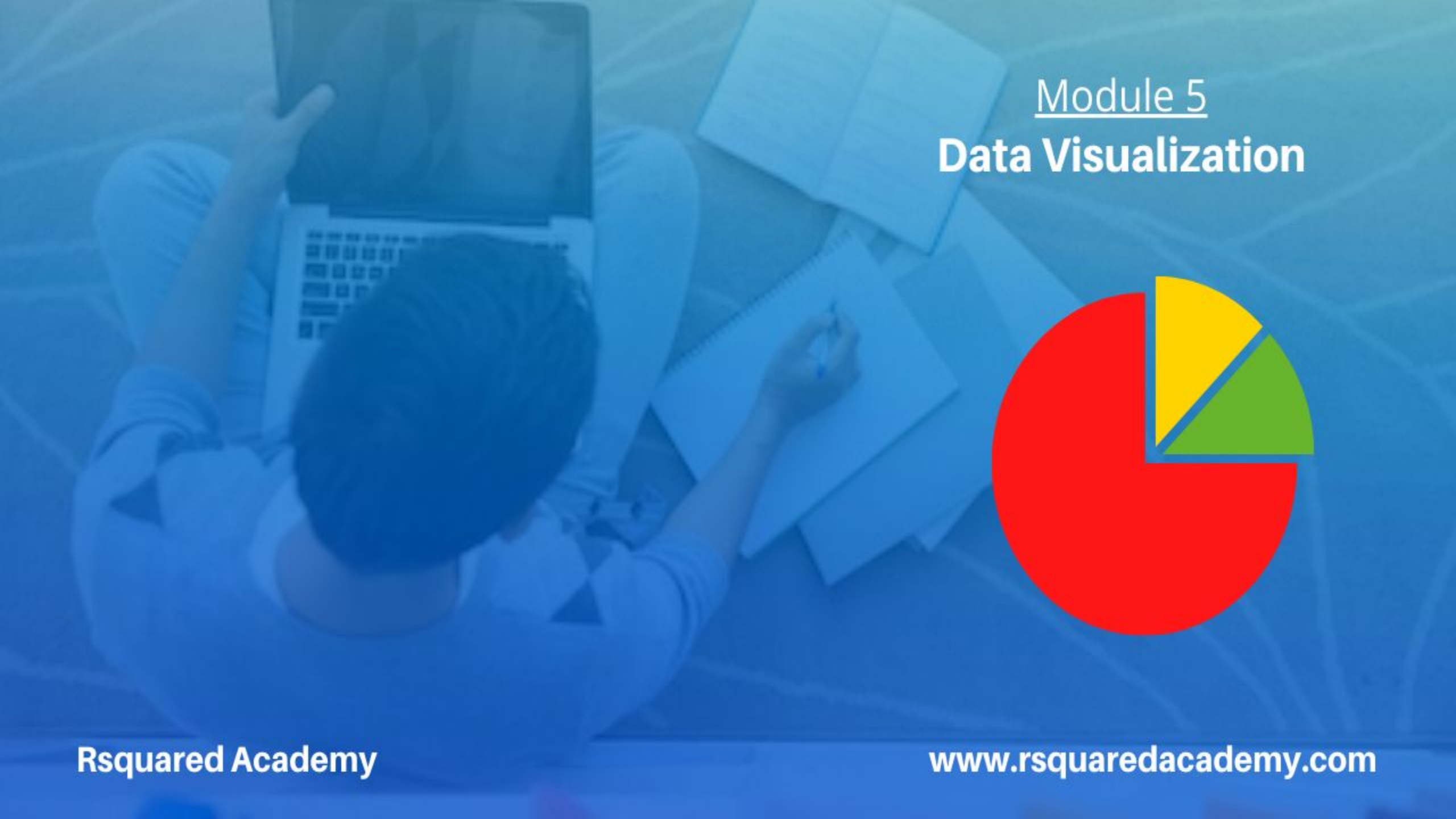


Module 5

Data Visualization

Rsquared Academy

www.rsquaredacademy.com

Agenda

- univariate bar plot
- bivariate bar plot
  - grouped
  - stacked
  - proportional
- mosaic plot
- pie chart
- donut chart

Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Resources

→ Slides

→ Code & Data

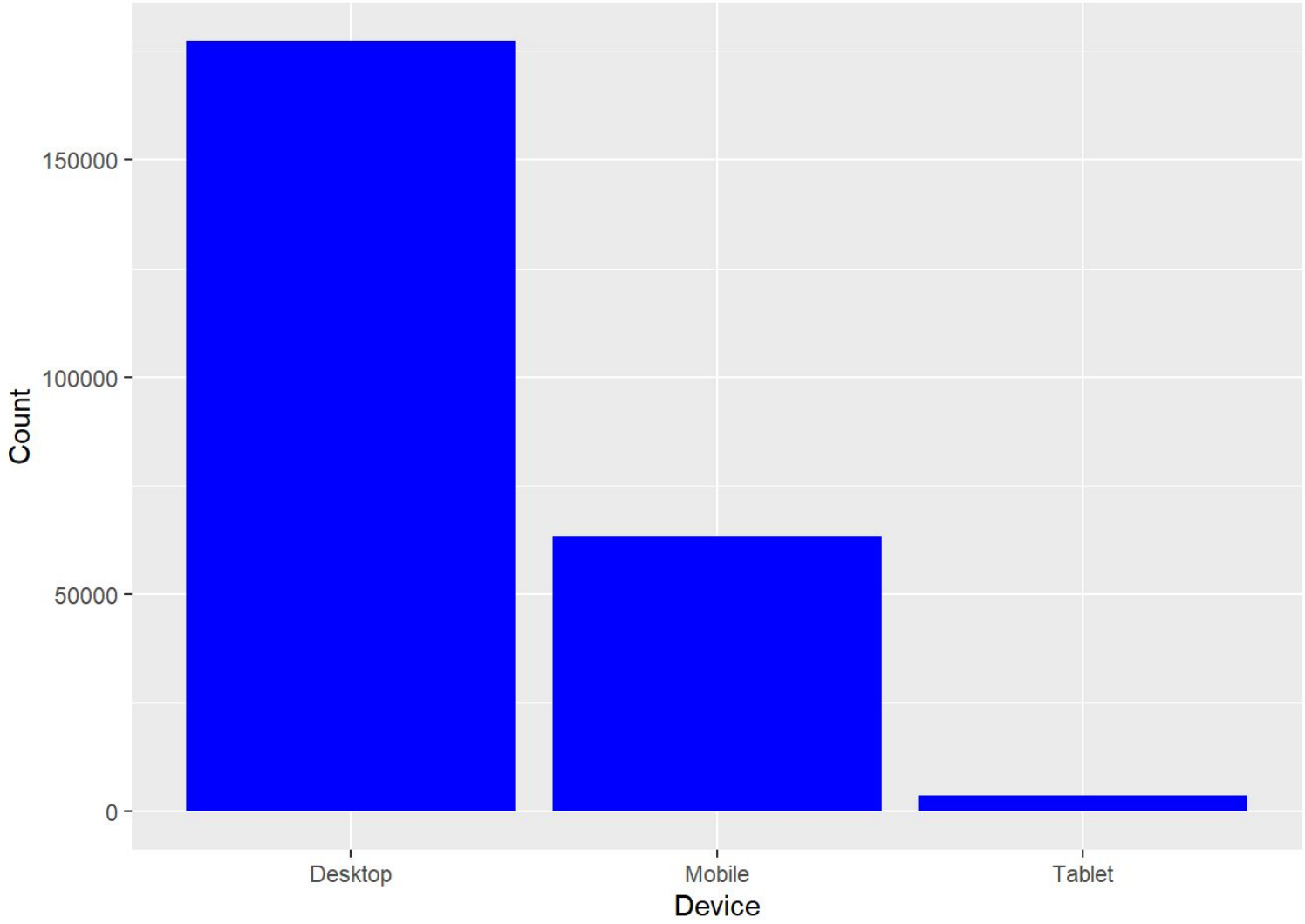
→ RStudio Cloud

