



Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press)

By Beth Crandall, Gary Klein, Robert R. Hoffman

Download now

Read Online ➔

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman

Cognitive Task Analysis (CTA) helps researchers understand how cognitive skills and strategies make it possible for people to act effectively and get things done. CTA can yield information people need -- employers faced with personnel issues, market researchers who want to understand the thought processes of consumers, trainers and others who design instructional systems, health care professionals who want to apply lessons learned from errors and accidents, systems analysts developing user specifications, and many other professionals. CTA can show what makes the workplace work -- and what keeps it from working as well as it might.

Working Minds is a true handbook, offering a set of tools for doing CTA: methods for collecting data about cognitive processes and events, analyzing them, and communicating them effectively. It covers both the "why" and the "how" of CTA methods, providing examples, guidance, and stories from the authors' own experiences as CTA practitioners. Because effective use of CTA depends on some conceptual grounding in cognitive theory and research -- on knowing what a cognitive perspective can offer -- the book also offers an overview of current research on cognition.

The book provides detailed guidance for planning and carrying out CTA, with chapters on capturing knowledge and capturing the way people reason. It discusses studying cognition in real-world settings and the challenges of rapidly changing technology. And it describes key issues in applying CTA findings in a variety of fields. *Working Minds* makes the methodology of CTA accessible and the skills involved attainable.

↓ [Download Working Minds: A Practitioner's Guide to Cogn ...pdf](#)

📖 [Read Online Working Minds: A Practitioner's Guide to Co ...pdf](#)

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press)

By Beth Crandall, Gary Klein, Robert R. Hoffman

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman

Cognitive Task Analysis (CTA) helps researchers understand how cognitive skills and strategies make it possible for people to act effectively and get things done. CTA can yield information people need -- employers faced with personnel issues, market researchers who want to understand the thought processes of consumers, trainers and others who design instructional systems, health care professionals who want to apply lessons learned from errors and accidents, systems analysts developing user specifications, and many other professionals. CTA can show what makes the workplace work -- and what keeps it from working as well as it might.

Working Minds is a true handbook, offering a set of tools for doing CTA: methods for collecting data about cognitive processes and events, analyzing them, and communicating them effectively. It covers both the "why" and the "how" of CTA methods, providing examples, guidance, and stories from the authors' own experiences as CTA practitioners. Because effective use of CTA depends on some conceptual grounding in cognitive theory and research -- on knowing what a cognitive perspective can offer -- the book also offers an overview of current research on cognition.

The book provides detailed guidance for planning and carrying out CTA, with chapters on capturing knowledge and capturing the way people reason. It discusses studying cognition in real-world settings and the challenges of rapidly changing technology. And it describes key issues in applying CTA findings in a variety of fields. *Working Minds* makes the methodology of CTA accessible and the skills involved attainable.

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman **Bibliography**

- Sales Rank: #169543 in Books
- Published on: 2006-07-07
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .69" w x 7.00" l, 1.25 pounds
- Binding: Paperback
- 332 pages

 [Download Working Minds: A Practitioner's Guide to Cogn ...pdf](#)

 [Read Online Working Minds: A Practitioner's Guide to Co ...pdf](#)

Download and Read Free Online Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman

Editorial Review

Review

Discovering the basis for expertise is a task fraught with difficulties, but Crandall, Klein, and Hoffman provide the practical guidance of experienced CTA practitioners. They uncover their mental models, critical cues, and strategies for organizing knowledge and adapting routines. This book collects the resources one needs to become expert at using new tools to support cognitive work.

(**David Woods**, Institute for Ergonomics, Ohio State University)

This is probably the best guide I have read to capturing the essence of tacit knowledge in decision making. An excellent synthesis of the academic and the practical, and a major contribution to the field.

(Dave Snowden, Founder, Cognitive Edge)

What a gem! Finally, those who are interested in understanding how people in organizations acquire, retain, maintain, interpret, represent, and use knowledge in their jobs have a practical set of tools to follow and apply. A refreshing, welcome, and much-needed resource book. Bravo!

(Eduardo Salas, Department of Psychology and Institute for Simulation & Training, University of Central Florida)

Cognitive task analysis (CTA) is an immensely important approach to evaluating the development, implementation, and use of complex systems. *Working Minds* is a one-of-a-kind handbook in which highly qualified authors not only provide practical guidance for conducting CTA but also address fundamental cognitive issues that support the techniques. It will prove an extremely valuable resource for practitioners, scientists, systems engineers, and students interested in cognitive systems and workplace evaluation.

(**Vimla L. Patel**, Director, Laboratory of Decision Making and Cognition, Columbia University)

About the Author

Robert R. Hoffman is Senior Research Scientist at the Florida Institute for Human and Machine Cognition.

Beth Crandall is Senior Technical Director of the Klein Associates Division, Applied Research Associates.

Users Review

From reader reviews:

Eric Graves:

Do you considered one of people who can't read pleasant if the sentence chained from the straightway, hold on guys that aren't like that. This Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) book is readable simply by you who hate those perfect word style. You will find the information here are arrange for enjoyable studying experience without leaving also decrease the knowledge that want to offer to you. The writer regarding Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) content conveys thinking easily to understand by many people. The printed and e-book are not different in the information but it just different such as it. So , do you still thinking Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) is not loveable to be your top listing reading book?

Ralph Smith:

The reason why? Because this Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) is an unordinary book that the inside of the e-book waiting for you to snap that but latter it will distress you with the secret that inside. Reading this book next to it was fantastic author who also write the book in such incredible way makes the content inside easier to understand, entertaining method but still convey the meaning completely. So , it is good for you for not hesitating having this ever again or you going to regret it. This amazing book will give you a lot of rewards than the other book get such as help improving your skill and your critical thinking way. So , still want to hesitate having that book? If I were being you I will go to the e-book store hurriedly.

Marylou Beauregard:

As we know that book is important thing to add our know-how for everything. By a e-book we can know everything we really wish for. A book is a group of written, printed, illustrated or blank sheet. Every year was exactly added. This publication Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) was filled in relation to science. Spend your extra time to add your knowledge about your research competence. Some people has several feel when they reading some sort of book. If you know how big benefit of a book, you can truly feel enjoy to read a e-book. In the modern era like right now, many ways to get book that you just wanted.

Donald Shelton:

Reading a e-book make you to get more knowledge from this. You can take knowledge and information originating from a book. Book is written or printed or illustrated from each source in which filled update of news. Within this modern era like right now, many ways to get information are available for you actually. From media social just like newspaper, magazines, science publication, encyclopedia, reference book, story and comic. You can add your knowledge by that book. Are you hip to spend your spare time to open your book? Or just looking for the Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) when you essential it?

Download and Read Online Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman #ITDG1OXAQCV

Read Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman for online ebook

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman books to read online.

Online Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman ebook PDF download

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman Doc

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman Mobipocket

Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman EPub

ITDG10XAQCV: Working Minds: A Practitioner's Guide to Cognitive Task Analysis (MIT Press) By Beth Crandall, Gary Klein, Robert R. Hoffman