Contents

Acknowledgments ix

1 Data Science to Human-Centered Data Science 1

2 The Data Science Cycle 13

3 Interrogating Data Science 31

4 Techniques and Tools for Data Science Models 51

5 Human-Centered Approaches to Data Science Problems 75

6 Human-Centered Data Science Methods 93

7 Collaborations across and beyond Data Science 115

8 Storytelling with Data 129

9 The Future of Human-Centered Data Science 147

Glossary 153
References 163
Index 179