

# Contents

<b>1</b>	<b>The Pitch: What Is Storytelling with Data?</b>	<b>1</b>
1.1	The Oracle Principle	1
1.2	Data Is the New Smoke	2
1.3	Prophets and Priests: Who Predicts the Future?	3
1.4	What Makes Storytelling with Data Special?	8
	References	12
<b>2</b>	<b>Storytelling in the Digital Age</b>	<b>13</b>
2.1	From Stone Age Caves to Echo Chambers	13
2.2	Stories, Narratives and Epidemics	18
	References	25
<b>3</b>	<b>From the Question to the Data</b>	<b>27</b>
3.1	The Brand: Why Am I Relevant?	30
3.1.1	Adidas and the Quantification Bias	30
3.1.2	Volkswagen: Brand Communication with Big Data	32
3.2	The Target Group: For Whom Am I Relevant?	34
3.2.1	An Online Shop Sharpens Its Customer Profile	35
3.2.2	A Fashion Retailer Reinvents Itself	37

3.3	The Topics: What Is Attracting?	40
3.3.1	What Advertising Does the Customer Want to See?	40
3.3.2	Listening to What Moves the User	41
3.3.3	A Viral History of Artificial Intelligence	47
3.3.4	Context and Change of Meanings	56
3.3.5	Setting Tomorrow's Topics Today	59
3.4	Where Silence Is Golden: Uplift Modelling	61
3.5	Towards a Data Strategy	64
	References	66
<b>4</b>	<b>From Data to Story</b>	69
4.1	Data Journalism: With Wikileaks to the Breakthrough	69
4.2	Visualization: Basics, Tools and Best Practice	75
4.3	Finding the Hero in the Data	86
4.4	Saving Lives with Data: From Cholera to Corona	92
4.5	Data Storytelling Is Teamwork	98
	References	102
<b>5</b>	<b>Fair Play: What Counts in Data Stories</b>	105
5.1	False Certainties and Deliberate Manipulation	106
5.2	Machine Bias	118
5.3	Ethical Issues of the Data Oracle	122
5.3.1	The Protection of Privacy	124
5.3.2	Algorithmic Accountability	127
5.3.3	Voluntary Commitments	128
5.3.4	Data Literacy	131
5.4	Less Is More: An Opportunity for Storytelling	133
	References	136