Contents

Part I  Depicting Data in Graphical Form

1  Show, Don’t Tell .................................................. 3
   Ben Willers

2  Giving Shape to Data ........................................... 23
   David Bihanic

Part II  Visually Representing and Explaining Data

3  The New Aesthetic of Data Narrative ....................... 57
   Giorgia Lupi

4  A Process Dedicated to Cognition and Memory .......... 89
   Wesley Grubbs

5  Graphics Lies, Misleading Visuals ......................... 103
   Alberto Cairo

Part III  Mapping and Visualizing Data

6  atNight: Nocturnal Landscapes and Invisible Networks 119
   Mar Santamaria-Varas and Pablo Martinez-Diez

7  Visualizing Ambiguity in an Era of Data Abundance
   and Very Large Software Systems ......................... 139
   Ali Almossawi
## Part IV Interacting with Data

8 Living Networks .............................................. 159  
Santiago Ortiz

9 Epiphanies Through Interactions with Data ................. 175  
Dino Citraro and Kim Rees

## Part V Exploring and Manipulating Data

10 Sketching with Data ........................................... 189  
Fabien Girardin

11 Information Visualizations and Interfaces in the Humanities. ...... 207  
Giorgio Uboldi and Giorgio Caviglia

## Part VI Translating and Handling Large Datasets

12 Big Data, Big Stories ........................................... 221  
Richard Vijgen

13 Dispositif Mapping ........................................... 235  
Christopher Warnow

## Part VII Experiencing Data Through Multiple Modalities

14 Sustainability: Visualized ................................... 253  
Arlene Birt

15 Encoding Memories ........................................... 283  
Sha Hwang and Rachel Binx

16 Changing Minds to Changing the World ..................... 293  
Scott Murray

## Part VIII Interviews

17 Beauty in Data ................................................. 315  
Jonathan Harris
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Tracing My Life</td>
<td>341</td>
</tr>
<tr>
<td></td>
<td>Nicholas Felton</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Multidisciplinary Design in the Age of Data</td>
<td>353</td>
</tr>
<tr>
<td></td>
<td>Stephan Thiel, Steffen Fiedler and Jonas Loh</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Designing for Small and Large Datasets</td>
<td>377</td>
</tr>
<tr>
<td></td>
<td>Jan Willem Tulp</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Process and Progress: A Practitioner’s Perspective on the How,</td>
<td>391</td>
</tr>
<tr>
<td></td>
<td>What and Why of Data Visualization</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Moritz Stefaner</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>The Art &amp; Craft of Portraying Data</td>
<td>405</td>
</tr>
<tr>
<td></td>
<td>Stefanie Posavec</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>From Experience to Understanding</td>
<td>423</td>
</tr>
<tr>
<td></td>
<td>Benjamin Wiederkehr</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Author Index</td>
<td>443</td>
</tr>
</tbody>
</table>
New Challenges for Data Design
Bihanic, D. (Ed.)
2015, XIV, 447 p. 283 illus., 248 illus. in color., Hardcover
ISBN: 978-1-4471-6595-8