



# | Welcome to R-Ladies | Cape Town



# Hello!

## I am Theoni

I am a quantitative ecologist.

I'm doing a postdoc at Nelson Mandela Metropolitan University  
and University of Cape Town





# Hello!

## I am Theoni

I am here because I want more women to use R.

I think R-Ladies is a great way to promote that.

You can find me at @theoni\_p on Twitter.

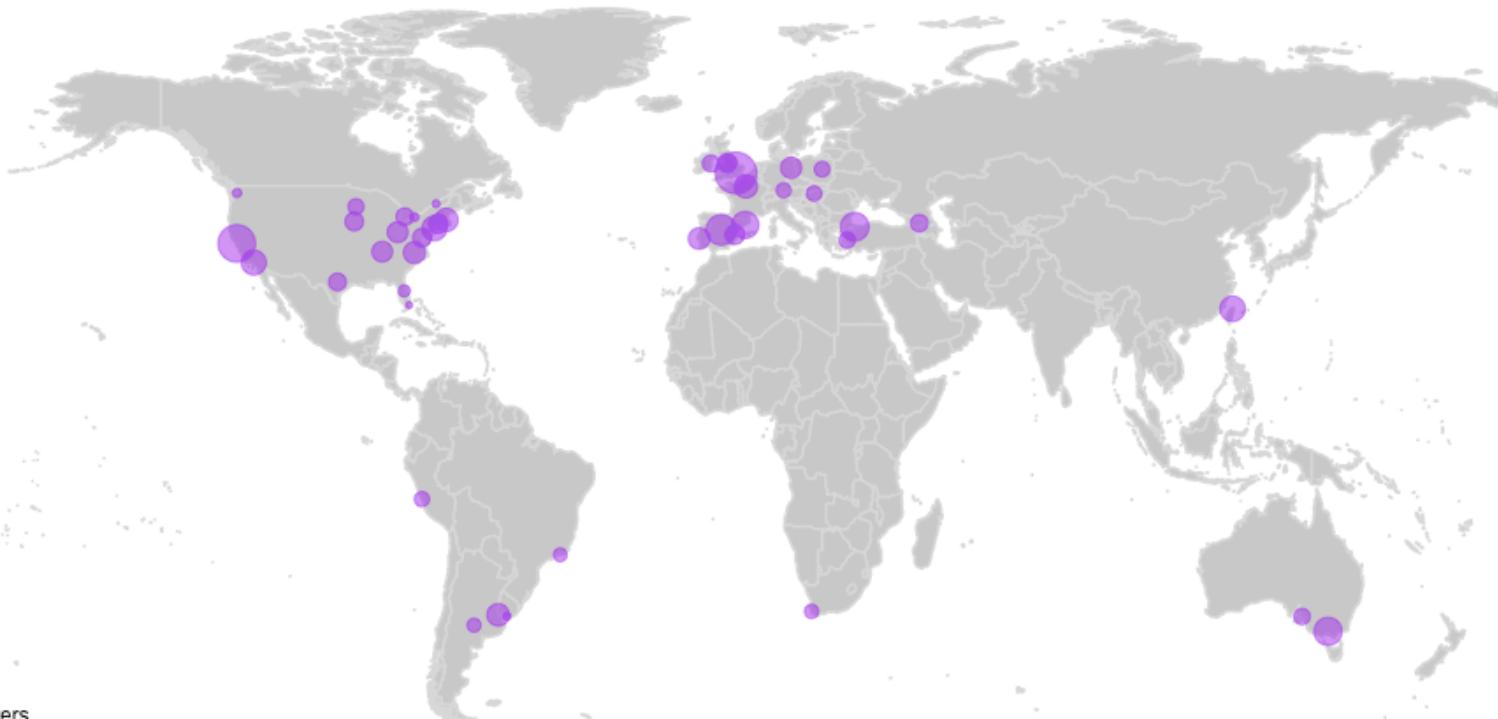


1.

## What is R-Ladies?

R-Ladies is a global organisation

The 1<sup>st</sup> R-Ladies chapter started in San Francisco in 2012



Followers

250

500

750

1000

Made by @d4tagirl



## 1.

# What is R-Ladies?

MISSION: Promote gender diversity in the R community

HOW: Encourage, inspire, empower and support

GOAL: Achieve their programming potential through a collaborative global network of R leaders, mentors, learners, and developers to facilitate individual and collective progress worldwide.

\*Please note all references to 'W/women' and 'F/female' are used fully inclusively w.r.t trans women, genderqueer women, and non-binary people who are significantly female-identified.



## 1.

# What is R-Ladies?

What about the guys?

Guys (male-identifying) can be part of R-Ladies but they cannot present or take a leadership role

\*Please note all references to 'W/women' and 'F/female' are used fully inclusively w.r.t trans women, genderqueer women, and non-binary people who are significantly female-identified.



