Pect Module 1 Practice

A concise and self-contained introduction to causal inference, increasingly important in data science and machine learning. The mathematization of causality is a relatively recent development, and has become increasingly important in data science and machine learning. This book offers a self-contained and concise introduction to causal models and how to learn them from data. After explaining the need for causal models and discussing some of the principles underlying causal inference, the book teaches readers how to use causal models: how to compute intervention distributions, how to infer causal models from observational and interventional data, and how causal ideas could be exploited for classical machine learning problems. All of these topics are discussed first in terms of two variables and then in the more general multivariate case. The bivariate case turns out to be a particularly hard problem for causal learning because there are no conditional independences as used by classical methods for solving multivariate cases. The authors consider analyzing statistical asymmetries between cause and effect to be highly instructive, and they report on their decade of intensive research into this problem. The book is accessible to readers with a background in machine learning or statistics, and can be used in graduate courses or as a reference for researchers. The text includes code snippets that can be copied and pasted, exercises, and an appendix with a summary of the most important technical concepts.

This edited book focuses on current practices, challenges and innovations in the emerging field of English for Specific Purposes (ESP). By combining diverse, empirically-proven and innovative ESP practices from all over the world with inspiring theoretical input and reflections from experienced practitioners, the authors in this volume examine both best-practice examples and ESP programmes which by various metrics are deemed to have failed. This book will be of interest to practitioners, teacher educators and researchers working in the field of ESP, as well as readers interested in language education and curriculum development more broadly.

Designing Clinical Research sets the standard for providing a practical guide to planning, tabulating, formulating, and implementing clinical research, with an easy-to-read, uncomplicated presentation. This edition incorporates current research methodology—including molecular and genetic clinical research—and offers an updated syllabus for conducting a clinical research workshop. Emphasis is on common sense as the main ingredient of good science. The book explains how to choose well-focused research questions and details the steps through all the elements of study design, data collection, quality assurance, and basic grant-writing. All chapters have been thoroughly revised, updated, and made more user-friendly.

How to rewire your brain to improve virtually every aspect of your life-based on the latest research in neuroscience and psychology on neuroplasticity and evidence-based practices Not long ago, it was thought that the brain you were born with was the brain you would die with, and that the brain cells you had at birth were the most you would ever possess. Your brain was thought to be "hardwired" to function in predetermined ways. It turns out that's not true. Your brain is not hardwired, it's "softwired" by experience. This book shows you how you can rewire parts of the brain to feel more positive about your life, remain calm during stressful times, and improve your social relationships. Written by a leader in the field of Brain-Based Therapy, it teaches you how to activate the parts of your brain that have been underactivated and calm down those areas that have been hyperactivated so that you feel positive about your life and remain calm during stressful times. You will also learn to improve your memory, boost your mood, have better relationships, and get a good night sleep. Reveals how cutting-edge developments in neuroscience, and evidence-based practices can be used to improve your everyday life Other titles by Dr. Arden include: Brain-Based Therapy-Adult, Brain-Based Therapy-Child, Improving Your Memory For Dummies and Heal Your Anxiety Workbook Dr. Arden is a leader in integrating the new developments in neuroscience with psychotherapy and Director of Training in Mental Health for Kaiser Permanente for the Northern California Region Explaining exciting new developments in neuroscience and their applications to daily living, Rewire Your Brain will guide you through the process of changing your brain so you can change your life and be free of self-imposed limitations.

Deep Learning with PyTorch

The Official DVSA Theory Test for Car Drivers

Librarians, Data and the Education of a New Generation of Researchers

Learning Through Practice

Sensitivity Analysis in Practice

Teaching Philosophy and Learning to Philosophize: Status and Prospects

The Scholarship of Teaching and Learning in Practice

Includes Practice Test Questions PECT Special Education PreK-8 Secrets helps you ace the Pennsylvania Educator Certification Tests, without weeks and months of endless studying. Our comprehensive PECT Special Education PreK-8 Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. PECT Special Education PreK-8 Secrets includes: The 5 Secret Keys to PECT Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specific PECT exam, and much more...

