



# Introduction to Programming

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# Day 1 Agenda: Introduction



## ■ Introduction to R Programming

- Welcome !
- Software Installation
- Introductions
- Course Overview
- Getting Started: A First R Session

# Day 1 Schedule



**DAY 1:** The first day serves to introduce the participants to: (1) the electronic classroom; (2) to R software; (3) the instructor and each other; and (4) the course content, approach, and agenda. Day 1 includes a regular 'lesson' using material in the first chapter of Matloff's *The Art of R Programming*.

## **DAY 1:      Getting Started: A First R Session**

Interactive and Batch Modes

**Example:** Running an R program in batch mode

Preview of Important Data Structures in R

Introduction to Functions

**Example:** Counting odd numbers in a vector of integers

**Extended Example:** Instead of Regression Analysis, let's look at a number of functions and what they show us about R.