



R-Ladies Tbilisi Launch

December 8, 2016

What is R? Why R?

- R is a statistical software tool that allows for statistical programming within a wide range of applications.
- R provides a broad spectrum of statistical and graphical techniques in a lot of packages.
- With R it is possible to program own methods for individual jobs.
- It is also possible to integrate already implemented statistical methods in own programs.
- R is an open source software



What is R? Why R?

- R is a command-driven software tool → the user types in text and asks R to execute it
- A command-line software tool is open ended.
- It is simple to write some pieces of code for a new problem nobody has faced before.
- Command-line software tools allow the user to be more independent from any particular organization structure of a tool.

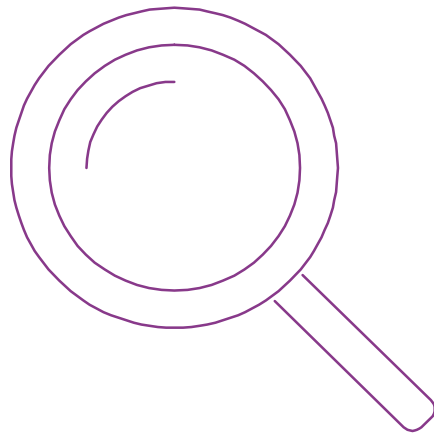
What is R? Why R?

<https://www.r-project.org/>

<https://cran.r-project.org/>

<https://r-bloggers.com/>

Google your error!





R-Ladies Global <http://rladies.org/>

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

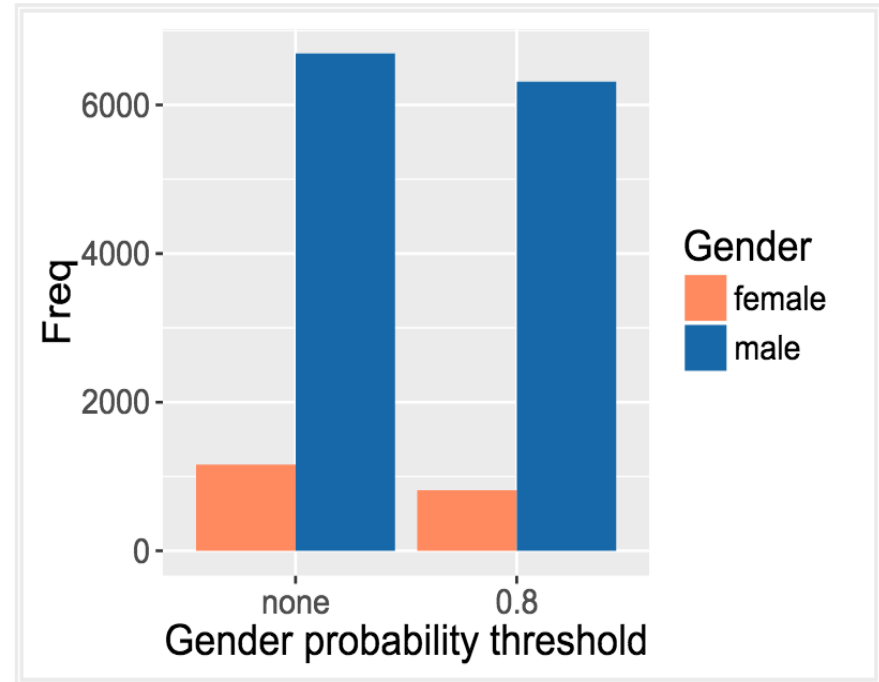
Aims:

- ▶ Increase the participation of women in the R community
- ▶ Create an R women users and developers database
- ▶ <https://rladies.org/ladies/>
- ▶ Encourage women to write R codes, develop packages and attend the R conferences as speaker