→ Online Course

→ Blog Post

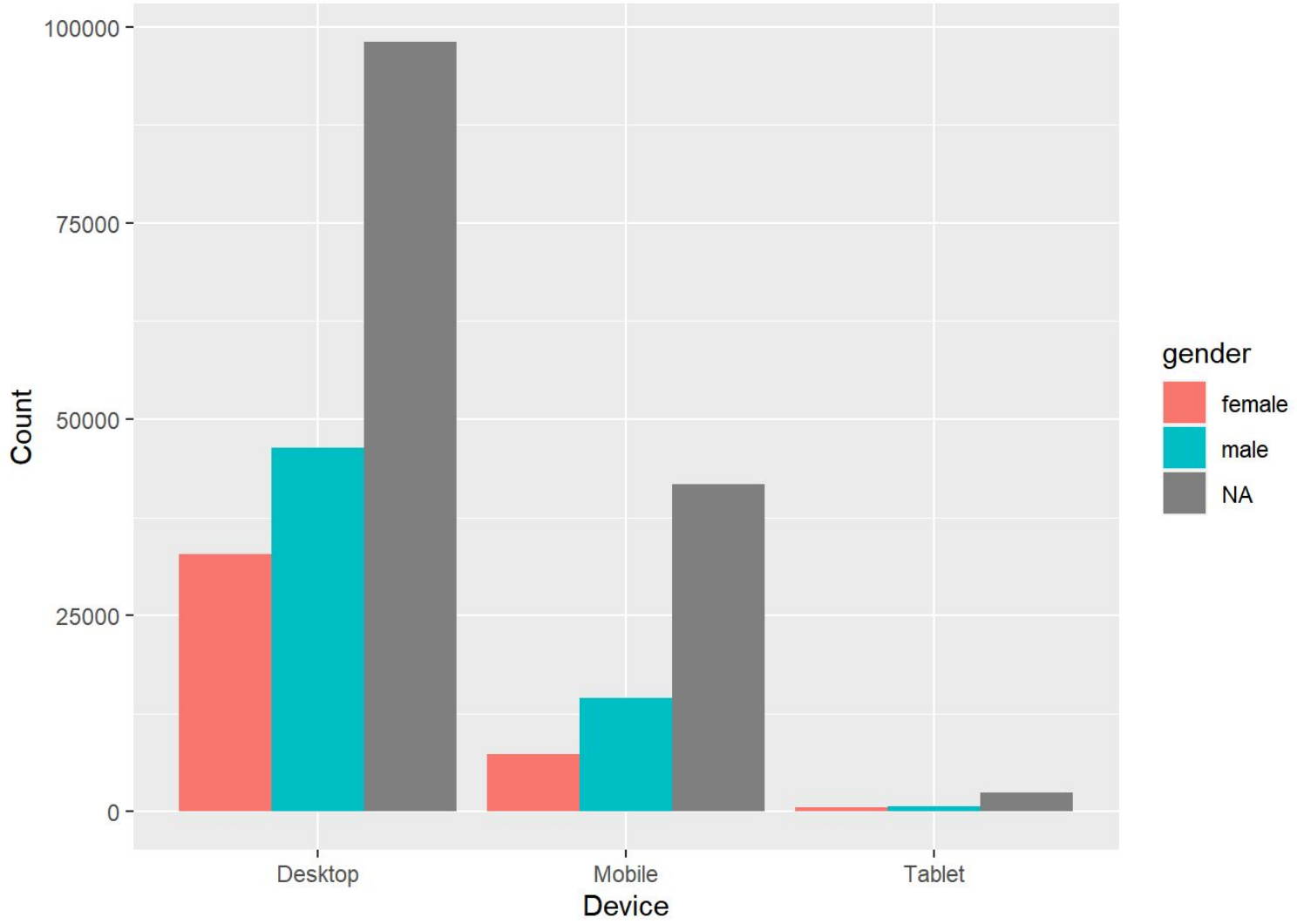
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Bar Plot



