```
library(dplyr)

rladies_global %>%
  filter(city == 'Tbilisi')
```



| R-Ladies Tbilisi | April 6, 2017

What is R? Why R?



- Open source free software for statistical analysis and visualisation
- Programme own methods & use existing tools (packages) for own jobs/ tasks/ purposes
- ♣ R is command-driven → type in a command, execute it
- Allows independence and flexibility
- Big supporter-developer community

What is R? Why R?



Download R 3.3.3 for Windows

https://cran.r-project.org/bin/windows/base/

Mac https://cran.r-project.org/bin/macosx/

Download interface RStudio https://www.rstudio.com/

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

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

https://www.r-bloggers.com/

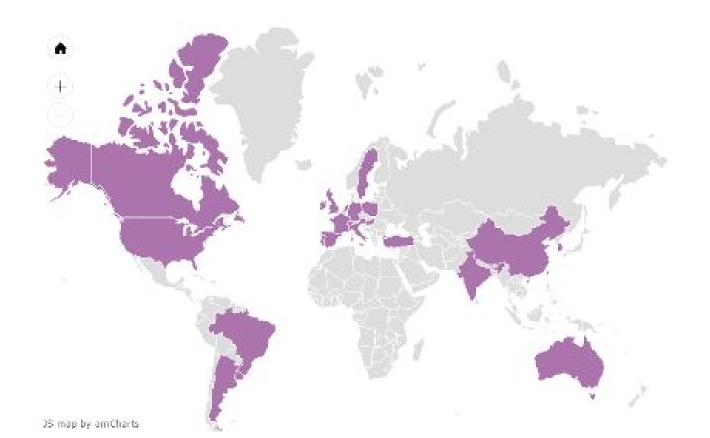
Who is R-Ladies?



- Founded by statistician Gabriela de Queiroz in San Francisco, 2012
- Increase participation of women in R community
 - In developing R packages
 - In attendance of women and female speakers at R conference and meetings
- Creation of R user and developer database

Who is R-Ladies? http://rladies.org/







Code of conduct

- Public events always offered for free
- The conceptual domain/ scope is specific to R
- Be aware of other's contributions
- Use neutral language
- Constructive and supportive environment for R learning

R-Ladies Tbilisi



10 meetups in December 2016 - March 2017 hosted by:

Dinara Urazova

Liili Abuladze

Eric Barrett

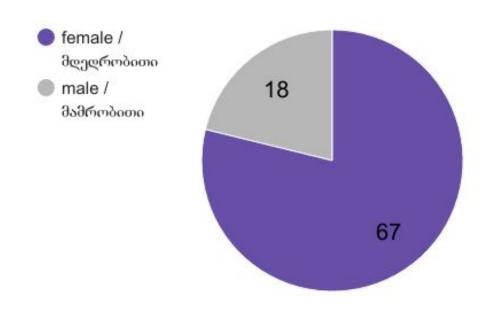
Dustin Gilbreath

Brian Kuns

Alessandra Carioli

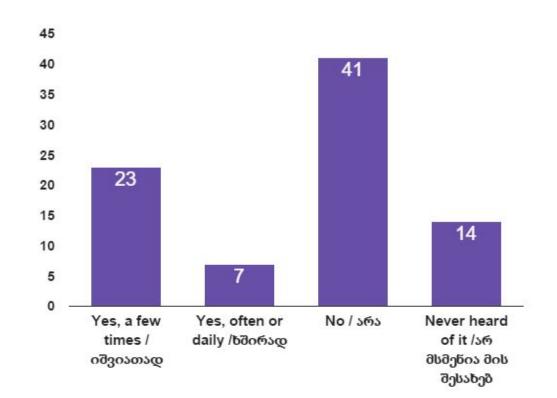


Survey results - 85 respondents



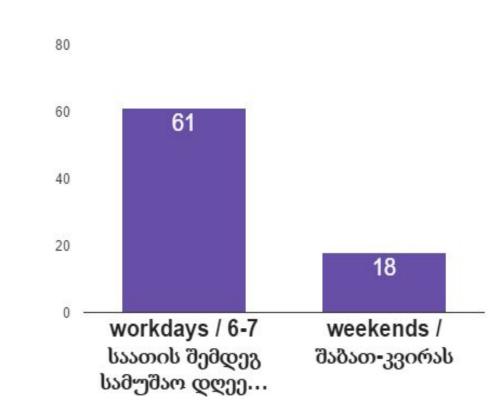
Have you used R programme before? / გამოგიყენებიათ თუ არა R?







Most suitable time for meetups? / ര്യ യ്യം പുരുന്ന მოსახერხებელი ა თქვენთვის შესახვედრად?



Which topics?



Setting up R, reading & creating data

Data manipulation

Statistical analysis

Spatial analysis, mapping

Data visualisation, plotting

Web apps, web data

Text mining





April meetups @GeoLab - Merab Aleksidze 8

April 6 - intro

April 10 - vectors and dataframes

April 11 - data types in R

April 12 - exploring a dataset, plotting

7 PM

May - data visualisation, scraping web data, statistical analysis, (mapping)

Open for everyone, beginners welcome to drop in anytime!

R-Ladies Tbilisi





Events

https://www.meetup.com/R-Ladies-Tbilisi/



Materials

https://github.com/rladies/meetup-presentations_tbilisi



Social Media

Twitter @rladiestbilisi

Facebook @rladiestbilisi/

tbilisi@rladies.org



Resources for learning R



- Community blogs + Google your error
 - https://www.r-bloggers.com/
 - https://stackoverflow.com/
- Good for beginners:
 - Online coding school http://tryr.codeschool.com/
 - Videos https://www.youtube.com/user/TheLearnR/featured
 - Instructions for installing swirl:
- http://divenyijanos.github.io/pages/practice-examples-1.html
- Specific: Google group for ggplot2 (visualisation package) https://groups.google.com/forum/#!forum/ggplot2