

Part I

Fundamentals

This part includes four chapters with the fundamentals of the three topics covered by the book, namely: Quality Control, R, and ISO Standards. Chapter 1 introduces the problem through an intuitive example, which is also solved using the R software. Chapter 2 comprises a description of the R ecosystem and a complete set of explanations and examples regarding the use of R. In Chapter 3, the seven basic quality tools are explored from the R and ISO perspectives. Those straightforward tools will smoothly allow the reader to get used to both Quality Control and R. Finally, the importance of standards and how they are made can be found in Chapter 4.