## 1.

# What is R-Ladies?

Provide FREE events

Volunteering and funding/sponsorship where available

No commercial agenda

Groups operate to achieve stated social goals of the R-Ladies community/project

Can be supported by corporation where goals are mutual, but NOT 'used' by corporation/as a commercial vehicle for private aims



Thank you Prof Mandy Lombard!



1.

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2.

## R-Ladies online

Website: <https://www.rladies.org>

E-mail: info [at] rladies [dot] org

Twitter: @RLadiesGlobal

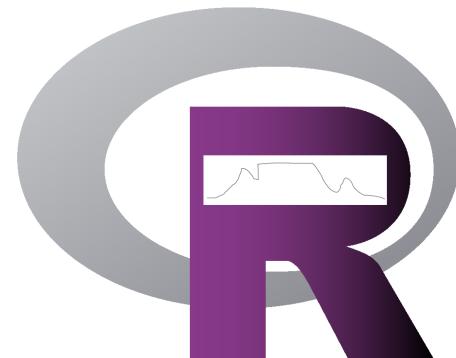
Github: <http://github.com/rladies>

Global directory of female R practitioners / speakers: <https://rladies.org/ladies/>



3.

## Where does R-Ladies Cape Town fit in?





**BIG R  
CONCEPT**



**Recruit** 

**Learn**  

**Connect** 



# Recruit



# Learn



# Connect



# Change





# Recruit



# Learn



# Connect



# Change





3.

## What is R?

R is a software language and environment.

Commonly used for statistics and data science but many many other applications... (Megan)



## 4.

# Why should we use R?

It's free and open-source and always will be.

It has a huge user community and there is loads of help online.



# How might R Ladies Cape Town Meetups play out... (example topics and example timeline)

August

September

October

December

Introduction  
to the  
tidyverse

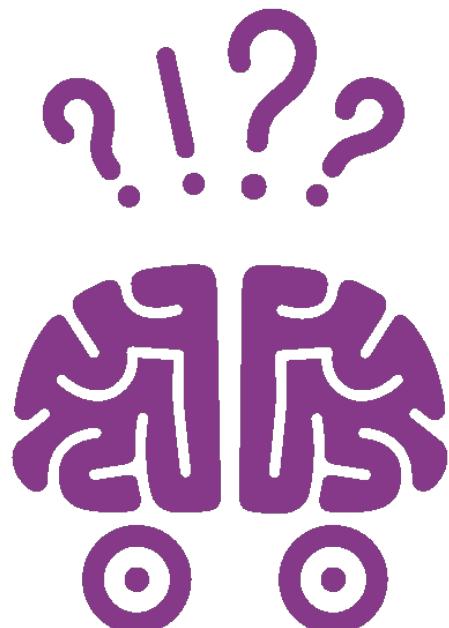
Absolute  
beginners  
intro to R

Learning  
how to do  
something  
advanced...

Using R  
Markdown  
to make  
reports



# Getting into R and data analytics



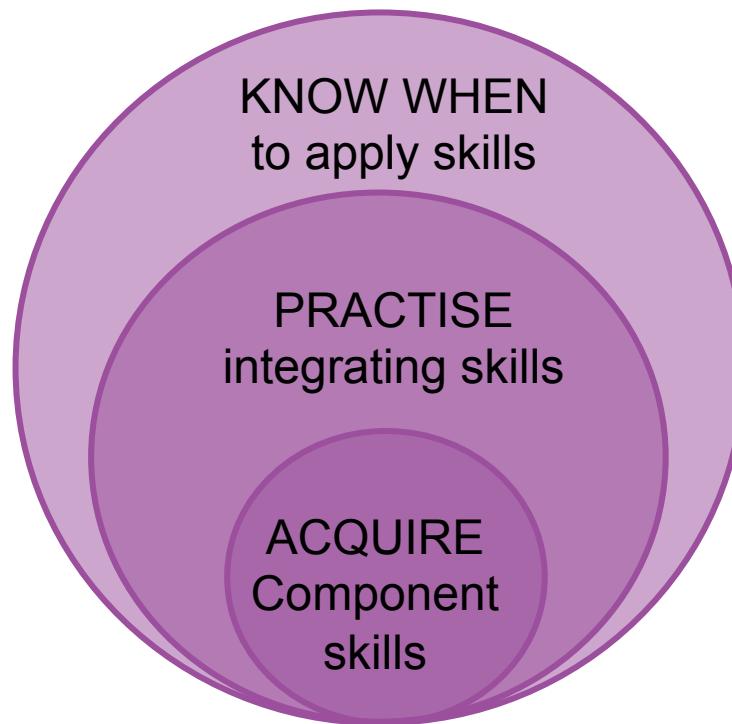
Hi! I'm Megan Beckett.