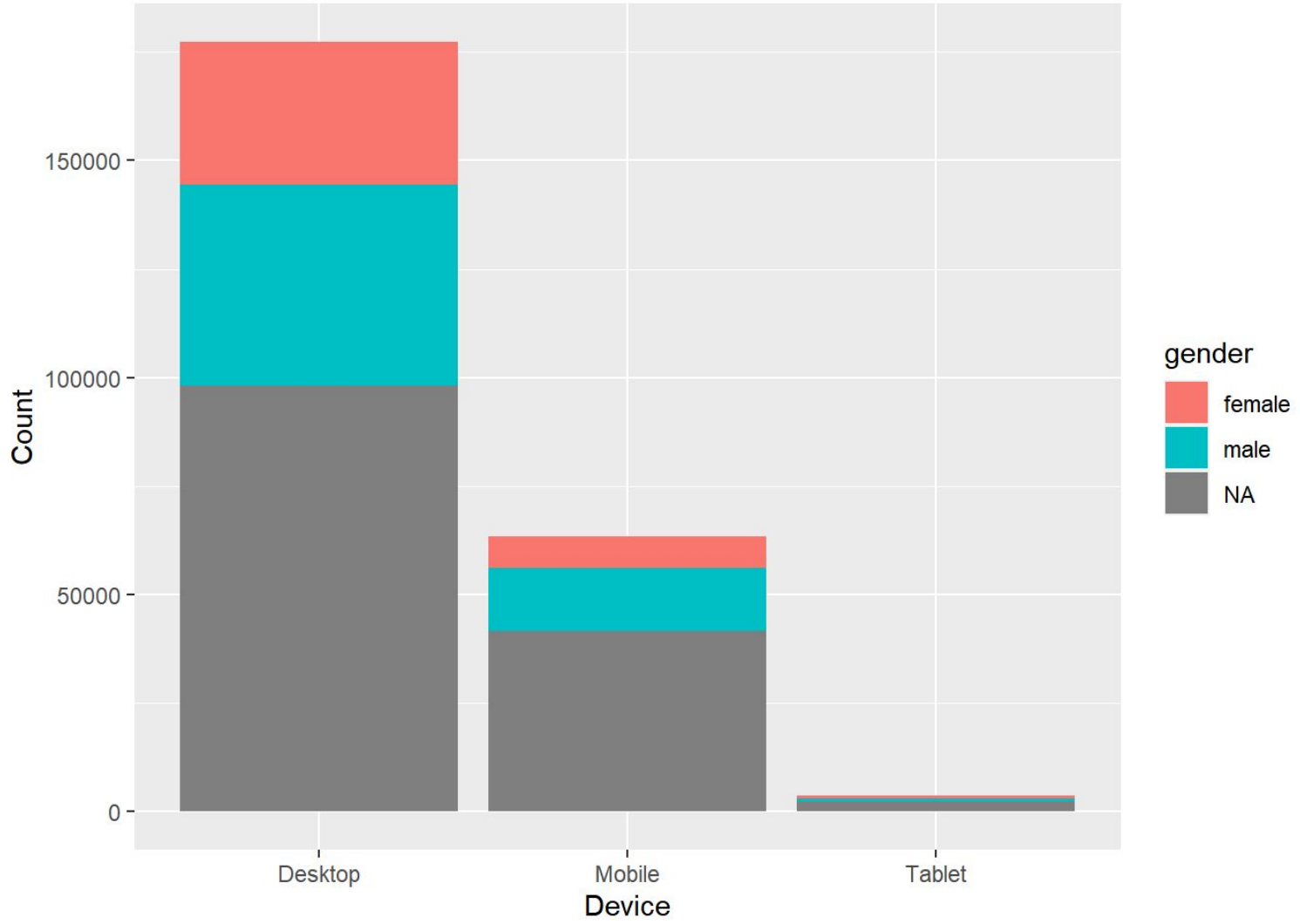
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Grouped Bar Plot



