

Contents

Voice Assistants in Private Homes. Introduction to the Volume
Stephan Habscheid, Dagmar Hoffmann, Tim Hector, and David Waldecker9

I Voice Assistants in Private Homes.
Conceptual Considerations

The DataEconomy@Home
The Private Sphere, Privacy, and the Embedding of Artificial Intelligence Systems
into Everyday Life as an Expansion of Economic Data Grabbing
Carsten Ochs 33

Voice Assistants, Capitalism, and the Surveillance of Social Reproduction
Markus Kienscherf 57

Machines as Partners
Anthropomorphism and Communication Accommodation to Voice Assistants
in Disability Contexts
Caja Thimm, Phillip Engelhardt, and Julia Schmitz77

Human-Machine Interaction as a Complex Socio-Linguistic Practice
Netaya Lotze105

II Linguistic Exchange with Voice Assistants as a Practical Problem

"Oh, Now I have to Speak"

Older Adults' First Encounters with Voice-based Applications
in Smartphone Courses

Florence Oloff 147

Stylizing the Ideal User

Insights into the Experiences of Turkish-Speaking Voice Assistant Users
in Germany

Didem Leblebici 181

Linguistic Practices as a Means of Domesticating Voice-Controlled Assistance Technologies

Stephan Habscheid, Tim Hector, and Christine Hrnica 207

III Privacy and Data Protection as Practical Problems

Glitch Studies and Smart Speakers

A Spotlight on User Experiences of Unexpected Behaviors

Christoph Lutz and Gemma Newlands 243

The Role of Imagined Sociotechnical Affordances in Shaping Experiences of Privacy in Smart Speakers

Jasper Vermeulen and Anouk Mols 263

Mostly Harmless? Everyday Smart Speaker Use and Pragmatic Fatalism

David Waldecker, Alexander Martin, and Dagmar Hoffmann 291

How to Make GDPR a Threat Again

Nikolai Horn in Conversation with Dagmar Hoffmann and David Waldecker 319

IV Technical Infrastructures as a Practical Problem

Demystification of Technology

Empowering Consumers to Access and Visualize Voice Interaction Data
Dominik Pins, Fatemeh Alizadeh, Alexander Boden, Sebastian Zilles,
and Gunnar Stevens331

Innovating Alexa amid the Rise of Large Language Models

Sociotechnical Transitions in Algorithmic Development Practices
Niklas Strüver 365

List of Authors 403

