

Contents

The algorithmic society – a preface	7
The algorithmic world	13
1 Always everywhere	15
2 Understanding algorithms	25
3 People make mistakes	31
4 Algorithms make mistakes	41
What algorithms can do for us	55
5 Personalization: Suitable for everyone	59
6 Access: Open doors, blocked paths	73
7 Empowerment: The optimized self	85
8 Leeway: More time for the essential	96
9 Control: The regulated society	105
10 Distribution: Sufficiently scarce	115
11 Prevention: A certain future	124
12 Justice: Fair is not necessarily fair	138
13 Connection: Automated interaction	148
What we must do now	161
14 Algorithms concern all of us: How we conduct a societal debate .	166
15 Well meant is not well done: How we control algorithms ...	175
16 Fighting the monopolies: How we ensure algorithmic diversity	184
17 Knowledge works wonders: How we build algorithmic competency	192

Machines serving people – an outlook 203

Acknowledgments 213

Endnotes. 215

Bibliography. 227

The Authors 248