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Phillip L. Ackerman (Chapter 8) is Professor of Psychology at the Georgia Institute of Technology. He received his Ph.D. from the University of Illinois, Urbana-Champaign. He has conducted basic and applied research in cognitive psychology, individual differences, psychological testing, and human abilities. He has written extensively on the nature of adolescent and adult learning, skill acquisition, selection, training, abilities, personality, and motivation. He has co-edited three books on individual differences and is the editor of a book on cognitive fatigue. Dr. Ackerman's main contributions involve integration across multiple fields of psychological inquiry, specifically related to individual differences. Noteworthy contributions include integration of information processing and ability approaches to individual differences in skill learning; of ability and motivational determinants of learning and performance; of ability, personality, and interest traits; and explication of an integrated approach to adolescent and adult intellectual development. He is a Fellow of the American Psychological Association; Human Factors & Ergonomics Society, American Educational Research Association, Psychonomic Society, and he is a Charter Fellow of the Association for Psychological Science.

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Ernest Davis (Chapter 12) is Professor of Computer Science at New York University. He received his B.Sc. in mathematics from MIT and his Ph.D. in computer science from Yale. Davis' research area is the representation of commonsense knowledge in artificial intelligence systems, particularly for spatial and physical reasoning. He is the author of more than ninety scientific papers and four books: "Representing and Acquiring Geographic Knowledge" (1986); "Representations of Commonsense Knowledge" (1990); "Linear Algebra and Probability for Computer Science Applications" (2012); and, with Gary Marcus, "Rebooting AI: Building Artificial Intelligence We Can Trust" (2019). He also has published numerous book reviews and articles for a general readership in The New York Times, the New Yorker, the Times Literary Supplement, WIRED, and elsewhere.

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Jan Dörendahl (Chapter 7) is a Psychologist and Data Scientist. From 2016 to 2021 he was part of the research group Computer-Based Assessment at the University of Luxembourg. During that time, he investigated the assessment of fundamental motives and goals and obtained his PhD in psychology in 2019. Further, he lectured multivariate statistics and was among the lead item developers for the assessment of adaptive problem solving in the PIAAC 2021 cycle. Since 2021, Dr. Dörendahl is working as a Data Scientist combining machine learning algorithms and internet-of-things technologies into innovative solutions.

David Dorsey

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Yvette Graham

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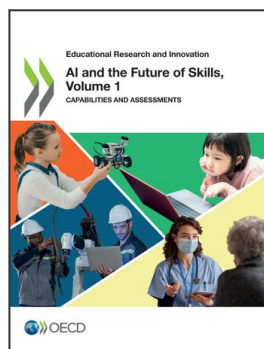
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