Research Methods in Human-Computer Interaction
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DESCRIPTION

Continual technological evolution has led to an explosion of new techniques in Human-Computer Interaction (HCI) research. Research Methods in Human-Computer Interaction is a thoroughly comprehensive guide to performing research and is essential reading for both quantitative and qualitative methods. Chapters cover a broad range of topics relevant to the collection and analysis of HCI data, going beyond experimental design and surveys, to cover ethnography, time diaries, physiological measurements, case studies, and other essential elements in the well-informed HCI researcher's toolkit.

“This book is a must read for anyone in the field of Human-Computer Interaction. The multi-disciplinarian approach, housed in the reality of the technological world today, makes for a practical and informative guide for user interface designers, software and hardware engineers and anyone doing user research.”

Dr. Mary Czerwinski, Research Area Manager, Microsoft Research, USA

“Research Methods in HCI is an excellent read for practitioners and students alike. It discusses all the must-know theory, provides detailed instructions on how to carry out the research, and offers great examples. I loved it!”

Professor Vanessa Evers, Professor, Human Computer Studies Lab, University of Amsterdam, the Netherlands

“The book is superb: comprehensive, clear, and engaging! This is a one-stop HCI methods reference library. If you can only buy one HCI methods book, this is the one!”

Dr. Clare-Marie Karat, IBM TJ Watson Research, USA, and recipient of the 2009 ACM SIGCHI Lifetime Service Award
“A much needed and very useful book, covering important HCI research methods overlooked in standard research methods texts.”

Professor Gilbert Cockton, School of Design, Northumbria University, United Kingdom

ABOUT THE AUTHOR

Dr. Jonathan Lazar is an Associate Professor of Computer and Information Sciences at Towson University, where he serves as head of the Computer Information Systems Program, and is the founder and director of the Universal Usability Laboratory. Dr. Lazar has authored over 70 refereed publications, on the topics of web usability, assistive technology, user error and frustration, and user-centered design methods. He has previously authored two books and edited two books. His most recent authored book is Web Usability: A User-Centered Design Approach, published by Addison-Wesley in 2006, and his most recent edited book is Universal Usability: Designing Computer Interfaces for Diverse User Populations published by John Wiley in 2007. Dr. Lazar is a founding member and currently serves as Chair of the Association for Computing Machinery (ACM) SIGCHI U.S. Public Policy Committee. He was also recently named a Distinguished Speaker of the ACM. He has served on a number of conference committees, including CHI, ASSETS, INTERACT, and HCII.

Dr. Jinjuan Heidi Feng is the author of Research Methods in Human-Computer Interaction, published by Wiley.

Dr. Harry Hochheiser is the author of Research Methods in Human-Computer Interaction, published by Wiley.

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FEATURES

Special features for this book include:
thorough coverage of both quantitative and qualitative research methods.

- examples of how each research method has been used in real, previously published research projects in HCI.

- extensive reference lists in each chapter.

- Discussion questions and design exercises in each chapter.

- Full pedagogical features including a thorough website with fact sheets on current software and hardware tools.

- Authored by key researchers and, in Dr. Lazar, an authority in HCI and Usability.

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