

# Official Launch: R Ladies Abuja, Nigeria

21st March, 2020



Bilikisu Aderinto  
Business Data Analyst

# Overview

- What is R?
- Why R?
- What is RLadies?
- Launching RLadies Abuja
- Future for RLadies Abuja

# What is R?

- Programming Language and environment for statistical computing and graphics
- Free Software
- RStudio

C:/Users/bilq/Documents/abujanusergroup/2020/string/Data Manipulation - Strings - RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Data Manipulation - Strings

```
forcatfactors.R gapminder_df
```

```
1. # Data Manipulation - Factors with Forcats ---
2.
3. # Categorical variables store both character and integer types
4. # Factors are used to store categorical variables in R.
5. # The values of a factor can have are called the levels.
6. # R actually stores the values of factors as integer
7. # For examples: male, female, others => 1, 2, 3, etc.
8.
9. # Package
10. library(tidyverse)
11.
12. # Import Data
13. comedy_train_tbl <- read_csv("train.csv")
14.
15. # Comedians
16. comedy_train_tbl %>% count(joke_identifier)
17.
18. comedy_train_tbl <- comedy_train_tbl %>%
19.   mutate(Comedian=case_when(
20.     str_detect(joke_identifier,"Akororo") ~ "Akororo",
21.     str_detect(joke_identifier,"AliBaba") ~ "AliBaba",
22.     str_detect(joke_identifier,"AY") ~ "AY",
23.     str_detect(joke_identifier,"BasketMouth") ~ "BasketMouth",
24.     str_detect(joke_identifier,"Bovi") ~ "Bovi",
25.     str_detect(joke_identifier,"Funny Bone") ~ "Funny Bone"
26.   )
27. )
```

129:26 2.7 Change order of the levels of a Factor - R Script

Environment History Connections Git

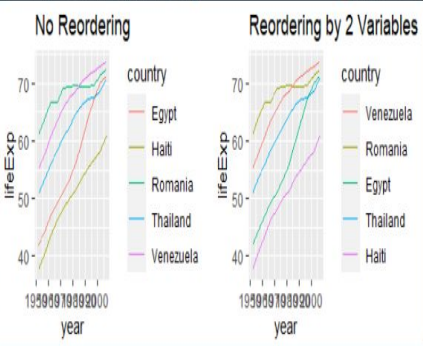
Console C:/Users/bilq/Documents/abujanusergroup/2020/string/Data Manipulation - Strings/

```
> viewers_by_comedian_fct_drop$Comedian %>%
+   fct_drop() %>%
+   fct_recode("KDD" = "Klint De Drunk",
+             "Ali" = "AliBaba",
+             "Akpos" = "Akororo",
+             "AY" = "AY",
+             "BM" = "BasketMouth",
+             "Bovi" = "Bovi",
+             "IGD" = "I Go Dye",
+             "Seyi" = "Seyi Law") %>%
+   levels()
[1] "Seyi" "BM" "AY" "Akpos"
[5] "Bovi" "IGD" "Ali" "KDD"
> |
```

Files Plots Packages Help Viewer

Zoom Export Publish

No Reordering Reordering by 2 Variables



lifeExp year

country

1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000

lifeExp year

country

1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000

Type here to search

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# Why R?

- Free
- Open source
- Reproducible
- GUI - RStudio

C:\Users\bilq\Documents\abujanusergroup\2020\string/Data Manipulation - Strings - RStudio

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Go to file/function Addins

Data Manipulation - Strings

forcatfactors.R gapminder\_df

Source on Save Run Source

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129:26 2.7 Change order of the levels of a Factor R Script

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Console C:\Users\bilq\Documents\abujanusergroup\2020\string\Data Manipulation - Strings\

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No Reordering Reordering by 2 Variables

lifeExp country

year

lifeExp country

year

1999 1999 1999 2000

1999 1999 1999 2000

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# What is R Ladies?

- Global Organization
- Local Chapters

<https://rladies.org/>



# What is RLadies?

“As a diversity initiative, the mission of R-Ladies is to achieve proportionate representation by encouraging, inspiring, and empowering people of genders currently underrepresented in the R community.”



# Dr. Claudia Vitolo

Scientist

European Centre for Medium-range  
Weather Forecasts

**City**

London

United Kingdom

**Blog:** Blog

**Website:** Github

<https://rladies.org/ladies-complete-list/name/claudia-vitolo/>

# Erin LeDell, PHD

Chief Machine Learning Scientist

H2O.ai

**City**

Oakland CA

United States

**Website:** GitHub

**Website:** Academic Website

<https://rladies.org/ladies-complete-list/name/erin-ledell/>







# Hannah Frick, PHD

Data Scientist

Mango Solutions

**City**

London

United Kingdom

**Website:** GitHub

**Website:** Academic Website

<https://rladies.org/united-kingdom-rladies/name/hannah-frick/>

# Laura Acion, PHD

Adjunct Reseach Scientists

Instituto de Cálculo, FCEN,  
CONICET-UBA

(<http://www.ic.fcen.uba.ar/>) /

Fundación Sadosky

(<http://www.fundacionsadosky.org.ar/>)

**City**

Buenos Aires

Argentina

<https://rladies.org/united-kingdom-rladies/name/hannah-frick/>



# Launching RLadies in Abuja

- You are welcome
- First Meetup: **21st March, 2020**
- Member of a Global Community
- Support RLadies Global mission



# **BILIKISU W. ADERINTO**

Business Data Analyst/Managing Partner

Business Data Laboratory Limited

**City**

Abuja

Nigeria

<https://rladies.org/nigeria-rladies/name/bilikisu-aderinto/>

# Future for RLadies in Abuja

- Focus on members of **all** R proficiency levels and skill sets
- Promote and develop our members' R skills & knowledge through social, collaborative learning & sharing

# Future for RLadies in Abuja

- Supports minority identity access to skills & careers, and
- Making a positive impact and contributing to the local and global R community

# Members on Meetup

Ada Chikamnele

ada Nnasor

ADEGBOLA

Ajala Michael

Ayobami Adebajo

Big Khalifa

Bilikisu Aderinto

Blessing Abah Sunday

Blessing Kennedy

Boltin Jacob

---

# Members on Meetup

Cecile Ashibel  
chidi chris Jahdiel  
Chimdimma  
Chinenye Nnaji  
chioma iwu  
Damilotun Olugbile  
Greennigeria Radioshow  
ife ayeni  
Ime  
Iton Egopija  
Izuchukwu Ozoemena

---



# Members on Meetup

Jane Onwuchekwa

Keyo Bassey

maimuna bello

mizdecentino

Nelly Kalu

odejide seun

olatunji marvellous

OLUBUKOLA

Omo

---

# Members on Meetup

R-Ladies Global

Ra'Man Farrari

Rosette Orji

Shola B.

Sovi Sewubo

Sultan Nnaemeka Good-luck

Mordi

Tiwaloluwa Olamide

Victoria James

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# RLadies Abuja

**Meetup:**

<https://www.meetup.com/rladies-abuja/>

**Twitter: @RLadiesAbuja**

<https://twitter.com/RLadiesAbuja>

**Thank you!**