



fp

DATA SCIENCE in the **LIBRARY**

Tools and Strategies for
Supporting Data-Driven
Research and Instruction

Edited by
JOEL HERNDON

469
3,300-

16 165 83796
012504/23
1225658/4

Data Science in the Library

Tools and Strategies for Supporting Data-Driven Research and Instruction

Edited by
Joel Herndon



2023.10.17



Contents

Figures	ix
Notes on Contributors	xi
Acknowledgements	xv
Abbreviations	xvii
Introduction: The Rise of Data Science <i>Joel Herndon</i>	xix
PART 1: DATA SCIENCE AND RESEARCH LIBRARIES – PERSPECTIVES	1
1 Sustainability and Success Models for Informal Data Science Training within Libraries <i>Elizabeth Wickes</i>	3
2 The Fundación Juan March DataLab: A Data Science Unit within a Research Support Library <i>Luis Martínez-Uribe, Paz Fernández and Fernando Martínez</i>	31
PART 2: DATA SCIENCE INSTRUCTION	47
3 Toward Reproducibility: Academic Libraries and Open Science <i>Joshua Quan</i>	49
4 Start with Data Science <i>Mine Çetinkaya-Rundel</i>	67
PART 3: DATA SCIENCE SERVICES	81
5 In Support of Data-Intensive Science at the University of Washington <i>Jenny Muilenburg</i>	83
6 From a Data Archive to Data Science: Supporting Current Research <i>Tim Dennis, Zhiyuan Yao, Leigh Phan, Kristian Allen, Jamie Jamison, Doug Daniels and Ibraheem Ali</i>	99

PART 4: DESIGNING AND STAFFING DATA SCIENCE	111
7 In-House Training as the First Step to Becoming a Data Savvy Librarian <i>Jeannette Ekstrøm</i>	113
8 Designing for Data Science: Planning for Library Data Services <i>Joel Herndon</i>	131
Index	141