A pronounced move from print subscriptions to electronic resources in all types of libraries has fundamentally impacted the library and its users. With the influx of resources such as e-journals; e-books; index, abstract, and/or full-text databases; aggregated databases; and others, the shift to electronic resources is rapidly changing library operational and organizational procedures. Electronic Resource Management in Libraries: Research and Practice provides comprehensive coverage of the issues, methods, theories, and challenges connected with the provision of electronic resources in libraries, with emphasis on strategic planning, operational guidelines, and practices. This book primarily focuses on management practices of the life-cycle of commercially acquired electronic resources from selection and ordering to cataloging, Web presentation, user support, usage evaluation, and more.

The Dynamics of Persuasion has been a staple resource for teaching persuasion for nearly two decades. Author Richard M. Perloff speaks to students in a style that is engaging and informational, explaining key theories and research as well as providing timely and relevant examples. The companion website includes materials for both students and instructors and

expanding the pedagogical utilities. The sixth edition includes: updated theoretical and applied research in a variety of areas, including framing, inoculation, and self-affirmation; new studies of health campaigns; expanded coverage of social media marketing; enhanced discussion of the Elaboration Likelihood Model in light of continued research and new applications to everyday persuasion. The fundamentals of the book – emphasis on theory, clear-cut explanation of findings, in-depth discussion of persuasion processes and effects, and easy-to-follow real-world applications – continue in the sixth edition.

Balancing biological, psychological, social, and cultural approaches, the Fourth Canadian Edition of Abnormal Psychology's groundbreaking integrative approach is the most modern, scientifically valid method for studying abnormal psychology. The author team--now including Dr. Martin Lalumi�re--continues to blend sophisticated research and an accessible writing style with the most widely recognized method of discussing psychopathology. Going beyond simply describing different schools of thought on psychological disorders, the authors explore the interactions of the various forces that contribute to psychopathology. A conversational writing style, consistent pedagogical elements, integrated case studies, and superior coverage of the DSM-5 (with insights from author David Barlow, an Advisor to the DSM-5 task force) help lead students to an unparalleled appreciation for the current state of what is a multidimensional and compelling clinical science.

Signals & Systems
Rewire Your Brain
Pect Special Education 7-12 Secrets
Pect Special Education Prek-8 Secrets
Health Communication
Mindfulness and Psychotherapy
Working Inside the Black Box

A source of ideas for teacher educators who wish to improve teachers' skills in dealing with pupil diversity in mainstream schools. Particular emphasis is given to teacher development, both pre-service and in-service. In addition, the book provides practical guidelines based on the UNESCO Teacher Education Resource Pack.

"We finally have the definitive treatise on PyTorch! It covers the basics and abstractions in great detail. I hope this book becomes your extended reference document." —Soumith Chintala, co-creator of PyTorch Key Features Written by PyTorch's creator and key contributors Develop deep learning models in a familiar Pythonic way Use PyTorch to build an image classifier for cancer detection Diagnose problems with your neural network and improve training with data augmentation Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book Every other day we hear about new ways to put deep learning to good use: improved medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands. Instantly familiar to anyone who knows Python data tools like NumPy and Scikit-learn, PyTorch simplifies deep learning without sacrificing advanced features. It's great for building quick models, and it scales smoothly from laptop to enterprise. Deep Learning with PyTorch teaches you to create deep learning and neural network systems with PyTorch. This practical book gets you to work right away building a tumor image classifier from scratch. After covering the basics, you'll learn best practices for the entire deep learning pipeline, tackling advanced projects as your PyTorch skills become more sophisticated. All code samples are easy to explore in downloadable Jupyter notebooks. What You Will Learn Understanding deep learning data structures such as tensors and neural networks Best practices for the PyTorch Tensor API, loading data in Python, and visualizing results Implementing modules and loss functions Utilizing pretrained models from PyTorch Hub Methods for training networks with limited inputs Sifting through unreliable results to diagnose and fix problems in your neural network Improve your results with augmented data, better model architecture, and fine tuning This Book Is Written For For Python programmers with an interest in machine learning. No experience with PyTorch or other deep learning frameworks is required. About The Authors Eli Stevens has worked in Silicon Valley for the past 15 years as a software engineer, and the past 7 years as Chief Technical Officer of a startup making medical device software. Luca Antiga is co-founder and CEO of an AI engineering company located in Bergamo, Italy, and a regular contributor to PyTorch. Thomas Viehmann is a Machine Learning and PyTorch speciality trainer and consultant based in Munich, Germany and a PyTorch core developer. Table of Contents PART 1 - CORE PYTORCH 1 Introducing deep learning and the PyTorch Library 2 Pretrained networks 3 It starts with a tensor 4 Real-world data representation using tensors 5 The mechanics of learning 6 Using a neural network to fit the data 7 Telling birds from airplanes: Learning from images 8 Using convolutions to generalize PART 2 - LEARNING FROM IMAGES IN THE REAL WORLD: EARLY DETECTION OF LUNG CANCER 9 Using PyTorch to fight cancer 10 Combining data sources into a unified dataset 11 Training a classification model to detect suspected tumors 12 Improving training with metrics and augmentation 13 Using segmentation to find suspected nodules 14 End-to-end nodule analysis, and where to go next PART 3 - DEPLOYMENT 15 Deploying to production