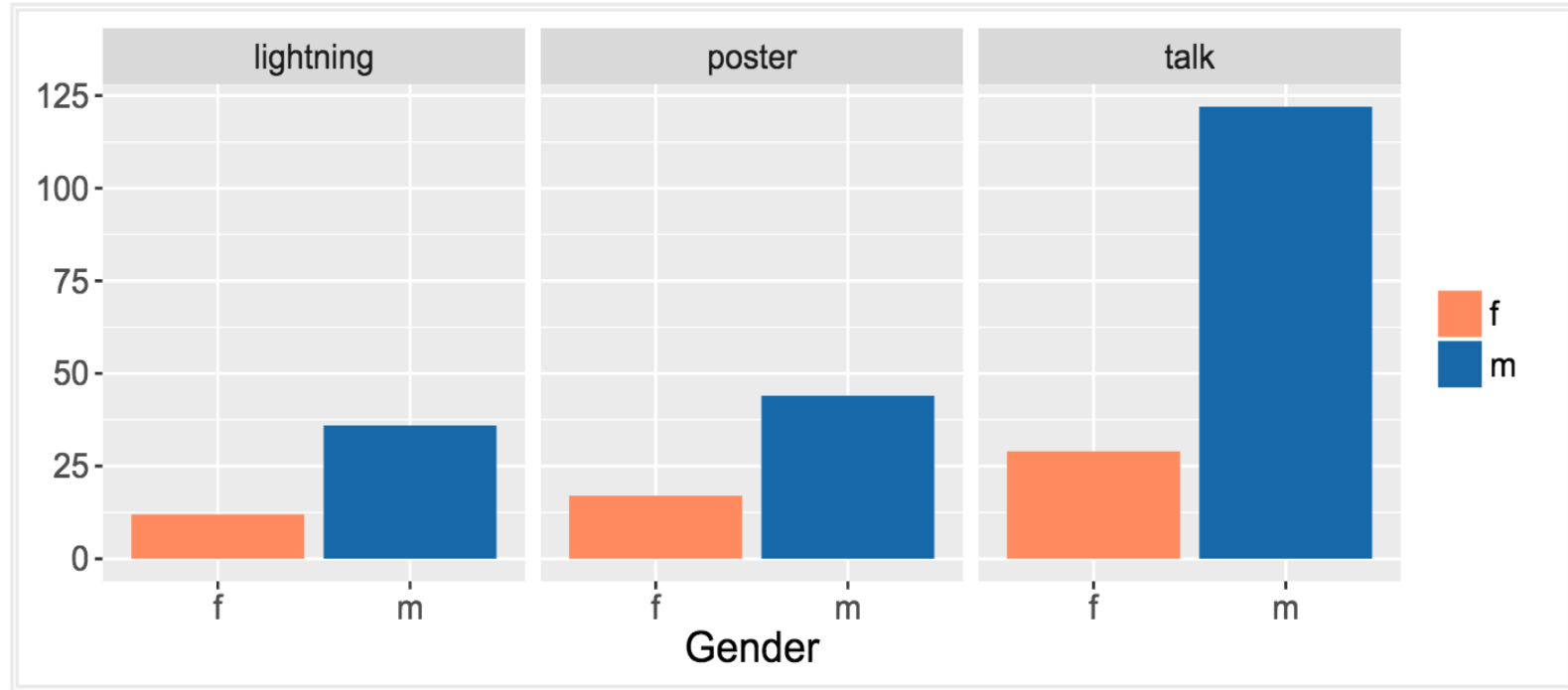
Gender statistics

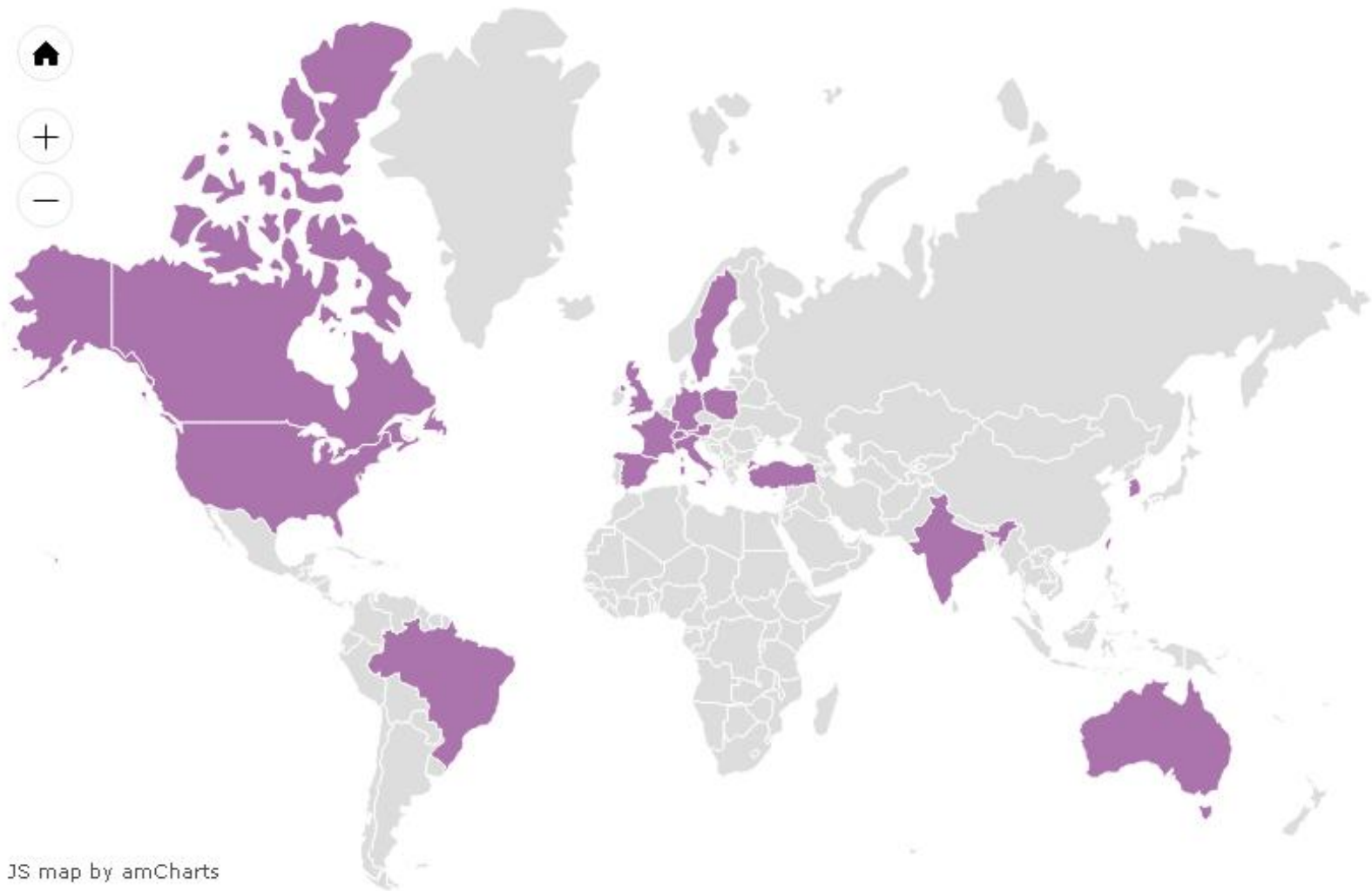
Only ~ 15% of R package authors are women

Estimates produced with CRAN package **genderizeR**, as on March 2016. Gender predicted from first names. Graph taken from the Melbourne R-Ladies Meetup Launch presentation



Statistics from useR! 2016







R-Ladies Tbilisi

Team

Liili Abuladze, Nino Macharashvili,
Anano Kipiani, Dinara Urazova,
Tako Gabaidze

Next meetings

December 13, 7-9 PM, ISET
conference hall

January - February?

Beginners are welcome to drop in
any time. R-Ladies Tbilisi is
inclusive of all genders.