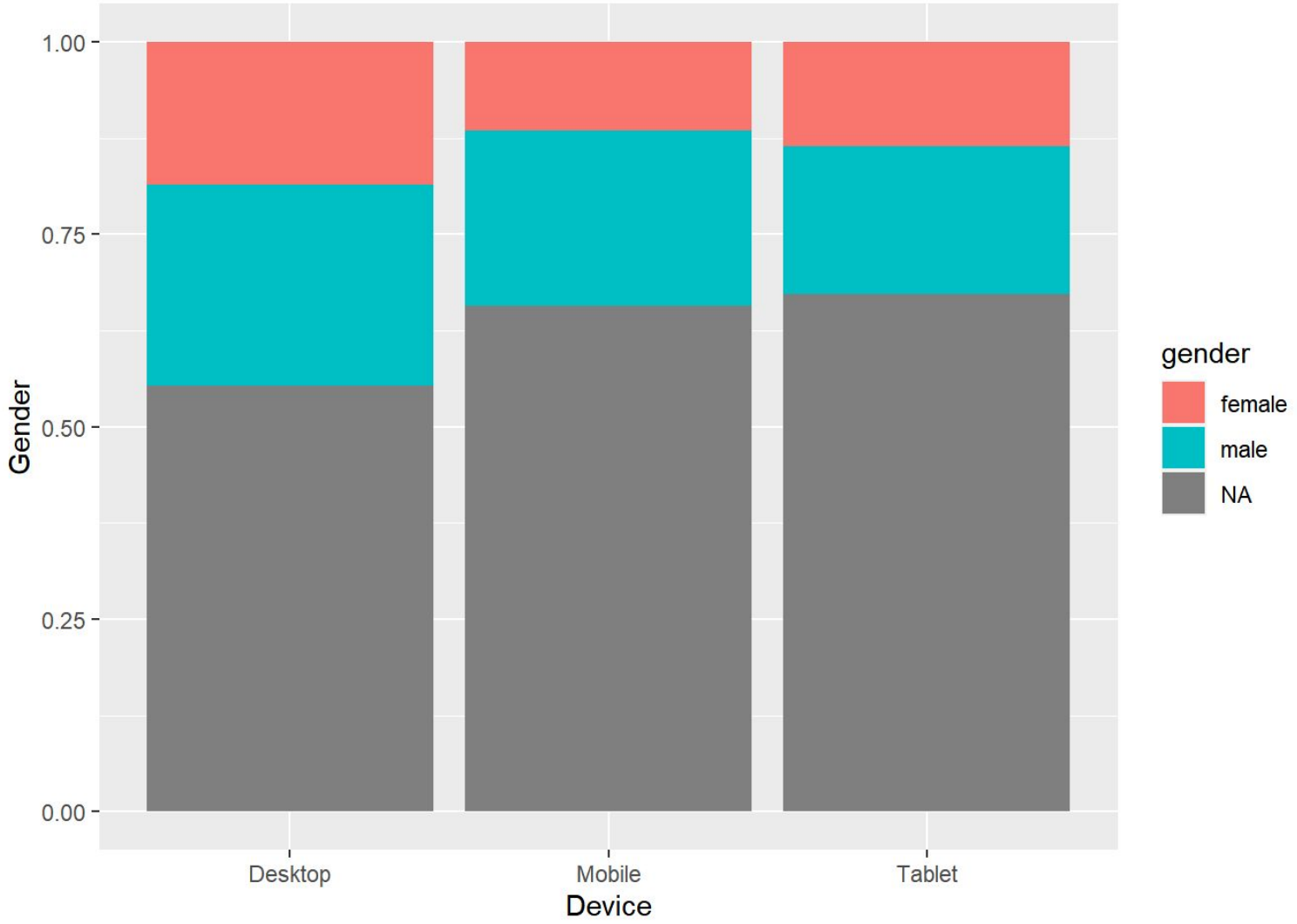
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Stacked Bar Plot