The practical guide to using pricing and profitability management to build a better business A comprehensive reference for any business professional looking to understand the capabilities and competencies required for effectively managing pricing and profitability, Pricing and Profitability Management explains how to determine the right approach, tools, and techniques for each of six key categories (pricing strategy, price execution, advanced analytics and optimization, organizational alignment and governance, pricing technology and data management, and tax and regulatory effectiveness). Exploring each category in detail, the book addresses how an integrated approach to pricing improvement can give a sustainable, competitive advantage to any organization. The ultimate "how to" manual for any executive or manager interested in price management, the book presents a holistic, comprehensive framework that shows how integrating these pricing categories into a cohesive program leads to impressive gains that cannot be achieved through a single-pronged approach. Presents a comprehensive framework for more effectively managing pricing and profitability Identities the six key categories of pricing and profitability management Shows you how to gain a competitive edge by managing pricing and profitability Taking a comprehensive view of pricing, companies can position themselves to tap a vast source of shareholder value—the ability to set and enforce profitable prices, not just once, but again and again in response to marketplace changes and evolving business needs—and this book will show you how.

David Crystal's classic English as a Global Language considers the history, present status and future of the English language, focusing on its role as the leading international language. English has been deemed the most 'successful' language ever, with 1500 million speakers internationally, presenting a difficult task to those who wish to investigate it in its entirety. However, Crystal explores the subject in a measured but engaging way, always backing up observations with facts and figures. Written in a detailed and fascinating manner, this is a book written by an expert both for specialists in the subject and for general readers interested in the English language.

Multicultural Education
Assessment for Learning in the Classroom
The Principles of Teaching

Easyread Super Large 18pt Edition
Vocational Training and Productivity
Research and Practice
Psychology in Modules (High School)

Offers practical advice on using and improving assessment for learning in the classroom.

New edition of a text intended primarily for the undergraduate courses on the subject which are frequently found in electrical engineering curricula--but the concepts and techniques it covers are also of fundamental importance in other engineering disciplines. The book is structured to develop in parallel the methods of analysis for continuous-time and discrete-time signals and systems, thus allowing exploration of their similarities and differences. Discussion of applications is emphasized, and numerous worked examples are included. Annotation copyrighted by Book News, Inc., Portland, OR

Thus begins market-leading author David Myers' discussion of developmental psychology in Unit 9 of his new Myers' Psychology for AP® Second Edition. With an undeniable gift for writing, Dr. Myers will lead your students on a guided tour of psychological science and poignant personal stories. Dr. Myers teaches, illuminates, and inspires. Four years ago, we published this ground-breaking text which is correlated directly to the AP® course. Today, we build on that innovation and proudly introduce the 2nd AP® Edition. Whether you are new to AP® psychology or have many years under your belt, this uniquely AP® book program can help you achieve more.