Keep in touch

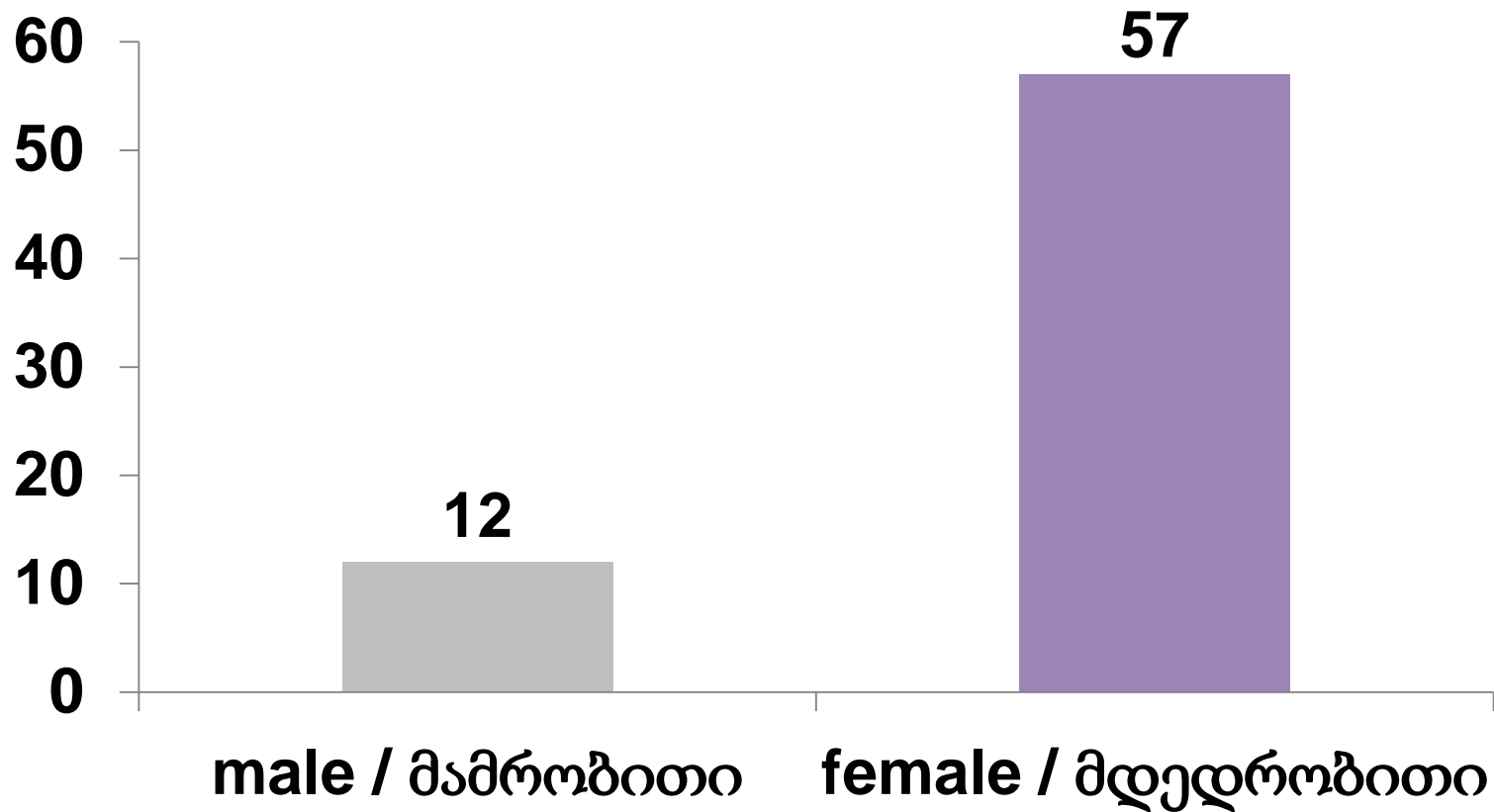
Meetup: <https://www.meetup.com/R-Ladies-Tbilisi/>