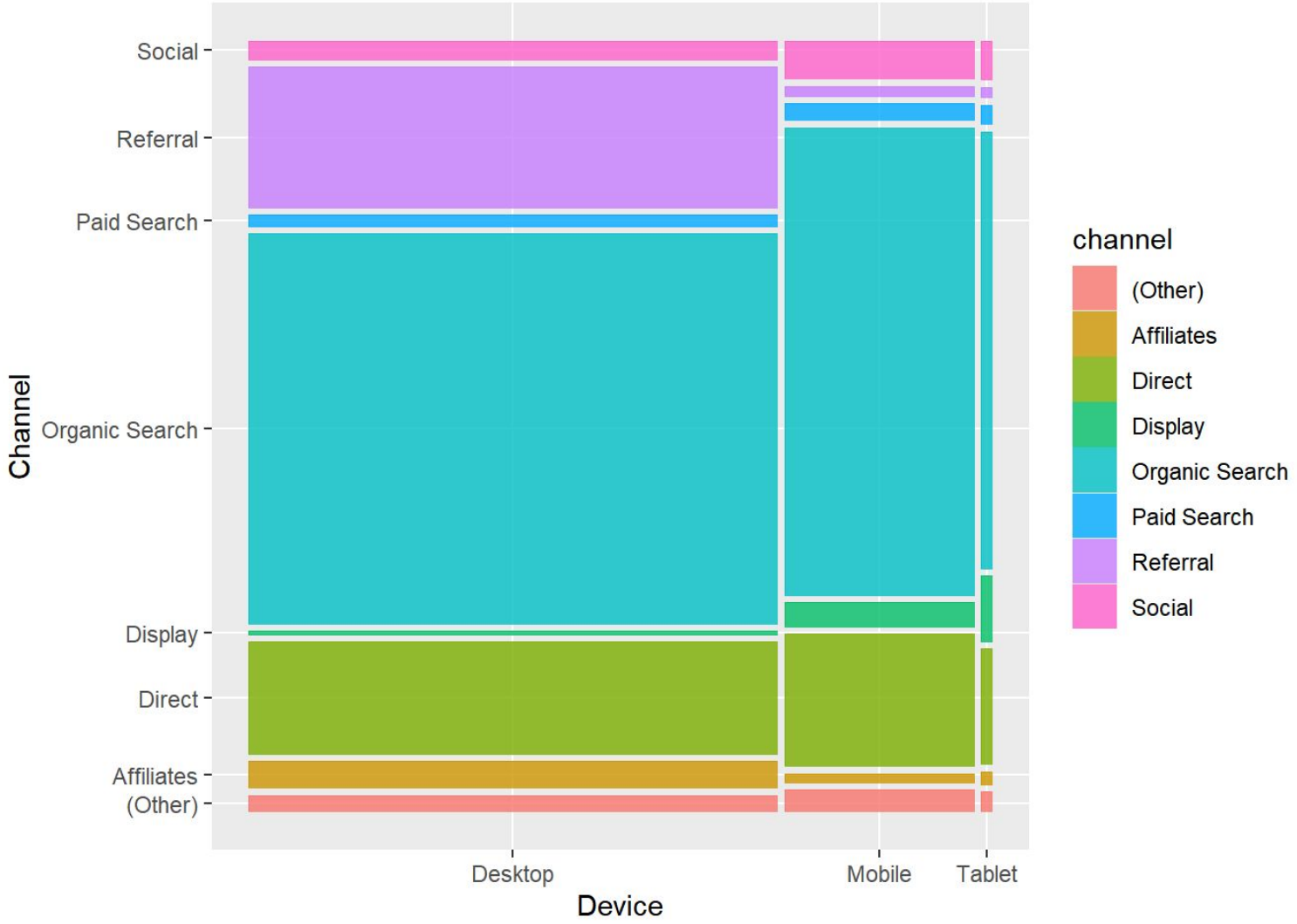
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Proportional Bar Plot



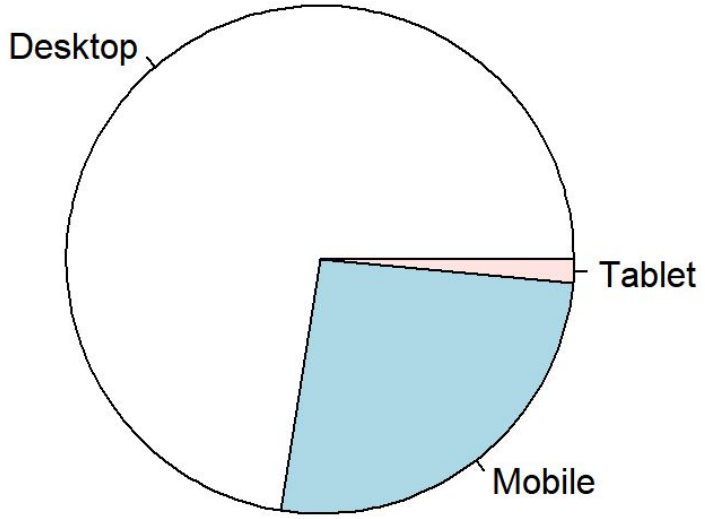
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Mosaic Plot