Originally published in French as "La Philosophie, une Ecole de la Liberte. Enseignement de la philosophie et apprentissage du philosopher : Etat des lieux et regards pour l'avenir." - This study is dedicated to all those who engaged themselves, with vigour and conviction, in the defence of the teaching of philosophy a fertile guarantor of liberty and autonomy. This publication is also dedicated to the young spirits of today, bound to become the active citizens of tomorrow.

Content Knowledge Study Guide
Pricing and Profitability Management
The Dynamics of Persuasion
A Practical Guide for Business Leaders
What You Need to Know about Data Mining and Data-Analytic Thinking
Mathematics Learning in Early Childhood
Pect Test Review for the Pennsylvania Educator Certification Tests

This publication is the official theory test book for car drivers, compiled by the Driver and Vehicle Standards Agency. It contains multiple choice questions from the whole theory test question bank, with answers and explanations, dealing with topics such as: alertness and attitude, vehicle safety and handling, safety margins, hazard awareness, vulnerable road users, motorway rules and rules of the road, road and traffic signs, documents, accidents, and vehicle loading.

Think all Praxis II Special Education (0354/5354) study guides are the same? Think again! With easy to understand lessons and practice test questions designed to maximize your score, you'll be ready. You don't want to waste time - and money! - retaking an exam. You want to accelerate your education, not miss opportunities for starting your future career! Every year, thousands of people think that they are ready for the Praxis II Special Education (0354/5354) test but realize too late when they get their score back that they were not ready at all. They weren't incapable, and they certainly did their best, but they simply weren't studying the right way. There are a variety of methods to prepare for the Praxis II Special Education (0354/5354) test...and they get a variety of results. Trivium Test Prep's Special Education (0354/5354) study guide provides the information, secrets, and confidence needed to get you the score you need - the first time around. Losing points on the (0354/5354)Core Knowledge and Applications exam can cost you precious time, money, and effort that you shouldn't have to spend. What is in the book? In our Special Education (0354/5354) study guide, you get the most comprehensive review of all tested concepts. The subjects are easy to understand, and have fully-explained example questions to ensure that you master the material. Best of all, we show you how this information will be applied on the real exam; Special Education (0354/5354) questions are included so that you can know, without a doubt, that you are prepared. Our study guide is streamlined and concept-driven so you get better results through more effective study time. Why spend days or even weeks reading through meaningless junk, trying to sort out the helpful information from the fluff? We give you everything you need to know in a concise, comprehensive, and effective package.

"TCRP Report 162: Building a Sustainable Workforce in the Public Transportation Industry-- A Systems Approach provides a guidebook that addresses contemporary issues in workforce development, retention, and attraction, and public transportation image management. The guidebook provides practical tools to transit agencies on a variety of workforce issues, including workforce strategies that enhance organizational processes, performance metrics to evaluate the impact of workforce strategies, image management techniques that improve perceptions of the public transportation industry, and benchmarking processes that allow for continuous organizational improvement. The

guidebook is separated into modules that may be used independently or together in the form of the fully integrated guidebook. The modules address the following areas: strategies for recruitment, retention, training and development, and professional capacity building (Module 1); metrics to evaluate the effectiveness of human resource practices adopted or contemplated (Module 2); reflections and strategies that pertain to image management (Module 3); and a framework for an ongoing benchmarking process (Module 4). In addition, separate editable metrics scorecards are included that allow for input of metrics ratings tailored to match the specific situation of the organization using the scorecards. These scorecards can be found at http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=3288. Information across the modules is in the form of example successful programs, state-of-the-art initiatives, industry effective practices, and directions to implement and measure those practices. The results of this research may be used by human resource professionals and transportation policy makers in implementing more effective human resource business-planning processes"--Foreword.

Includes Practice Test Questions PECT PreK-4 Secrets helps you ace the Pennsylvania Educator Certification Tests, without weeks and months of endless studying. Our comprehensive PECT PreK-4 Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. PECT PreK-4 Secrets includes: The 5 Secret Keys to PECT Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specific PECT exam, and much more...

