

# **R-Craft Beginner's Guide (v01)**



To write it, it took three months; to conceive it, three minutes; to collect the data in it, all my life.

**-F. Scott Fitzgerald**

## Contributors

## About the Book

This beginner-friendly book introduces the R programming language in simple English. It covers the fundamentals of R, including data types, variables, vectors, control structures, data frames, functions, and basic data visualization techniques.

Ideal for students and professionals who want to get started with data analysis, statistics, or programming using R.

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# 1

## Introduction

### 1.1 What is R?

R is a programming language designed specifically for data analysis and statistics. It allows you to organize, analyze, and visualize data easily. Whether you have numbers, tables, or complex datasets, R provides powerful tools to help you make sense of your information. Used widely by researchers, data scientists, and analysts, R is a valuable skill that opens doors to many fields like business, healthcare, and technology. Best of all, R is free and open source, which means anyone can download and start using it right away.

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