Call for Book Chapters

Proposed Title of the Edited Book:

Developing Research Instruments and Integrating Digital Analytical Tools in Social Science

Description:

We invite authors, researchers, and professionals to contribute chapters to an upcoming book that focuses on creating useful tools, scales, and questionnaires for social science research. This book will bring together ideas and examples from around the world to show how new methods and technologies—like digital surveys, data analysis, AI, and participatory approaches—are being used in research. It will include real-life case studies, practical tips, and ideas for future developments. If you are working in areas like sociology, psychology, anthropology, education, commerce, political science, or management—and especially if you've created or tested tools for research—we encourage you to share your work.

This book is perfect for: PhD Scholars, Teachers and academic researchers, Data scientists and policy experts, Professionals in social enterprises and development organizations.

Your chapter can include: A new tool, scale, or questionnaire you've developed, How it was tested and used, Challenges you faced and what you learned, Ideas to improve research tools in the future.

We welcome chapters from both experienced and early-career scholars.

Tentative Sub-themes:

1. **Designing Psychometric Tools for Mental Health and Well-being**
   Development and validation of scales measuring stress, anxiety, depression, resilience, or mindfulness.
2. **Digital Survey Tools and Online Questionnaire Design**
   Integrating mobile, AI, or cloud-based tools for efficient data collection and analysis in social sciences.
3. **Scales for Assessing Social Attitudes and Behavioral Intentions**
   Tools measuring prejudice, political attitudes, gender sensitivity, environmental behavior, etc.
4. **Culturally Sensitive Instrument Development in Indigenous or Marginalized Populations**
   Developing tools rooted in local context, languages, and cultural frameworks.
5. **Tools for Educational Research: Student Motivation, Learning Styles, and Teacher Effectiveness**
   Design and psychometric validation of tools used in schools, colleges, and online learning.
6. **Measuring Consumer Behavior and Entrepreneurial Orientation in Commerce and Management**
   Instruments for studying buying behavior, branding perception, entrepreneurial mindset, etc.
7. **AI-Powered Adaptive Testing and Automated Scoring Systems**
   Use of machine learning in customizing assessments and analyzing qualitative responses.

8. **Participatory and Community-Based Tool Design**
   Involving communities in co-creating tools for development, health, gender, or livelihood research.

9. **Developing Tools for Assessing Digital Literacy and Technological Adaptation**
   Scales assessing readiness, skills, or barriers in adopting digital technologies.

10. **Mixed-Methods Scale Development and Validation Approaches**
    Combining qualitative insights and quantitative testing for tool development.

11. **Ethical Issues and Bias in Tool Design and Deployment**
    Exploring validity, fairness, and inclusivity in scale construction across diverse groups.

12. **Neuropsychological and Cognitive Assessment Tools**
    Scales and digital instruments for assessing attention, memory, perception, or decision-making.

13. **Gender-Responsive Instruments in Research and Evaluation**
    Developing tools that capture intersectionality, gender equity, and empowerment outcomes.

14. **Tools for Organizational Behavior and Workplace Dynamics**
    Measuring leadership, employee engagement, organizational culture, or job satisfaction.

15. **Innovations in Longitudinal Instrument Design and Digital Tracking**
    Tools enabling repeated measures, panel surveys, and tracking behavioral change over time.

The 15 sub-themes provided in this call (e.g., mental health tools, digital literacy instruments, organizational behavior scales, etc.) are illustrative examples designed to spark ideas.
You are encouraged and welcome to propose your own unique theme or topic for questionnaire or tool development that aligns with the book's broader goals.

We welcome both theoretical and practice-based chapters, and encourage contributions from early-career and senior researchers alike.

Send you abstract and details to: surjit.research@gmail.com

Dr. Surjit Singha, Asst. Professor, Department of Commerce (UG), Kristu Jayanti College, Autonomous

Dr. Sivarethinamohan. R, Associate Professor, Symbiosis Centre for Management Studies, Bengaluru, Symbiosis International (Deemed University)

Details: https://www.surjitsingha.com/call/routledge/2

Preference will be given if you have collaborative authors from foreign country

Structured Guidelines for Chapter Submission: Tool/Scale/Questionnaire Development

Authors are expected to present a systematic and well-documented process for the development of new research instruments. Each chapter must clearly articulate conceptual foundations, methodological decisions, and practical insights.

Your Chapter Should Include the Following Sections:

1. Title and Author Details

- Chapter Title
- Full names of all authors
- Institutional affiliation(s)
- ORCID ID (if available)
- Email and WhatsApp contact

2. Abstract (250–300 words)

- Purpose of the tool/scale
- Target population or context
- Overview of methodology (design, validation)
- Key findings or outcomes
- Practical significance or application

3. Introduction

- Background and rationale for the tool/scale development
- Research gap or problem being addressed
- Relevance to the field (discipline-specific or interdisciplinary)

4. Theoretical Framework / Conceptual Grounding

- Theories or constructs guiding the tool development
- Definition of core concepts or variables
- Review of existing tools (if any) and justification for a new one

5. Selection of Variables / Construct Dimensions

- Clearly list the domains, factors, or sub-scales included
- Source or rationale for selecting these variables (literature, experts, focus groups)
- Hypothesized relationships (if applicable)

6. Item Generation

- Process of drafting items (statements/questions)

- Item formats used (Likert scale, dichotomous, open-ended, etc.)
- Number of items per construct

7. Content Validation

- Methods used: Expert review, Content Validity Index (CVI), Aiken's V, etc.
- Number and background of experts involved
- Revisions made based on feedback

8. Pilot Testing / Pre-Testing

- Description of pilot study/sample
- Observations on item clarity, comprehension, and time taken
- Modifications based on pilot

9. Data Collection Procedure

- Description of the main study sample (demographics, sampling technique, size)
- Tools used (online surveys, printed forms, digital apps, etc.)
- Ethical considerations (consent, anonymity, etc.)

10. Psychometric Testing

a. Reliability Analysis

- Internal consistency (Cronbach's alpha, McDonald's omega)
- Test-retest reliability (if applicable)
- Split-half reliability (if applicable)

b. Validity Analysis

- Construct validity (Exploratory Factor Analysis or Confirmatory Factor Analysis)
- Convergent and Discriminant Validity
- Criterion-related validity (if correlated with other measures)

11. Final Tool/Scale Presentation

- Final list of items with response options
- Scoring procedure
- Interpretation of scores (e.g., low/moderate/high levels)

12. Applications and Implications

- Intended use of the tool (research, clinical, educational, policy)
- Relevance for specific contexts or populations
- Suggestions for use in future research or interventions

13. Challenges and Limitations

- Methodological or practical challenges encountered
- Limitations in generalizability or applicability
- Areas for improvement

14. Conclusion

- Summary of key insights
- Future directions for tool refinement or adaptation

15. References

- Follow APA (7th edition), must include DOI/URL, please check the URL if it is functional
- Include sources cited for constructs, tools, statistical methods, and validation procedures
- In-text citations and references should match
- Cite references from reliable sources such as SCOPUS/WoS database
- Avoid citing offline documents or which are not available in internet to access

Optional Inclusions:

- Appendices (if space permits): Item pool, validation matrix, scoring sheets
- Diagrams or conceptual models
- Tables/figures for factor analysis and model fit indices

Input & Output data should be available all the time, including spreadsheet data, and other data outputs