

# AN INTRODUCTION TO R PROGRAMMING

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## #MAIN OBJECTIVE

This `as.integer(3)` day (6 Hours) online `as.character("R")` lecture series is designed to introduce the basics of R programming and its essentials for data science to the interested students.

## #DAILY SCHEDULE

**DAY 1, SATURDAY 19:00-21:00** – *May I introduce R and RSTUDIO ? Creating and Manipulating Objects*

DURATION <- 2 HOURS # 1\*(10 MIN) BREAK

- What is R and RSTUDIO, Why R is important ? How to install ?
- General issues and Package installation in R.
- Typing Small Scripts over different objects.
- More Details about R objects and their properties.

**DAY 2, SUNDAY, 19:00-21:00** – *More on Programming*

DURATION <- 2 HOURS # 1\*(10 MIN) BREAK

- Control statements and basics of loops.
- How to write an R function ?
- What about efficient programming ? Quick overview
- Lapply family: Some examples

**DAY 3, MONDAY, 19:00-21:00** – *Babyhood for Data Science with R*

DURATION <- 2 HOURS # 1\*(10 MIN) BREAK

- Importing and Exporting Data Sets.
- Data Wrangling: Some examples
- Understanding the properties variables and descriptive statistics.

## #INSTRUCTOR

**Dr. Ozan Evkaya**, (Postdoc Researcher, University of Padova, ITALY)

PhD = c("Statistics"); MSc <- c("Actuarial Science"); BSc <- c("Mathematics")

## #SOURCES

Will be announced and shared during the online lectures regularly.