Introduction to R For Data Science

R is the gold standard programming language today for data scientist. R provides a wealth of libraries for data manipulation, visualization, and data modeling. R packages allows a beginner data scientist to build simple to sophisticated models quickly and easily in a few lines of code.

The course aims to quickly bring up to speed a programmer or business analyst who already know how to program in other language or have done advanced Excel MACROS to begin using R as a data science tool.

In the course, we will define data science and explore the first two things a data scientist must do – cleaning and visualizing data. We will learn and use R’s dplyr, ggplot and ggvis packages for these tasks. We will move on to further steps in the Data Science Workflow - training models and testing them. We will do this by applying machine learning models to various industry-relevant data science problems. Our tool of choice will be the caret package.

At the end, you should have a working knowledge of how to solve data science problems with R.

DATE
21 - 22 September 2017

DURATION
2 Days; 9.00am to 5.30pm daily

VENUE
NUS University Town Education Centre (Level 2)
8 College Avenue West
Singapore 138608
ERC Seminar Room 2

FEE
S$1,605 (includes GST)

REGISTRATION CLOSES ON 14 SEPTEMBER 2017

REGISTER NOW!

COURSE OUTLINE

Day 1
- Introduction to R, and Data Munging with Excel and R
- Analytics Visualization and Story-telling with R and friends
- Introduction to CRAN and Caret for statistical learning

Day 2
- Statistical Learning 101 (A Refresher in R)
- The Analytics Dozen in R

PRE-REQUISITES
Familiarity with a programming language such as Java, C/ C++ or Python but NOT essential, and statistics 101 at a pre-university level.

WHO SHOULD ATTEND
Software Engineers, Programmers or Data Analysts