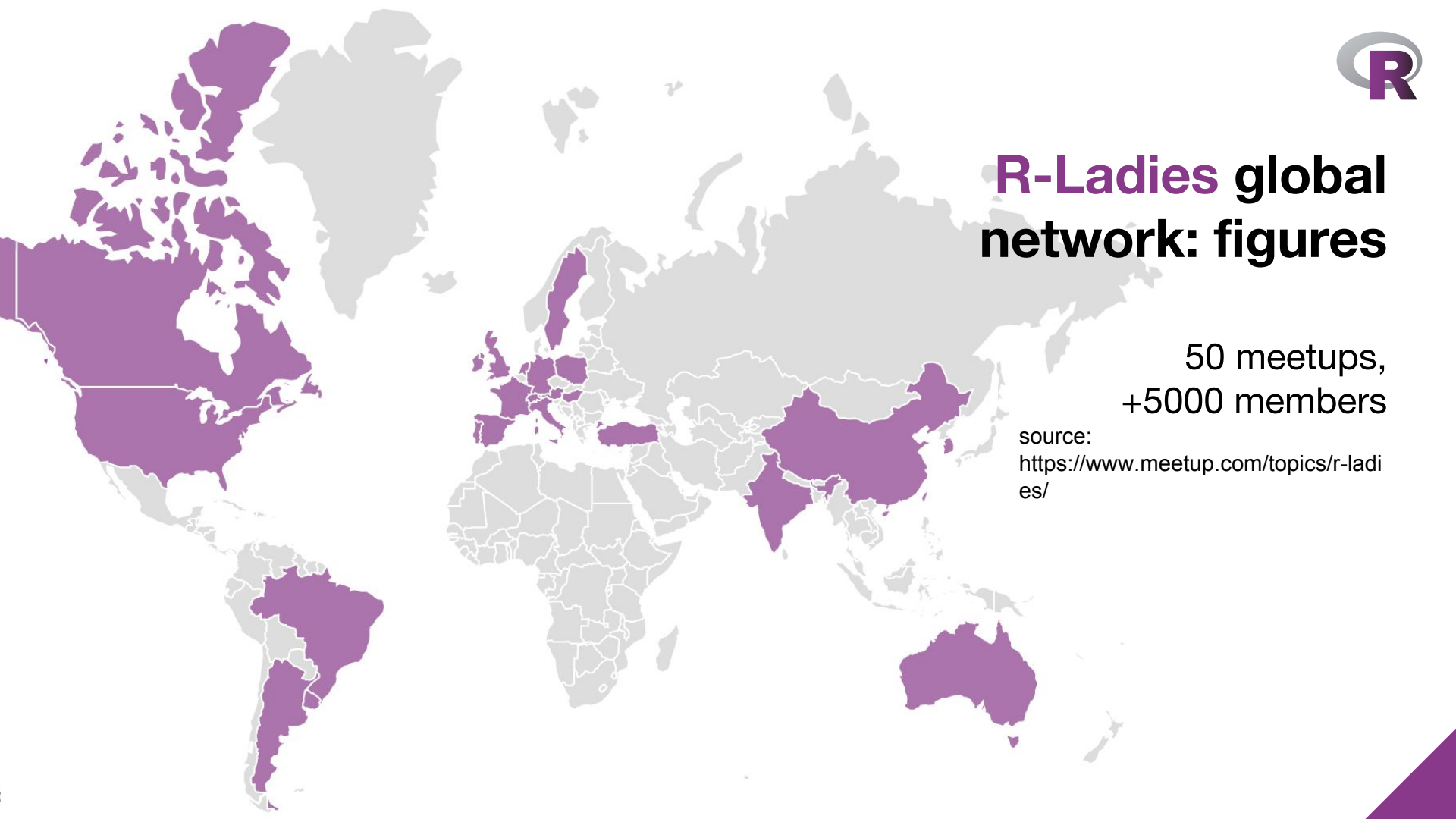3% RUBY
8% C
2% OCTAVE
8% SCALA
1% GO
9% MATLAB
9% C++
13% VISUAL BASIC / VBA
17% JAVASCRIPT
18% JAVA
24% BASH
54% PYTHON
57% R
70% SQL

SHARE OF RESPONDENTS

SALARY MEDIAN AND IQR (US DOLLARS)

SQL
R
Python
Bash
Java
JavaScript
Visual Basic/VBA
C++
Matlab
Scala
C
C#
Perl
SAS
Ruby
Octave
Go

