

Beyond Dichotomies

Competence Viewed as a Continuum

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Abstract. In this paper, the state of research on the assessment of competencies in higher education is reviewed. Fundamental conceptual and methodological issues are clarified by showing that current controversies are built on underlying dichotomies. By systematically discussing conceptual distinctions, competing competence definitions are unpacked (analytic/trait vs. holistic/task-world performance) and common places are identified. Disagreements are also highlighted. Similarly, competing statistical approaches to assessing competencies, namely item-response theory (latent trait) versus generalizability theory (sampling error variance), are unpacked. The resulting framework moves beyond dichotomies and shows how the different approaches complement each other. Competence is viewed along a continuum from traits that underlie perception, interpretation, and decision-making skills, which in turn give rise to observed behavior in real-world situations. Statistical approaches are also viewed along a continuum from linear to nonlinear models that serve different purposes. Item response theory (IRT) models may be used for scaling item responses and modeling structural relations, and generalizability theory (GT) models pinpoint sources of measurement error variance, thereby enabling the design of reliable measurements. The proposed framework suggests multiple new research studies and may serve as a “grand” structural model.

Keywords: competencies, ability, competence assessment, cognition, modeling

In our Call for Papers for this topical issue of the *Zeitschrift für Psychologie (ZfP)* we blithely said that the “assessment of competence development during the course of higher education presents a substantive and methodological challenge. The challenge is to define, and model competence – as the latent cognitive and affective-motivational underpinning of domain-specific performance in varying situations – in a reliable and valid way” (Blömeke, Gustafsson, & Shavelson, 2013). We now say “blithely” because at the time we thought that defining “what was meant by the term ‘competencies’ seemed ... to be an easier task [than measuring competencies].” We should have known better. For it is well known that definitions are important and contested. Moreover, once defined, constraints are placed on the measurement of competence – what constitutes a task eliciting competence and what doesn’t, what is an allowable measurement procedure and what isn’t, what is a reasonable approach to scaling and what isn’t, etc.? This reality has been brought home not only in the diversity of definitions and measurement approaches represented in this topical issue of *ZfP* but also in the debates and deliberations in the literature – and among the editors!

The call actually set us up for controversy with a phrase so commonly seen in the measurement literature – “Competencies are conceptualized as complex ability constructs that are context-specific, ... and closely related to

real life” (Koeppen, Hartig, Klieme, & Leutner, 2008, p. 64) – that we editors left it unchallenged until we tried to unpack it and rephrased it as “the latent cognitive and affective-motivational underpinning of domain-specific performance in varying situations.” To be sure, cognition and affect-motivation are latent traits (i.e., human constructions of unobserved processes); they cannot be directly observed but have to be inferred from observable behavior. However, this definition only provides a starting point to address the conceptual and methodological challenges involved in assessing competencies acquired in higher education.

Conceptually, in a first interpretation, the “complex ability” part of the definition is stressed and competence is analytically divided into several cognitive and affective-motivational traits (or resources; Schoenfeld, 2010), each to be measured reliably and validly. The validity of an interpretation that such a measurement taps competence could then be established by, for example, testing whether the trait structure was as hypothesized, or whether the measurement predicted performance in a “criterion situation.” The correlation between competence and performance might vary across different situations but we would expect it to be positive and of substantial magnitude. Many of the papers included in this topical issue fit well within this analytic tradition. Zlatkin-Troitschanski et al. (2015), for example, examine the content knowledge in micro- and macroeconomics acquired

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Beyond Dichotomies Elisabeth Mudimbe-Boyi, 2012-02-01 *Beyond Dichotomies* examines literary texts cultural production and concrete local practices within the context of modernity and globalization by focusing on the ways in which some societies confront the complexity of cultures reflected in new forms of knowledge narratives and subjectivities The contributors explore how particular societies negotiate the relations between the global and the local and use a geographical comparative perspective combined with an interdisciplinary approach to offer a diversity of views and illuminate the cultural impact of globalization on different societies around the world Africa Asia Europe and the Americas These societies face complex questions regarding people s histories identities and cultures that embody the ambivalence contradictions and anxieties generated by the process of globalization The contributors provide a compelling conclusion for a rethinking and reconfiguration of cultures and intercultural relations in today s global world in which dichotomized representations coexist with a discourse of globalization

Twisting Identity and Belonging Beyond Dichotomies Noor Mahmoud, 2013 This book brings together personal stories and theoretical concepts in the exploration of how second generation female migrants SGFMs in Norway negotiate their identities and give new form and content to their own notions of peace and belonging beyond a double life By applying postmodern and feminist scholarship the book challenges static ideas of cultural identity in discourses about the national and the family contexts It takes the reader on a journey through the transformations of conflicts on sexuality identity and belonging by the SGFMs themselves This will be an important book for feminist and migration researchers as well as for those concerned with minority issues Series Masters of Peace Vol 8

