Cologne Institute for Information Systems
Reading List

How to use this document

This document provides a broad collection of literature relevant to conducting research in information systems (IS). The reading list is assembled and organized by all professors of the Cologne Institute for Information Systems (CIIS). It addresses Bsc., Msc., PhD students preparing their thesis and scholars undertaking IS research.

The collection is organized in various topic areas, which will vary in relevance for any specific research project. It is structured into four parts:

1. Introduction (helps you to gain an understanding of what constitutes research in general and IS research in particular)
2. Publishing (familiarizes you with the role, processes and challenges of scientific writing)
3. Methodology (exposes you to various modes of research inquiry common in IS research)
4. Theory (provides you with an in-depth knowledge of the primary theoretical perspectives within the IS discipline).

This collection should be considered as an entry point for identifying seminal literature for various topics and research approaches. We will update this list if necessary.

If you have any further questions or suggestions concerning this document, please contact:
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General

Introduction to Scientific Research in Information Systems and Related Fields


Research Standards

History of the Field of Information Systems


Publishing

*Scientific Writing*

- Starbuck, W.H. "Fussy Professor Starbuck's Cookbook of Handy-Dandy Prescriptions for Ambitious Academic Authors or Why I Hate Passive Verbs and Love My Word Processor,” 1999.

Reviewing

Rankings and Outlets
• Erasmus Journal List: https://www.erim.eur.nl/about-erim/erim-journals-list-ejl/
• Handelsblatt-Rankings: http://tool.handelsblatt.com/tabelle/?id=34&so=2d
• Harzing’s Publish or Perish: http://www.harzing.com/resources/publish-or-perish
• Lamp’s collection: http://lamp.infosys.deakin.edu.au/journals/?page=alljournals
• VHB Jourqual3
  o Full list: http://vhbonline.org/vhb4you/jourqual/vhb-jourqual-3/gesamtliste/
  o list for Information Systems Research: http://vhbonline.org/vhb4you/jourqual/vhb-jourqual-3/teilrating-wi/

**Critique on Rankings**


**Views of Editors**


**Methodology**

**Literature Review Methods**


Quantitative Methods

• Cook, T. D. and D. T. Campbell (1979) Quasi-Experimentation: Design and Analysis Issues, Boston, Massachusetts, Houghton Mifflin

Survey Methods


**Experiments**


**Measurement**


• INN Database of Variables and Items - [http://inn.theorizeit.org/](http://inn.theorizeit.org/)


**Statistics**


**Replication Studies**


**Data Science**


Qualitative Methods


• Sarker, Suprateek: Xiao, Xia; Beaulieu, Tanya; and Lee, Allen S. (2018) Learning from First-Generation Qualitative Approaches in the IS Discipline: An Evolutionary View and Some Implications for Authors and Evaluators (Part 1/2). Journal of the Association for Information Systems, 19(8), 752-774.

• Sarker, Suprateek: Xiao, Xia; Beaulieu, Tanya; and Lee, Allen S. (2018) Learning from First-Generation Qualitative Approaches in the IS Discipline: An Evolutionary View and Some Implications for Authors and Evaluators (Part 2/2). Journal of the Association for Information Systems, 19(9), 909-923.


Case Study Research


**Grounded Theory**

**Interviewing**

**Mixed Methods**


**Action Research**


**Design Research**


**Action Design Research**


**Theory**

**What is Theory in Information Systems?**


**Evaluating Theoretical Contributions**


**Rigor vs. Relevance**