0   50K   100K   150K

Range/Median

TIOBE Index for R
Source: www.tiobe.com

R-Ladies global network: figures
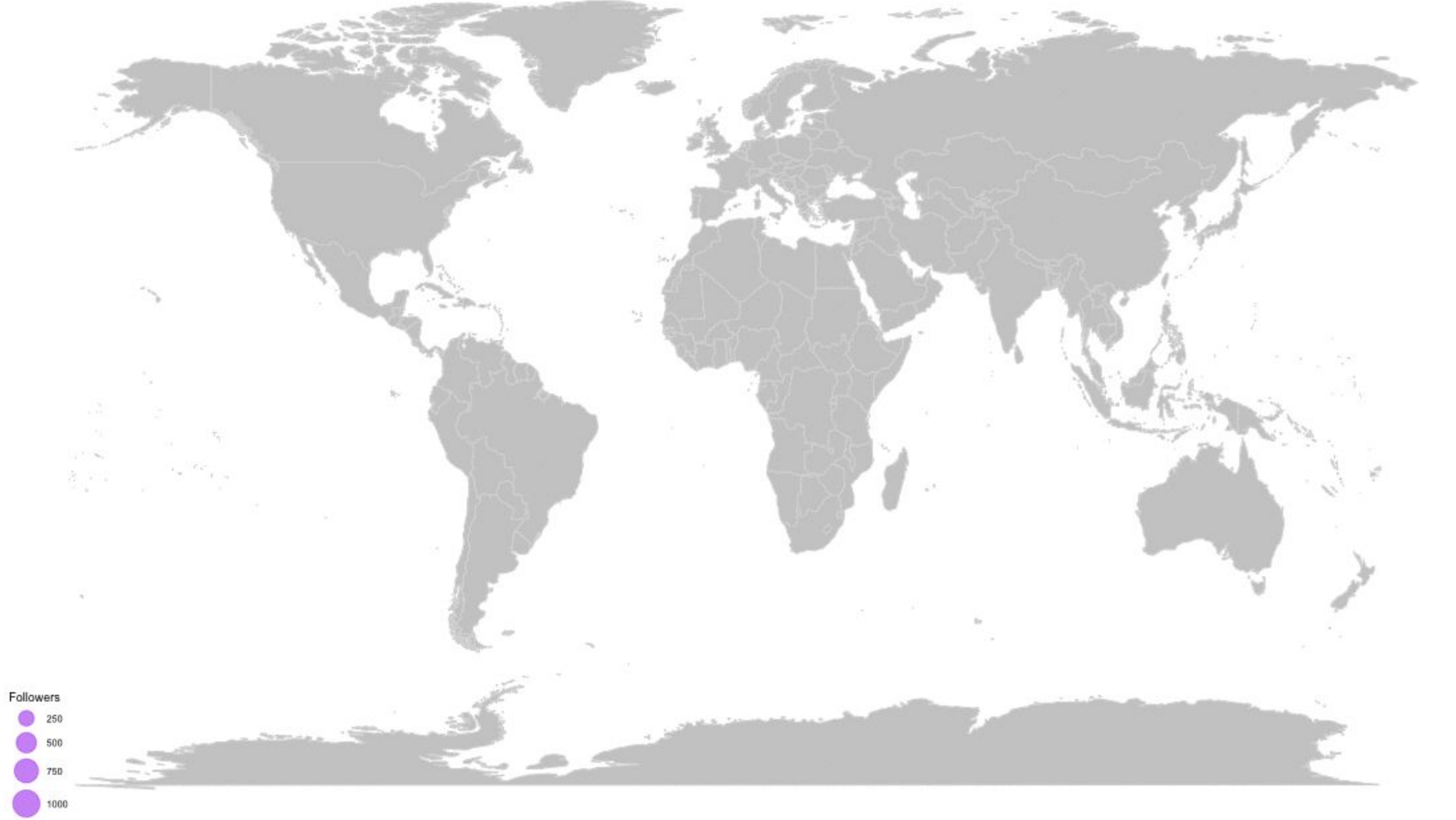
50 meetups,
+5000 members

R - Ladies
global network

Founded by a statistician Gabriela de Queiroz in San Francisco in October 2012

Aims

▸ **Promote** the R language in our local Data Science/Tech community (grow the community)

▸ **Create an inclusive R meetup where everyone is welcome**

▸ **Increase the participation of women** in the R community and encourage them to write more R code, develop packages and be speakers at conferences

   (15% F vs 85% M R package authors - genderizeR - 2016 - CRAN)
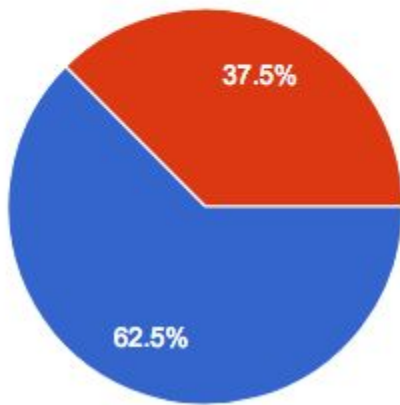
Followers
- 250
- 500
- 750
- 1000

