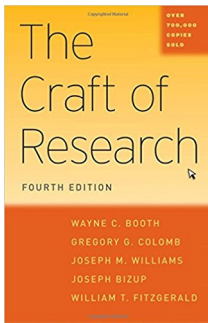


The Craft of Research

Bilgin AKSOY

Informatics Institute

January 8, 2018



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Information

- This is the fourth edition(1995, 2003, 2008, 2016).
- The publisher is The University of Chicago.
- Subjects: Research–Methodology — Technical Writing
- 316 pages
- It is available in METU Book-store.

Who should read this book? And What to Read?

- All researchers: not only the students but also those in business and government who do and report research on any topic. The book covers :
 - Topic-Questions-Problem-Sources
 - Argument-Claim-Reasons-Evidence-Acknowledgements-Responses-Warrants
 - Writing (Planning-Organizing-Styling)

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Topic

- Start listing your interests.
- Select one or two of them.
- Search in a library, and online databases (CQ Researcher, Academic Search Premier, Google Scholar or domain specific databases like IEEE etc.) Don't use Wikipedia.
- After selecting one broad topic, try to narrow it.

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Questions

- Once selecting the topic, ask questions to engage your best critical thinking. (Who, What, When, Where, **How, and Why**)
- Ask yourself So What? (Is there any cost/loss if you don't answer the question?)

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- And find a good research problem. (Set realistic goals.)

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Tip (Source)

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Argument

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Table 1 : The Time-Consuming Of Serial And Parallel Bilinear Spatial Interpolation Of Different Grid Size

Grid Size	CPU (sec)	GPU (sec)
40x40	1.70	0.11
100x100	10.34	0.37
200x200	41.43	1.21
300x300	93.13	2.36
500x500	240.02	5.70
800x800	630.92	14.40
1200x1200	1432.33	32.41

References