Twitter: @RLadiesTbilisi

Github: <https://github.com/rladiestbilisi>
- resources

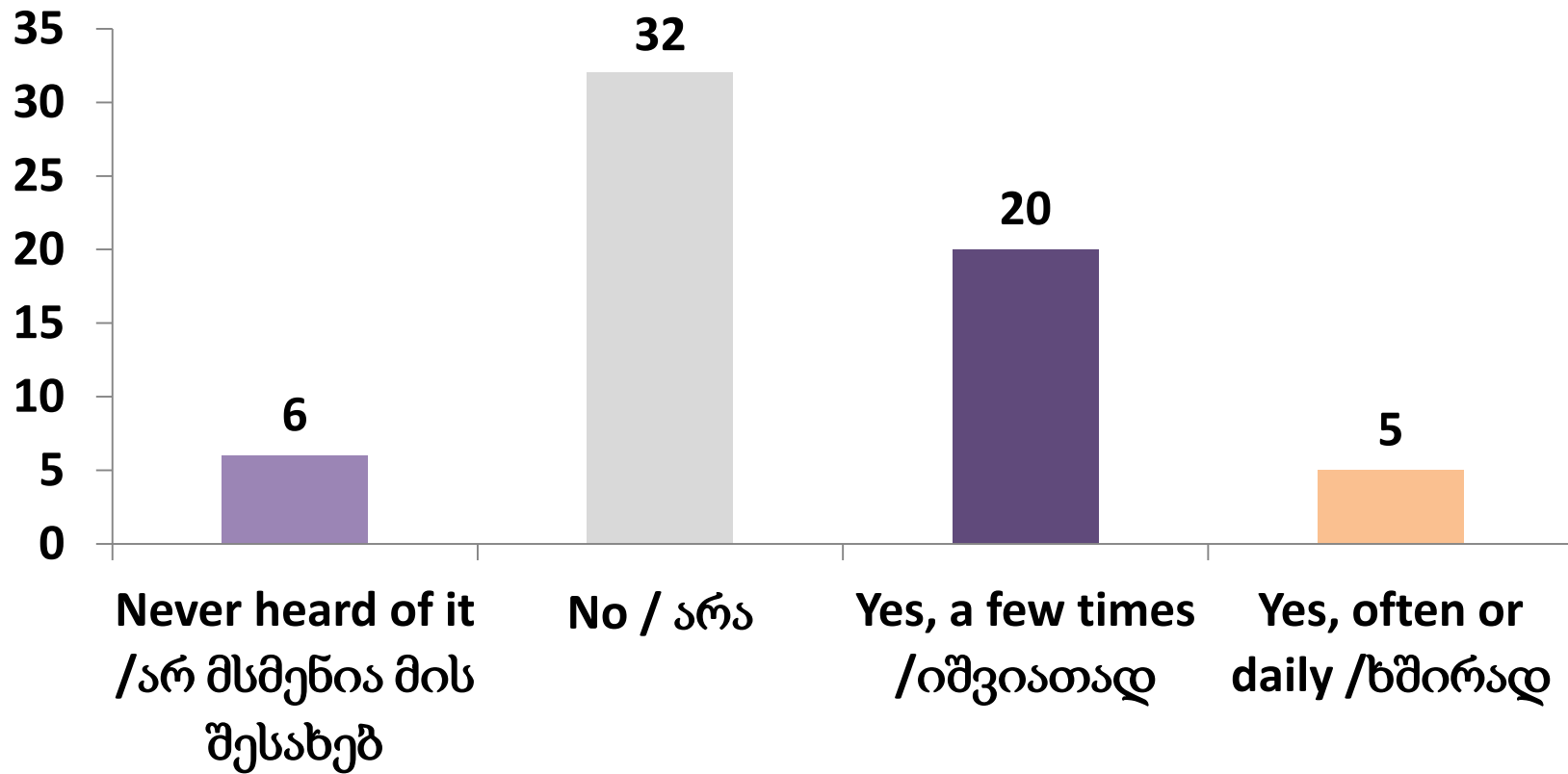
e-mail: tbilisi@rladies.org

Survey results – 69 responses

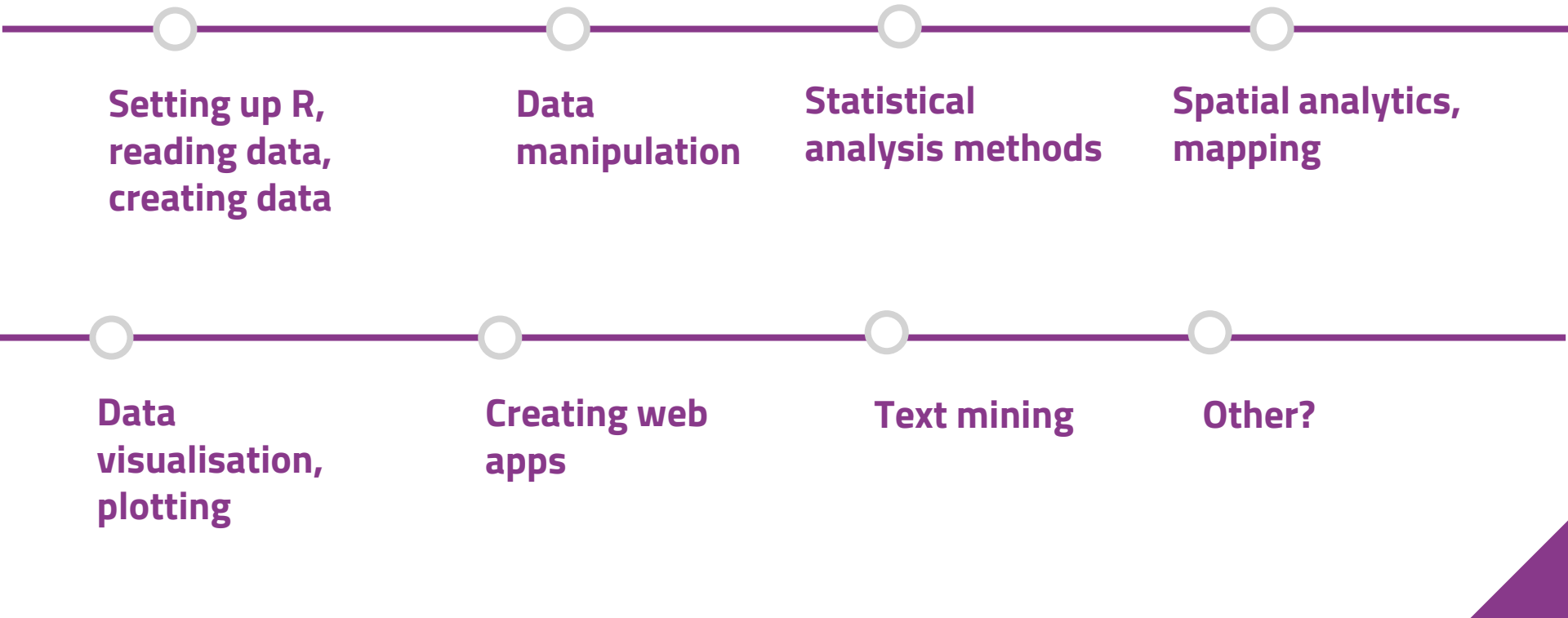


Have you used R programme before? /

გამოგიყენებიათ თუ არა R?



Which topics to learn?



A horizontal timeline diagram with two rows of four topics each. Each topic is preceded by a grey circle on a horizontal line. The first row contains: 'Setting up R, reading data, creating data', 'Data manipulation', 'Statistical analysis methods', and 'Spatial analytics, mapping'. The second row contains: 'Data visualisation, plotting', 'Creating web apps', 'Text mining', and 'Other?'.

