KMS

Table of Contents

8 **Chapter I**
An Introduction to Critical Visualization

11 A critical framework
24 Looking at visualization beyond Western paradigms
28 Synopsis of this book
31 Distributed cognition and humanistic approaches
35 Isn't critique finished?

44 **Chapter II**
Disruptive Histories

46 Positivism and objectivity
48 A history of progress
50 Critical cartography: a 'defining moment'
52 A few examples: not a canon
52 Haptic visualization: the quipu (1200–1532)
55 'Plan and Sections of a Slave Ship' (1789)
59 Polar area diagram (1859)
62 Great Trigonometrical Survey of India (1802–1875)
64 Data visualization at the Paris Exposition, W.E.B. Du Bois, (1900)
68 Community-building with Isotype: Otto and Marie Neurath
75 Conclusion

76 Focus **Anna Ridler, *Myriad (Tulips)* 2018**

82 **Chapter III**
Making Data

91 Quantitative and qualitative data
96 The role of categorization

108 Focus **Data4Change**

116 **Chapter IV**
Data and the Self

122 Taylorism within?
130 Comic critique
135 What is normal?
139 Biometrics and risk-profiling
144 Challenging norms
147 The examined life

153 Focus **Margaret Pearce and Michael Hermann — 'They Would Not Take Me There: People, Places, and Stories from Champlain's Travels in Canada, 1603–1616'**

158 **Chapter V**
Data and the City

174 Participatory planning: HECTOR

178 Focus **Heath Bunting — Status Project**

182 **Chapter VI**
Beyond Aesthetics and Representation

184 Aesthetics and function
192 Aesthetics and perception
194 Representation as translation

216 **Chapter VII**
Beyond Critical Visualization Practice

230 **Sources**
248 **Index**