I do the learning research and analytics  
at Siyavula Education.

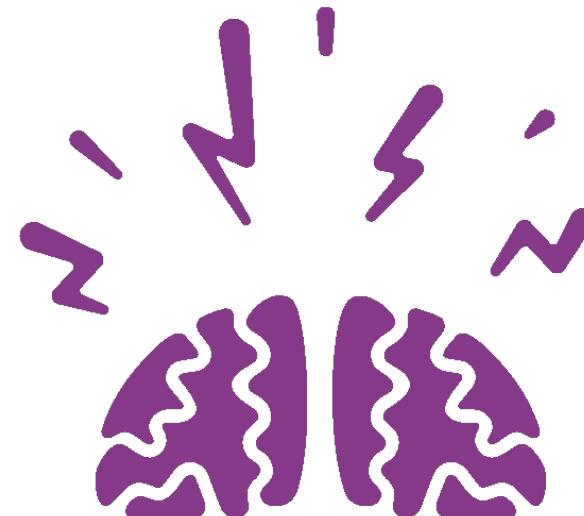
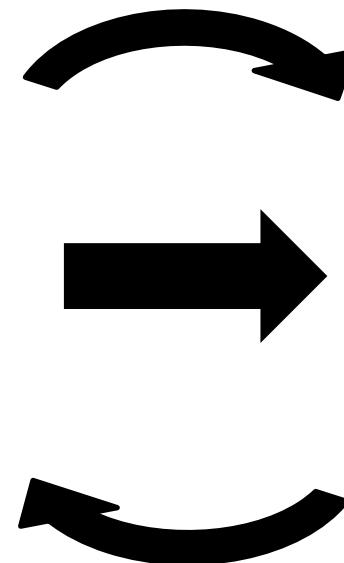
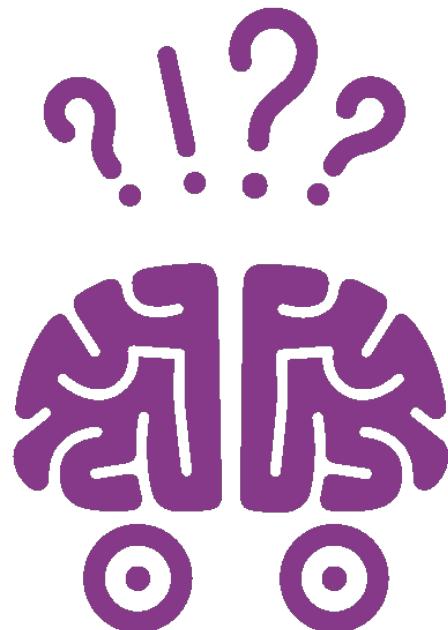


# Back to basics

MASTERY



# Back to basics





## Some resources



coursera

 UDACITY

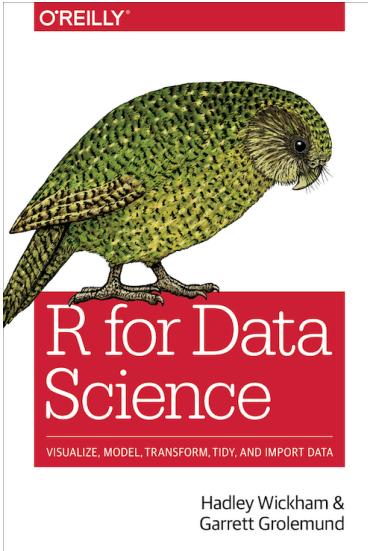


{swirl}



# Some resources

The collage consists of ten R cheat sheets arranged in three rows. The top row contains four sheets: 'Data Import' (with sections like 'Read Functions', 'Parsing data types', 'Geoms', and 'Data Transformation with dplyr Cheat Sheet'). The middle row contains four sheets: 'Tidy Data with tidyverse' (with sections like 'Tidy Data', 'Scale', 'Combine', and 'Vectorized Functions'), 'Stats and Combine Cells' (with sections like 'Missing Values', 'Handle Missing Values', 'Summary Functions', and 'Combine Tables'), 'Statistical Functions', and 'Vectorized Functions'. The bottom row contains two sheets: 'Manipulate Cases' and 'Manipulate Variables'.



Hadley Wickham &  
Garrett Grolemund



## Some resources



R bloggers  
1 hr · Rectangular Snip

Data visualization with googleVis exercises part 7



Data visualization with googleVis exercises part 7

Table, Org Chart & Tree Map In the seventh part of our series we are going to learn about the features of some interesting types of charts. More specifically we will talk about Table, Org Chart...