Setting up R,
reading data,
creating data

Data
manipulation

Statistical
analysis methods

Spatial analytics,
mapping

Data
visualisation,
plotting

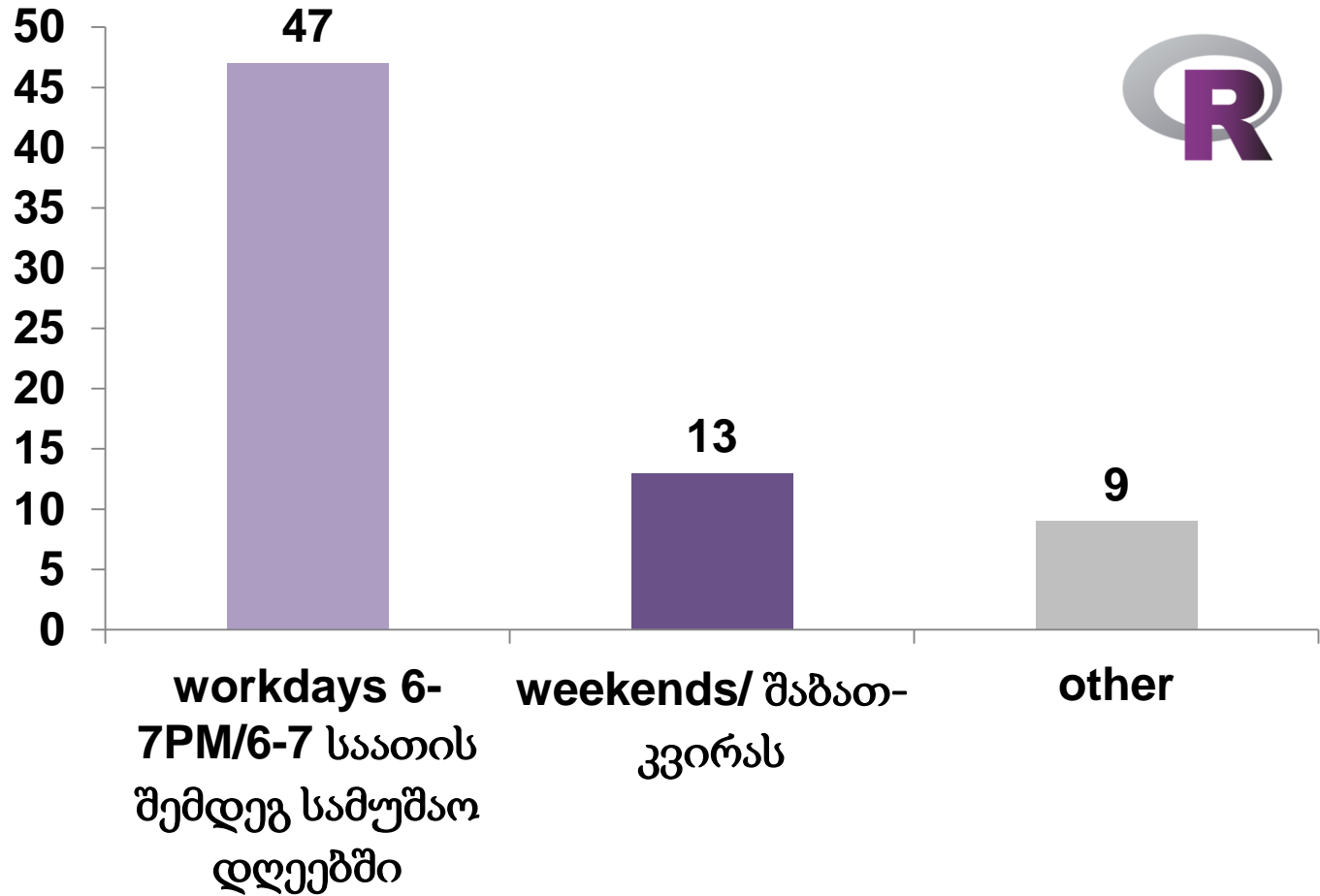
Creating web
apps

Text mining

Other?



**Most suitable
time to attend
the meetups? /
რა დრო უფრო
მოსახერხებელი
ა თქვენთვის
შესახვედრად?**





Code of conduct

- Public events always offered for free
- The conceptual domain/ scope is specific to R
- Be aware of each other's contributions
- Use neutral language
- Constructive and supportive environment for R learning
- Please read more here:
<https://github.com/rladies/starter-kit/blob/master/R-LadiesGlobalAlignmentDecember2016.pdf>



Questions?

tbilisi@rladies.org

Meetup: <https://www.meetup.com/R-Ladies-Tbilisi/>

Twitter: @RLadiesTbilisi

Github: <https://github.com/rladiestbilisi> - resources
(presentations, R codes)

Today: Dinara Urazova - R for (real) beginners



- downloading and installing R & Rstudio
- some basic operations in R

Next meeting: December 13, 7PM, ISET
conference hall

Beginners are welcome to drop in any time. R-
Ladies Tbilisi is inclusive of all genders.