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Book information

Authors: Donald Maxwell Brunette

Title: Critical Thinking

Subtitle: Understanding and Evaluating Dental Research

Short text:

The Internet has given us access to an unprecedented amount of information, but this development also facilitates the spread of misinformation if we do not think critically and evaluate what we read. The third edition of this classic textbook has been revised based on developments in biomedical research practices over the past decade to provide readers with the most up-to-date resource for navigating the ever-expanding world of dental literature. The book covers rhetoric and logic, the scientific method, components of scientific papers, research strategies, probability and statistics, diagnostic tools and testing, and experiment design. The chapter about searching the dental literature has been updated with the most current resources and search techniques available. A new chapter about clinical decision making uses a decision tree analysis with worked-out calculations to show how critical thinking skills can be used to select the most appropriate treatment decision in a clinical scenario; this is followed by a whole chapter of exercises in critical thinking. This book emphasizes how readers can practically apply critical thinking skills to evaluate scientific literature and thereby make the most informed decisions for their patients and themselves.

Contents

Chapter 01. Reasons for Studying Critical Thinking

Chapter 02. Scientific Method and the Behavior of Scientists

Chapter 03. The Components of a Scientific Paper

Chapter 04. Rhetoric

Chapter 05. Searching the Dental Literature

Chapter 06. Logic: The Basics

Chapter 07. Introduction to Abductive and Inductive Logic: Analogy, Models, and

Authority

Chapter 08. Causation

Chapter 09. Quacks, Cranks, and Abuses of Logic

Chapter 10. Elements of Probability and Statistics, Part 1: Discrete Variables Chapter 11. Elements of Probability and Statistics, Part 2: Continuous Variables

Chapter 12. The Importance of Measurement in Dentistry

Chapter 13. Errors of Measurement

Chapter 14. Presentation of Results

Chapter 15. Diagnostic Tools and Testing

Chapter 16. Research Strategies and Threats to Validity

Chapter 17. Observation

Chapter 18. Correlation and Association

Chapter 19. Experimentation

Chapter 20. Experiment Design

Chapter 21. Statistics As an Inductive Argument and Other Statistical Concepts

Chapter 22. Judgment

Chapter 23. Introduction to Clinical Decision Making

Chapter 24. Exercises in Critical Thinking

Categories: Interdisciplinary, Science and Research, Student literature