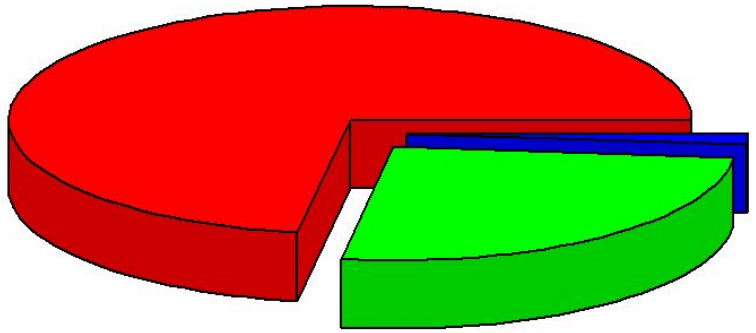
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Pie Chart



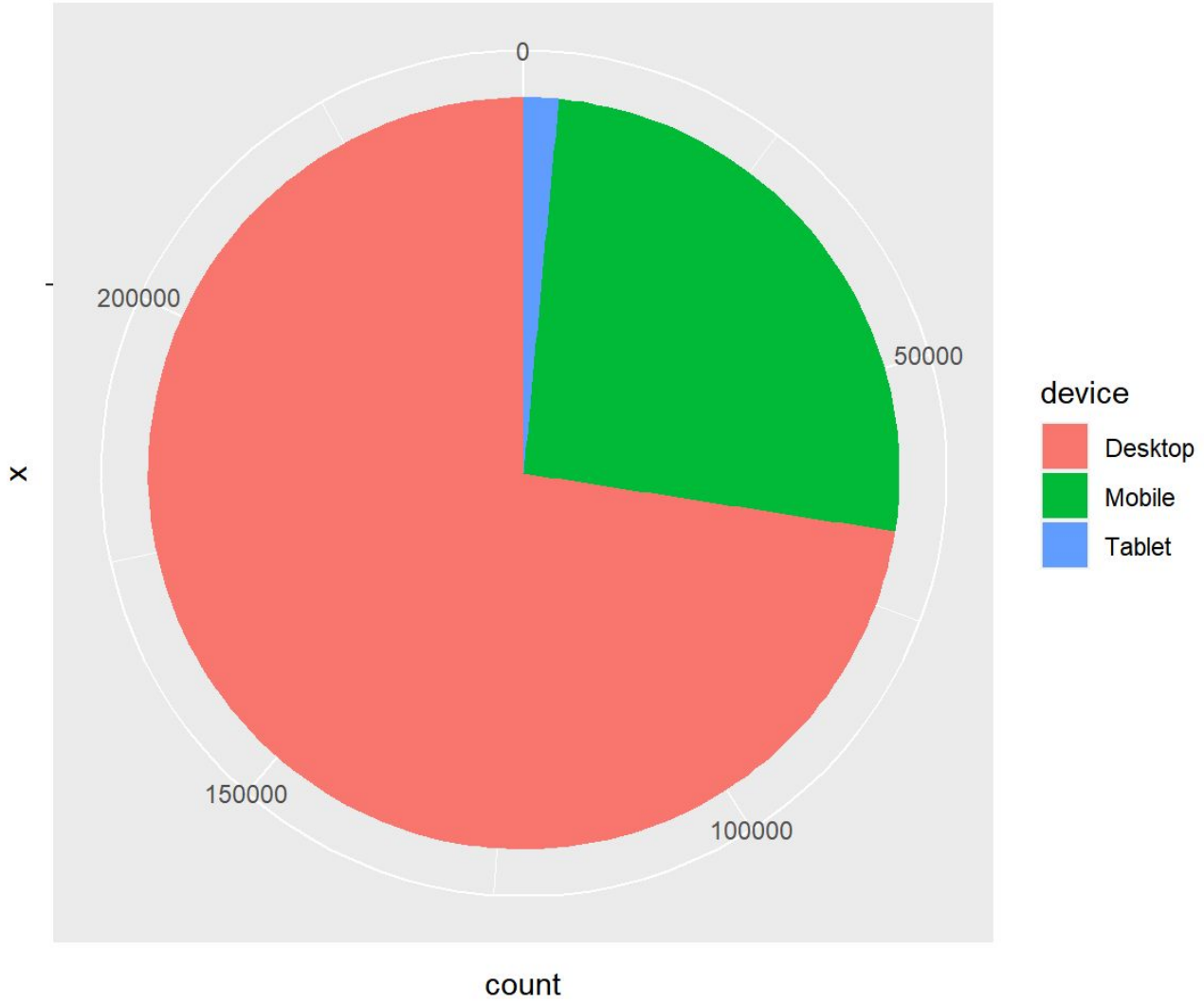
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