R - Ladies Miami
the meetup

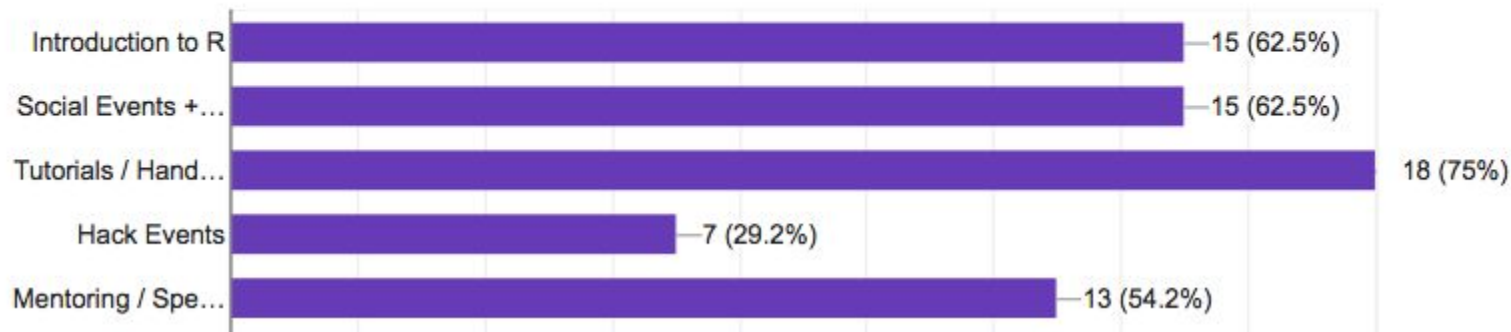How much expe[R]ience do you have with R?

24 responses

- Beginner - ('What is R?' - 'I recently installed R and started using it')
- Regular - ('I've used R in the past' - 'R is part of my toolbox')
- Expert - ('I regularly use R' - 'I write R packages in my sleep')

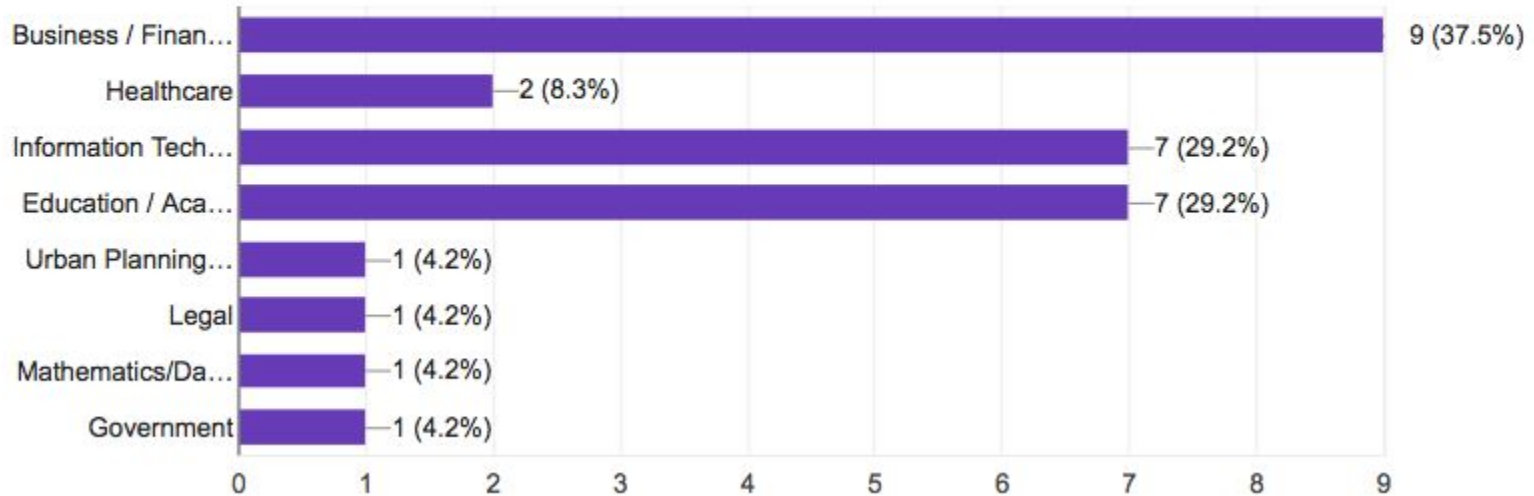# Survey Results

Why did you join R-Ladies?

24 responses

Introduction to R	15 (62.5%)
Social Events +...	15 (62.5%)
Tutorials / Hand...	18 (75%)
Hack Events	7 (29.2%)
Mentoring / Spe...	13 (54.2%)

Survey Results

What is your professional background?

24 responses

Open Dialogue -
Designing our R community

- Why are you here?

- What expectations do you have from this meetup?

- Share your story

- Do you have any ideas on how to shape R-Ladies Miami?

Next Steps:
Upcoming meetups

1. **Introductory Workshop:** August 17th (tentatively) @CIC Miami

   Installation / Setup of R, RStudio and Github
   Introduction to R
   Basic exercises

2. **First talk:** August 31st (tentatively) @CIC Miami

   Showcase of R
   Speakers wanted

R - Ladies Miami
Social media

meetup.com/R-Ladies-Miami/

twitter.com/RLadiesMiami