



R-Ladies Brisbane

Introduction to R and RStudio

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Atefeh Taherian Fard

Australian Institute for Bioengineering and Nanotechnology (AIBN)

The University of Queensland

R-Ladies Brisbane

- R-Ladies was established in October 2012
 - To promote gender diversity in the R community
 - 41 countries, 134 groups and 35795 members
- R-Ladies Brisbane was funded in 2018
- First meet-up in December 2018
 - Start with an introductory workshops
 - Advance throughout the year
 - Networking events and talks





R!

- Programming language
 - Free and open source
 - Can be integrated with other programming languages (C/C++, Java and Python)
- Applications
 - One of the most popular language
 - Great tool to explore and investigate data
 - Statistical testing
 - Data visualisation
 - Facebook, Google, Ford Motor Company and millions of people Worldwide from different fields are using R language
 - *Finance, Bio Science, Supply chain, Sports, Retail, Marketing, and Manufacturing.*





RStudio

- It's an Integrated Development Environment (IDE) for R
- A platform to use R
- Makes R easier to use
- Provides many features for authoring, modifying, compiling, deploying and debugging software
- You can use R without RStudio but you can't use RStudio without R



Learning Resources:

- Software Carpentries: <https://software-carpentry.org/>
- Rosalind: <http://rosalind.info/problems/list-view/>
- DataCamp: <https://www.datacamp.com/>