3D Pie Chart



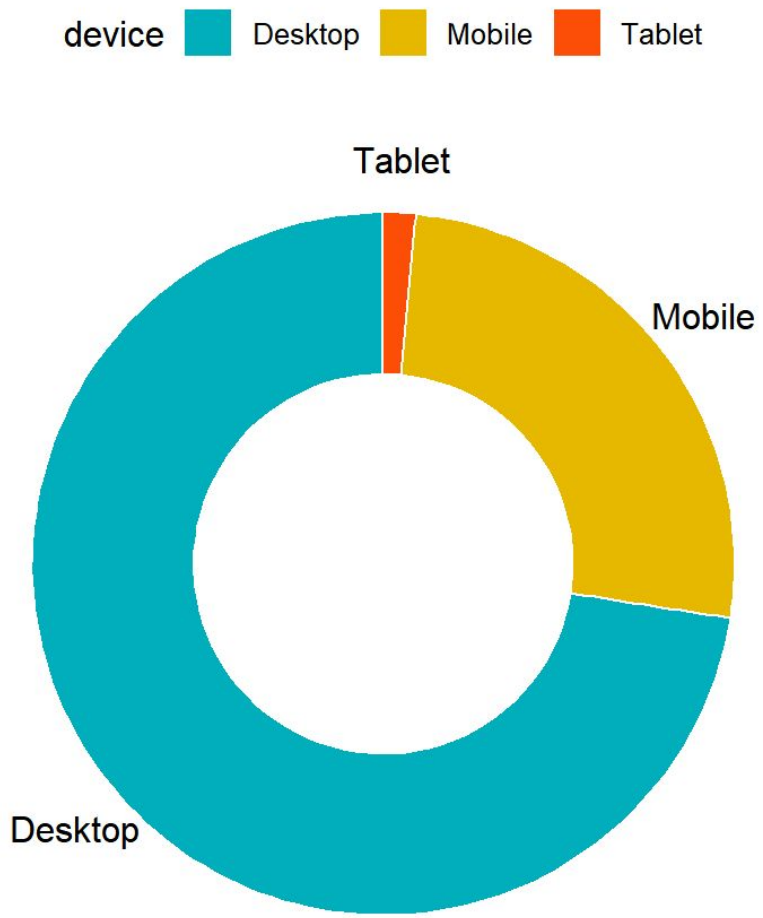
Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Pie Chart



Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Donut Chart



Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Summary

- → Bar charts provide a visual representation of categorical data
- → Use grouped bar chart to make comparison against different categories of data
- → Use stacked bar chart while looking at cumulative data
- → Use proportional bar chart when you want to concurrently observe each of the several variables as they fluctuate
- → Use mosaic plot to discover associations between two variables
- → Use pie chart and donut chart when comparing each group's contribution to the whole

Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

NOW, IT'S YOUR TURN
makeameme.org

References

- https://forcats.tidyverse.org/
- https://r4ds.had.co.nz/factors.html
- https://recipes.tidymodels.org/reference/discretize.html
- https://ggplot2.tidyverse.org/
- https://haleyjeppson.github.io/ggmosaic/
- https://rpkgs.datanovia.com/ggpubr/reference/ggdonutchart.html

Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Connect With Us

→ Website

→ Free Online R Courses

→ R Packages

→ Shiny Apps

→ Blog

→ GitHub

→ YouTube

→ Twitter

→ Linkedin

Looking for online Data Science training? Call us at +91-9606872504 or visit **www.rsquaredacademy.com**

Thank You

For more information please visit our website
www.rsquaredacademy.com