R-BLOGGERS

Like Comment Share

23



**Please fill in the  
questionnaire online**

**How much experience you have with R, if any**

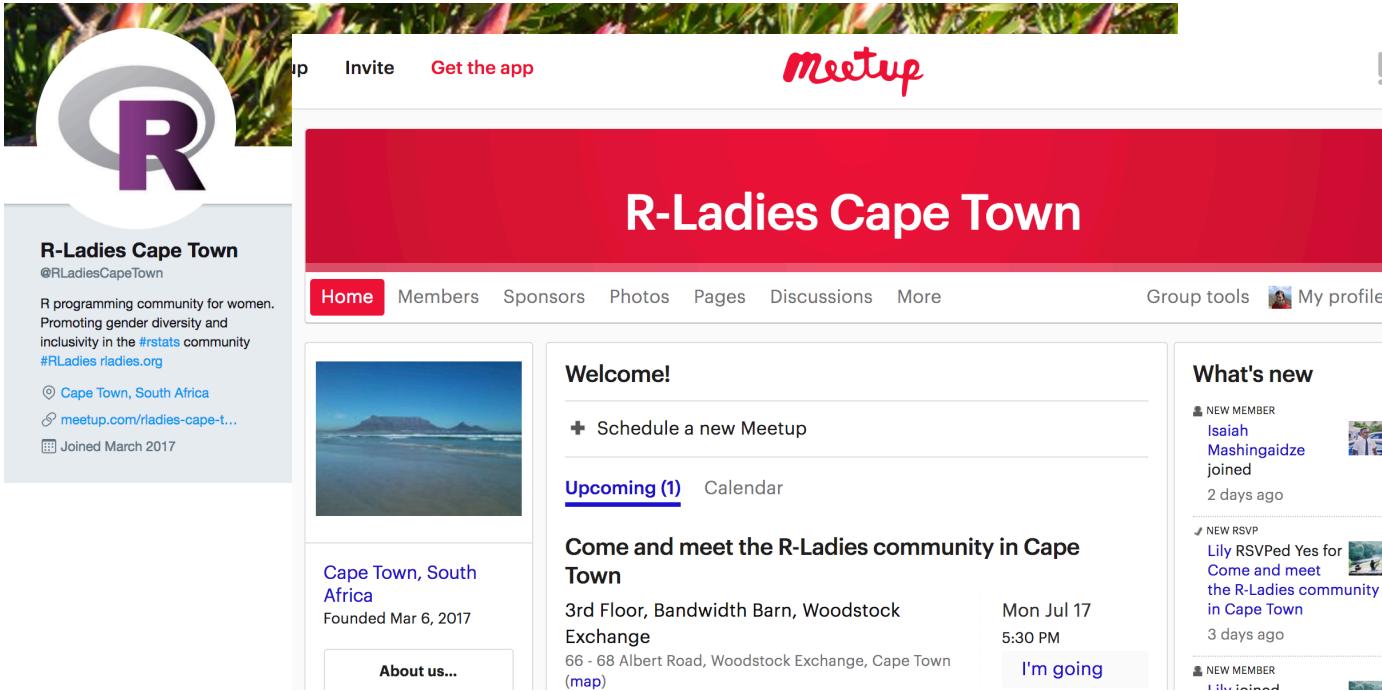
**When you can come to meetings**

**What you're looking for in R-Ladies events**

**Here's the link**



# R-Ladies Cape Town online



The screenshot shows the homepage of the R-Ladies Cape Town Meetup group. At the top, there's a navigation bar with 'Meetup' and 'Invite Get the app'. Below it is a red banner with the group's name. The main content area has tabs for 'Home', 'Members', 'Sponsors', 'Photos', 'Pages', 'Discussions', and 'More'. On the left, there's a sidebar with the group's logo, name, and location information: 'Cape Town, South Africa' and 'Founded Mar 6, 2017'. There's also a link to 'About us...'. The central part of the page features a 'Welcome!' section with a button to 'Schedule a new Meetup'. Below that is an 'Upcoming (1)' section for a meeting on 'Mon Jul 17 5:30 PM' at '3rd Floor, Bandwidth Barn, Woodstock Exchange' with a link to '66 - 68 Albert Road, Woodstock Exchange, Cape Town (map)'. A button labeled 'I'm going' is present. To the right, there's a 'What's new' section showing recent activity: a new member named Isaiah Mashingaidze joined 2 days ago, and a member named Lily RSVPed 3 days ago. There's also a mention of a new member named Lulu joining.

@RLadiesCapeTown | [meetup.com/r ladies-cape-town](https://meetup.com/r ladies-cape-town) | [capetown@rladies.org](mailto:capetown@rladies.org)

Soon there will also be a Slack channel for all R-Ladies worldwide!