Beyond dichotomies, 2004 Hendershot g A Reflexive Engagement of Critical Reflexivity 4 i self consciousness about underlying premises ii the recognition of the inherently politico normative dimension of paradigms and the normal science tradition they sustain and iii the affirmation that reasoned judgements about the merits of contending paradigm are possible in the absence of a neutral observation language 21 Ac Although the audibility of engagements with the power of gender is somewhat recent to International Relations scholarship challenges to the orthodox study of security strategy and war can be traced to time when behaviouralism dominated International Relations Every conclusion is entailed with the theory s premises although a finely wrought filigree may be spun between one and the other 41 As such practitioners of positivistic security studies are able to explain away the end of the Cold War or their inability to predict the end of the Cold War without having to critically reflect upon their meta theoretical commitments Likewise Peterson and Runyun Green and Gusterson if not explicitly implicitly re affirm the necessity of the post positivist pronouncement to provide new intelligibilities and alternative possibilities for the field 43 Having said this it is now important to problematize the potential to which Neufeld and by implication post positivist exercises work to create a wider thinking space for For example Neufeld notes that the second and

third tenets of theoretical reflexivity makes reflexivity a virtual antonym of positivism 45 Similarly according to Neufeld a theoretically reflexive orientation is one whose starting point stands in radical opposition to that of positivism in that it rejects the notion of objective standards existing independently of human thought and practice Beyond Dichotomies Katharina Ziegler,2024 **Beyond Dichotomies and Identity** Emily Ann Deckman,2000 **Geological Magazine** Henry Woodward,1905 CIES 2005 Comparative and International Education Society. Conference,2005 *Mendelism and the Problem of Mental Defect* ,1914 *Class Acts* Rachel Ellen Sherman,2003 **Bilingual journal of the École française d'Extrême-Orient** ,1991 **Atlantis** ,2004 Encyclopedia of Social and Cultural Anthropology Alan J. Barnard,Jonathan Spencer,1996 This volume provides a unique guide to the ideas and history the ideas and history of the discipline which discusses human social and cultural life in all its diversity Theory ethnography and history are combined in over 200 substantial entries on topics as wide ranging as race postmodernism witchcraft essentialism magic and methodology Authoritative entries have been commissioned from among the world s leading specialists Alphabetically organized the main entries contain clear concise and provocative explanations of key anthropological themes and ideas as well as surveys of the most important regional traditions of ethnographic research Each entry contains cross references and a bibliographic guide to further reading The Encyclopedia also contains a biographic appendix with details of the lives and works of over 200 important figures in the history of anthropology and a glossary with short explanations of over 500 terms and concepts Areas covered include History of anthropological research colonialism orientalism and occidentalism theories of culture and society Kinship gender and family marriage the body Ritual and religion language and linguistics poetics literacy aesthetics film museums Relations with other disciplines e g archaeology and sociology *Beyond the Fantastic* Gerardo Mosquera,1996 Copublished with the Institute of International Visual Arts London This anthology edited by Cuban art historian and critic Gerardo Mosquera offers a wide selection of writings by some of the most important cultural theoreticians of contemporary Latin America Together they comprise a distinctive corpus of new theoretical discourses critical of modernity and solidly and pragmatically anti utopian The collection balances traditional and popular aesthetic symbolic production as well as Afro and Indo American presences in the visual arts and covers the whole of the Americans including the Caribbean and the United States Contributors M R c a Amor Pierre E Bocquet Gustavo Buntinx Luis Camnitzer N 3 or Garc Canclini Ticio Escobar Andrea Giunta Guillermo G Pe R Paulo Herkenhoff Mirko Lauer Celeste Olalquiaga Gabriel Peluffo Linari Carolina Ponce de Le R R Mari Carmen Ram 2 z Nelly Richard Tom 3 Ybarra Frausto George Y **Constructive Play** George E. Forman,Fleet Hill,1984 Beyond Dichotomies Yeonju Jung,2024 **The New Republic** Herbert David Croly,1928 *Minor Transnationalism* Françoise Lionnet,Shu-mei Shih,2005-03-09 This collection of essays investigates the importance of minor discourses and minority cultures across national boundaries 2005,□□□□ □□□□□ □□□□ □□□□□ Constructing Identities as "working Mothers" Anita Ilta Garey,1993

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Table of Contents Beyond Dichotomies

1. Understanding the eBook Beyond Dichotomies
 - The Rise of Digital Reading Beyond Dichotomies
 - Advantages of eBooks Over Traditional Books
2. Identifying Beyond Dichotomies
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an eBook Platform
 - User-Friendly Interface
4. Exploring eBook Recommendations from Beyond Dichotomies
 - Personalized Recommendations
 - Beyond Dichotomies User Reviews and Ratings
 - Beyond Dichotomies and Bestseller Lists
5. Accessing Beyond Dichotomies Free and Paid eBooks
 - Beyond Dichotomies Public Domain eBooks
 - Beyond Dichotomies eBook Subscription Services
 - Beyond Dichotomies Budget-Friendly Options

6. Navigating Beyond Dichotomies eBook Formats
 - ePub, PDF, MOBI, and More
 - Beyond Dichotomies Compatibility with Devices
 - Beyond Dichotomies Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Beyond Dichotomies
 - Highlighting and Note-Taking Beyond Dichotomies
 - Interactive Elements Beyond Dichotomies
8. Staying Engaged with Beyond Dichotomies
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Beyond Dichotomies
9. Balancing eBooks and Physical Books Beyond Dichotomies
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Beyond Dichotomies
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Beyond Dichotomies
 - Setting Reading Goals Beyond Dichotomies
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Beyond Dichotomies
 - Fact-Checking eBook Content of Beyond Dichotomies
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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