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Hasan Deniz, Lisa A. Borgerding



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Biological Invasions in South Africa Brian W. van Wilgen, John Measey, David M. Richardson, John R. Wilson, Tsungai A. Zengeya, 2020-03-10 This open access volume presents a comprehensive account of all aspects of biological invasions in South Africa where research has been conducted over more than three decades and where bold initiatives have been implemented in attempts to control invasions and to reduce their ecological economic and social effects It covers a broad range of themes including history policy development and implementation the status of invasions of animals and plants in terrestrial marine and freshwater environments the development of a robust ecological theory around biological invasions the effectiveness of management interventions and scenarios for the future The South African situation stands out because of the remarkable diversity of the country and the wide range of problems encountered in its varied ecosystems which has resulted in a disproportionate investment into both research and management The South African experience holds many lessons for other parts of the world and this book should be of immense value to researchers students managers and policy makers who deal with biological invasions and ecosystem management and conservation in most other regions Active Learning, 2022-12-14 This book provides theoretical answers applied methodological models and didactic experiences that seek to reflect and analyze the potentialities and challenges of the active learning concept in STEAM disciplines and social sciences education It also contributes to the understanding intervention and resolution of contemporary social problems and to the United Nations Sustainable Development Goals through the design implementation and evaluation of educational programs that incorporate integrated active learning as one of its explanatory axes **The Annual Condition of Education Report**, 2015 Proceedings of the International Conference on Education Research Reza Hosseini, Education for All 2000-2015: Achievements and challenges UNESCO, 2015-04-08 Literaturverz S 414 459 *Super Courses* Ken Bain, 2021-03-09 An exploration of some of the most intriguing college teachers pedagogy challenging traditional learning environments Evolution Education Around the Globe Hasan Deniz, Lisa A. Borgerding, 2018-06-21 This edited book provides a global view on evolution education It describes the state of evolution education in different countries that are representative of geographical regions around the globe such as Eastern Europe Western Europe North Africa South Africa North America South America Middle East Far East South East Asia Australia and New Zealand Studies in evolution education literature can be divided into three main categories a understanding the interrelationships among cognitive affective epistemological and religious factors that are related to peoples views about evolution b designing implementing evaluating evolution education curriculum that reflects contemporary evolution understanding and c reducing antievolutionary attitudes This volume systematically summarizes the evolution education literature across these three categories for each country or geographical region The individual chapters thus include common elements that facilitate a cross cultural meta analysis Written for a primarily academic audience this book provides a much needed common

background for future evolution education research across the globe **Becoming a teacher** Josef de Beer, 2020-12-31 This book disseminates original research on learning in and from practice in pre service teacher education Authors such as Lederman and Lederman describe the student teaching practicum or work integrated learning WIL which is an essential component of pre service teacher education as the elephant in the room These authors note that the capstone experience in any teacher education programme is the student teaching practicum after all this is where the rubber hits the road However many teacher educators will agree that this WIL component is sometimes very insufficient in assisting the student teacher to develop their own footing and voice as a teacher This is the gap that this research book addresses Most of the chapters in the book report empirical data with the exception of two chapters that can be categorized as systematic reviews WIL is addressed from various angles in the chapters Chapter 6 focuses on research related to what makes Finnish teacher education so effective and in Chapter 4 researchers of the University of Johannesburg disseminate their findings on establishing a teaching school based on Finnish insights in Johannesburg Chapter 3 highlights the challenges faced in open and distance learning teacher education contexts Several of the chapters disseminate research findings on alternative interventions to classic WIL namely where safe spaces or laboratories are created for student teachers to learn and grow professionally These could either be simulations such as software programmes and avatars in the intervention described in Chapter 2 student excursions as the findings in chapters 5 7 and 10 portray or alternative approaches to WIL e g Chapters 11 and 12 The book is devoted to scholarship in the field of pre service teacher education The target audience is scholars working in the fields of pre service teacher education work integrated learning and self directed learning The book makes a unique contribution in terms of firstly its extensive use of Cultural Historical Activity Theory as a research lens and secondly in drawing on various theoretical frameworks Both quantitative and qualitative research informed the findings of the book

Innovative Research in Life Sciences E. Andrew Balas, 2018-12-06 I thoroughly enjoyed reading this book as it has taken me on a journey through time across the globe and through multiple disciplines Indeed we need to be thinking about these concepts and applying them every day to do our jobs better Farah Magrabi Macquarie University Australia The reader will find intriguing not only the title but also the content of the book I am also pleased that public health and even more specifically epidemiology has an important place in this ambitious discussion Elena Andresen Oregon Health Science University USA This book is very well written and addresses an important topic It presents many reasons why basic scientists researchers should establish collaborations and access information outside traditional means and not limit thinking but rather expand such and perhaps develop more innovative and translational research ventures that will advance science and not move it laterally Gerald Pepe Eastern Virginia Medical School USA This book gathers logically and presents interestingly with many examples the qualities and attitudes a researcher must possess in order to become successful On the long run the deep and carefully reexamined research will be the one that lasts Zoltan N da Babe Bolyai University Romania I really liked

the five pillars delineating the components of humanism in research This book has made a major contribution to the research ethics literature David Fleming University of Missouri USA A comprehensive review of the research phase of life sciences from design to discovery with suggestions to improve innovation This vital resource explores the creative processes leading to biomedical innovation identifies the obstacles and best practices of innovative laboratories and supports the production of effective science Innovative Research in Life Sciences draws on lessons from 400 award winning scientists and research from leading universities The book explores the innovative process in life sciences and puts the focus on how great ideas are born and become landmark scientific discoveries The text provides a unique resource for developing professional competencies and applied skills of life sciences researchers The book examines what happens before the scientific paper is submitted for publication or the innovation becomes legally protected This phase is the most neglected but most exciting in the process of scientific creativity and innovation The author identifies twelve competencies of innovative biomedical researchers that described and analyzed This important resource Highlights the research phase from design to discovery that precedes innovation disclosure Offers a step by step explanation of how to improve innovation Offers solutions for improving research and innovation productivity in the life sciences Contains a variety of statistical databases and a vast number of stories about individual discoveries Includes a process of published studies and national statistics of biomedical research and reviews the performance of research labs and academic institutions Written for academics and researchers in biomedicine pharmaceutical science life sciences drug discovery pharmacology Innovative Research in Life Sciences offers a guide to the creative processes leading to biomedical innovation and identifies the best practices of innovative scientists and laboratories

What Big Data Can Tell Us About the Psychology of Learning and Teaching Ronnel B. King,Jiesi Guo,Ching Sing Chai,2022-03-09

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