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Altri autori (Persone)	RitterFrank E
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	RUNNING BEHAVIORAL STUDIES WITH HUMAN PARTICIPANTS -FRONT COVER; RUNNING BEHAVIORAL STUDIES WITH HUMAN PARTICIPANTS; BRIEF CONTENTS; DETAILED CONTENTS; LIST OF FIGURES AND TABLES; PREFACE; ACKNOWLEDGMENTS; ABOUT THE AUTHORS; CHAPTER 1: INTRODUCTION; 1.1 Background; 1.2 Overview of the Research Process; 1.3 Overview of the Running Examples; 1.4 Further Readings; 1.5 Questions; Summary Questions; Thought Questions; CHAPTER 2: PREPARATION FOR RUNNING EXPERIMENTS; 2.1 Reading Literature in the Area; 2.2 Preparing the Apparatus and Materials, Design, and Procedure Through Piloting 2.2.1 Care, Control, Use, and Maintenance of Apparatus 2.2.2 The Testing Facility; 2.2.3 Choice of Dependent Measures: Performance, Time, Actions, Errors, Verbal Protocols, and Other Measures; 2.2.4 Plan Data Collection With Analysis in Mind; 2.2.5 Run Analyses With Pilot Data; 2.2.6 Write About Your Experiment Before Running; 2.3 Preparing for Recruiting; 2.3.1 Choice of a Term: Participants or Subjects; 2.3.2 Recruiting Participants; 2.3.3 Subject Pools and Class-Based Participation; 2.4 Institutional Review Board (IRB); 2.4.1 What Needs IRB Approval?; 2.4.2 Preparing an IRB Submission

2.5 Preparing to Run the Low Vision HCI Study  
2.6 Preparing to Run the HRI Study; 2.7 Conclusion; 2.8 Further Readings; 2.9 Questions; Summary Questions; Thought Questions; CHAPTER 3: POTENTIAL ETHICAL PROBLEMS; 3.1 Preamble: A Simple Study That Hurt Somebody; 3.2 The History and Role of Ethics Reviews; 3.3 Recruiting Subjects; 3.4 Coercing Subjects; 3.5 Risks, Costs, and Benefits of Participation; 3.6 Sensitive Data; 3.7 Plagiarism; 3.8 Fraud; 3.9 Conflicts of Interest; 3.10 Authorship and Data Ownership; 3.11 Interpersonal Conflicts Within a Research Team  
3.12 Potential Ethical Problems in the Low Vision HCI Study  
3.13 Potential Ethical Problems in the Multilingual Fonts Study; 3.14 Conclusion; 3.15 Further Readings; 3.16 Questions; Summary Questions; Thought Questions; CHAPTER 4: RISKS TO VALIDITY TO AVOID WHILE RUNNING AN EXPERIMENT; 4.1 Validity Defined: Internal, External, Construct, and Surface; 4.2 Risks to Internal Validity; 4.2.1 Power: How Many Participants?; 4.2.2 Experimenter Effects; 4.2.3 Participant Effects; 4.2.4 Demand Characteristics; 4.2.5 Equipment and Setup Effects; 4.2.6 Randomization and Counterbalancing  
4.2.7 Abandoning the Task  
4.3 Risks to External Validity; 4.3.1 Task Fidelity; 4.3.2 Representativeness of Your Sample; 4.4 Avoiding Risks in the Multilingual Fonts Study; 4.5 Avoiding Risks in the HRI Study; 4.6 Conclusion; 4.7 Further Readings; 4.8 Questions; Summary Questions; Thought Questions; CHAPTER 5: RUNNING A RESEARCH SESSION; 5.1 Preparing to Run a Research Session; 5.1.1 Preparing the Space for Your Study; 5.1.2 Piloting; 5.1.3 Experimenter Dress Code; 5.1.4 Preparing and Using a Script; 5.1.5 Before Subjects Arrive; 5.2 Running a Research Session; 5.2.1 Welcome  
5.2.2 Talking With Subjects

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Sommario/riassunto

This text provides a concrete roadmap for the design and implementation of experiments using human participants. It covers both conceptual and practical issues that are critical to experimental methods, and the organization of the book follows the standard process in experiment-based research.

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