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Implementing Reproducible Research covers many of the elements necessary for conducting and distributing reproducible research. It explains how to accurately reproduce a scientific result.

Divided into three parts, the book discusses the tools, practices, and dissemination platforms for ensuring reproducibility in computational science. It describes:

- Computational tools, such as Sweave, knitr, VisTrails, Sumatra, CDE, and the Declaratron system
- Open source practices, good programming practices, trends in open science, and the role of cloud computing in reproducible research
- Software and methodological platforms, including open source software packages, RunMyCode platform, and open access journals

Each part presents contributions from leaders who have developed software and other products that have advanced the field. Supplementary material is available at www.ImplementingRR.org.

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