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**R Programming  
Language**

**Department of Statistics**

**High Education: Master**

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**Contents**

|  |
| --- |
| **Chapter One** |
| Overview of R |
| What is R |
| Weakness |
| Extensibility and Documentation |
| R Manuals |
| R Mailing Lists |
| **Chapter Two** |
| R and RStudio Installation for Windows |
| R Installation for Windows |
| R Working Area |
| The Menu Bar |
| File |
| Edit |
| Customization |
| Misc |
| Packages |
| Windows |
| Stopping R |
| Installing and Loading R Packages |
| Help (Getting Help in R) |
| The Toolbar |
| **Chapter Three** |
| The Interface R-Studio |
| Installing R Studio Desktop |
| R Studio Screen |
| Understanding RStudio |
| R Studio Screen: R Script (Source) |
| R Studio Screen: Environment |
| R Studio Screen: Console |
| R Studio Screen: File, Plot, Packages, Help Tab |
| R Studio Screen: Packages Tab |
| R Studio Screen: Plots Tab |
| R Studio Screen: Tools Tab |
| **Chapter Four** |
| Session Management of R |
| In an R Session… |
| Specific Tasks |
| R prompt |
| The Objects |
| String in R |
| Controlling the Workspace |
| Listing and Deleting Objects in Memory |
| Programming in R : The R Language: Basic Syntax |
| Variable Names |
| Operators in R |
| 1. Arithmetic Operators |
| 2. Assignment Operators |
| 3. Relational Operators |
| 4. Logical Operators |
| 5. Special Operators |
| Comments, line continuation and Esc |
| Editing statements |
| **Chapter Five** |
| The Data in R |
| Data Structures in R |
| Simple Variables |
| The R Language: Data Types |
| Dates in R |
| **Chapter Six** |
| Input of Data |
| Data Types |
| Scalars |
| Vectors |
| Editing data objects |
| Matrices and Arrays |
| Functions for manipulating matrices |
| Lists |
| Factors |
| The Data Frames |
| Eliminating duplicate rows from a dataframe |
| apply Function Family in R |
| Adding rows and columns to the matrix |
| apply |
| lapply |
| sapply |
| vapply |
| replicate |
| mapply |
| tapply |
| **Chapter Seven** |
| Reading data into R |
| Saving your Work |
| How to Export Data from R |
| **Chapter Eight** |
| Manipulating Data |
| **Chapter Nine** |
| The Basic Graphics in R |
| **Chapter Ten** |
| The Statistical Analyses in R |
| **Chapter Eleven** |
| The Probability Distributions in R |
| **Chapter Twelve** |
| Write Function in R |
| **Chapter Thirteen** |
| Conditional Commands in the R |

**References**

For R,

-The basic reference is The New S Language: A Programming Environment for Data Analysis and Graphics by Richard A. Becker, John M. Chambers and Allan R. Wilks (the “Blue Book”) .

-The new features of the 1991 release of S (S version 3) are covered in Statistical Models in S edited by John M. Chambers and Trevor J. Hastie (the “White Book”).

-Classical and modern statistical techniques have been implemented.

* + - Some of these are built into the base R environment.
    - Many are supplied as packages. There are about 8 packages supplied with R (called “standard” packages) and many more are available through the cran family of Internet sites (via http://cran.r-project.org).
* All the R functions have been documented in the form of help pages in an “output independent” form which can be used to create versions for HTML, LATEX, text etc.

-The document “An Introduction to R” provides a more user-friendly starting point.

-An “R Language Definition” manual

-More specialized manuals on data import/export and extending R.