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Jin-Ying Zhang



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Laboratory Epistemologies A Hands On Perspective Jenny Boulboulle examines the significance of hands on experiences in contemporary life sciences laboratories Addressing the relationship between contemplation and manipulation in epistemology Boulboulle combines participant observations in molecular genetics labs and microbiological cleanrooms with a longue dur e study of the history and philosophy of science She radically rereads Descartes s key epistemological text *Meditations on First Philosophy* reframing the philosopher as a hands on knowledge maker With this reading Boulboulle subverts the pervasive modern conception of the disembodied knower and puts the hands on experimenter at the heart of life sciences research In so doing she contributes a theoretical model for understanding how life processes on cellular and molecular levels are manually produced in today s techno scientific spaces By reassessing the Cartesian legacy and arguing that epistemology should be grounded in the standpoint of a hands on practitioner Boulboulle offers the philosophical and historical foundation to understand and study contemporary life sciences research as multisensory embodied practices

Resources in Education ,1998 Effective Grading Barbara E. Walvoord,Virginia Johnson Anderson,2011-01-13 The second edition of *Effective Grading* the book that has become a classic in the field provides a proven hands on guide for evaluating student work and offers an in depth examination of the link between teaching and grading Authors Barbara E Walvoord and Virginia Johnson Anderson explain that grades are not isolated artifacts but part of a process that when integrated with course objectives provides rich information about student learning as well as being a tool for learning itself The authors show how the grading process can be used for broader assessment objectives such as curriculum and institutional assessment This thoroughly revised and updated edition includes a wealth of new material including Expanded integration of the use of technology and online teaching A sample syllabus with goals outcomes and criteria for student work New developments in assessment for grant funded projects Additional information on grading group work portfolios and service learning experiences New strategies for aligning tests and assignments with learning goals Current thought on assessment in departments and general education using classroom work for program assessments and using assessment data systematically to close the loop Material on using the best of classroom assessment to foster institutional assessment New case examples from colleges and universities including community colleges When the first edition of *Effective Grading* came out it quickly became the go to book on evaluating student learning This second edition especially with its extension into evaluating the learning goals of departments and general education programs will make it even more valuable for everyone working to improve teaching and learning in higher education L Dee Fink author *Creating Significant Learning Experiences*

Informed by encounters with hundreds of faculty in their workshops these two accomplished teachers assessors and faculty developers have created another essential text Current faculty as well as graduate students who aspire to teach in college will carry this edition in a briefcase for quick reference to scores of examples of classroom teaching and assessment techniques and ways to use students classroom work in demonstrating departmental and institutional effectiveness Trudy W Banta author **Designing Effective Assessment** **Scientific Integrity** Francis L. Macrina, 2014-07-22 This widely adopted textbook provides the essential content and skill building tools for teaching the responsible conduct of scientific research Scientific Integrity covers the breadth of concerns faced by scientists protection of animal and human experimental subjects scientific publication intellectual property conflict of interest collaboration record keeping mentoring and the social and ethical responsibilities of scientists Learning activities and resources designed to elucidate the principles of Scientific Integrity include Dozens of highly relevant interactive case studies for discussion in class or online Numerous print and online resources covering the newest research guidelines regulations mandates and policies Discussion questions role playing exercises and survey tools to promote critical thought Documents including published rules of conduct sample experimentation protocols and patent applications The new edition of Scientific Integrity responds to significant recent changes new mandates policies laws and other developments in the field of responsible conduct of research Dr Macrina plants the seeds of awareness of existing changing and emerging standards in scientific conduct and provides the tools to promote critical thinking in the use of that information Scientific Integrity is the original turnkey text to guide the next generations of scientists as well as practicing researchers in the essential skills and approaches for the responsible conduct of science **Our Social World** Jeanne H. Ballantine, Keith A. Roberts, 2008-11-17 The most innovative introduction to Sociology in a generation presents a coherent essay that inspires students to develop their sociological imaginations to see the world and personal events from a new perspective and to confront sociological issues on a day to day basis This engaging text introduces the discipline of sociology to the contemporary student and provides an integrated comprehensible framework from which to view the world In each chapter authors Jeanne H Ballantine and Keith A Roberts provide an organizing theme that is not exclusively tied to one theoretical paradigm to help students see relationships between topics Our Social World presents the perspective of students living in the larger global world **ENC Focus** ,2003 *Data Management in Large-Scale Education Research* Crystal Lewis, 2024-07-09 Research data management is becoming more complicated Researchers are collecting more data using more complex technologies all the while increasing the visibility of our work with the push for data sharing and open science practices Ad hoc data management practices may have worked for us in the past but now others need to understand our processes as well requiring researchers to be more thoughtful in planning their data management routines This book is for anyone involved in a research study involving original data collection While the book focuses on quantitative data typically collected from human participants many of the practices

covered can apply to other types of data as well The book contains foundational context instructions and practical examples to help researchers in the field of education begin to understand how to create data management workflows for large scale typically federally funded research studies The book starts by describing the research life cycle and how data management fits within this larger picture The remaining chapters are then organized by each phase of the life cycle with examples of best practices provided for each phase Finally considerations on whether the reader should implement and how to integrate those practices into a workflow are discussed Key Features Provides a holistic approach to the research life cycle showing how project management and data management processes work in parallel and collaboratively Can be read in its entirety or referenced as needed throughout the life cycle Includes relatable examples specific to education research Includes a discussion on how to organize and document data in preparation for data sharing requirements Contains links to example documents as well as templates to help readers implement practices

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