Paths Toward Excellence and Equity
Praxis II Special Education (0354/5354) Study Guide
Abnormal Psychology
From Theory to Practice
English for Specific Purposes Instruction and Research
"Working with Probabilities"
Electronic Resource Management in Libraries: Research and Practice

Responding to growing interest among psychotherapists of all theoretical orientations, this practical book provides a comprehensive introduction to mindfulness and its clinical applications. The authors, who have been practicing both mindfulness and psychotherapy for decades, present a range of clear-cut procedures for implementing mindfulness techniques and teaching them to patients experiencing depression, anxiety, chronic pain, and other problems. Also addressed are ways that mindfulness practices can increase acceptance and empathy in the therapeutic relationship. The book reviews the philosophical underpinnings of mindfulness and presents compelling empirical findings. User-friendly features include illustrative case examples, practice exercises, and resource listings.
First Published in 1999. Routledge is an imprint of Taylor & Francis, an informa company.
Sensitivity analysis should be considered a pre-requisite for statistical model building in any scientific discipline where modelling takes place. For a non-expert, choosing the method of analysis for their model is complex, and depends on a number of factors. This book guides the non-expert through their problem in order to enable them to choose and apply the most appropriate method. It offers a review of the state-of-the-art in sensitivity analysis, and is suitable for a wide range of practitioners. It is focussed on the use of SIMLAB - a widely distributed freely-available sensitivity analysis software package developed by the authors - for solving problems in sensitivity analysis of statistical models. Other key features: Provides an accessible overview of the current most widely used methods for sensitivity analysis. Opens with a detailed worked example to explain the motivation behind the book. Includes a range of examples to help illustrate the concepts discussed. Focuses on implementation of the methods in the software SIMLAB - a freely-available sensitivity analysis software package developed by the authors. Contains a large number of references to sources for further reading. Authored by the leading authorities on sensitivity analysis.
Practice-based learning—the kind of education that comes from experiencing real work in real situations—has always been a prerequisite to qualification in professions such as medicine. However, there is growing interest in how practice-based models of learning can assist the initial preparation for and further development of skills for a wider range of occupations. Rather than being seen as a tool of first-time training, it is now viewed as a potentially important facet of professional development and life-long learning. This book provides perspectives on practice-based learning from a range of disciplines and fields of work. The collection here draws on a wide spectrum of perspectives to illustrate as well as to critically appraise approaches to practice-based learning. The book's two

sections first explore the conceptual foundations of learning through practice, and then provide detailed examples of its implementation. Long-standing practice-based approaches to learning have been used in many professions and trades. Indeed, admission to the trades and major professions (e.g. medicine, law, accountancy) can only be realised after completing extended periods of practice in authentic practice settings. However, the growing contemporary interest in using practice-based learning in more extensive contexts has arisen from concerns about the direct employability of graduates and the increasing focus on occupation-specific courses in both vocations and higher education. It is an especially urgent issue in an era of critical skill shortages, rapidly transforming work requirements and an aging workforce combined with a looming shortage of new workforce entrants. We must better understand how existing models of practice-based learning are enacted in order to identify how they can be applied to different kinds of employment and workplaces. The contributions to this volume explore ways in which learning through practice can be conceptualised, enacted, and appraised through an analysis of the traditions, purposes, and processes that support this learning—including curriculum models and pedagogic practices.

Pect Prek-4 Secrets Study Guide: Pect Test Review for the Pennsylvania Educator Certification Tests
Data Information Literacy
Fundamental Subjects
Philosophy a School of Freedom
Core Knowledge and Applications
Test Prep and Practice Questions for the Pennsylvania Educator Certification Tests
Designing Clinical Research

Cirrus Test Prep's PECT Special Education Prek-8 and 7-12 Study Guide includes a full review of everything tested on your certification exam, including: student growth and development, disability categories, planning and the learning environment, instruction, assessment, reading instruction, transition, and professional responsibilities. Also included are a complete practice test, and access to a suite of digital tools to enhance your mastery of the material.

Given the increasing attention to managing, publishing, and preserving research datasets as scholarly assets, what competencies in working with research data will graduate students in STEM disciplines need to be successful in their fields? And what role can librarians play in helping students attain these competencies? In addressing these questions, this book articulates a new area of opportunity for librarians and other information professionals, developing educational programs that introduce graduate students to the knowledge and skills needed to work with research data. The term "data information literacy" has been adopted with the deliberate intent of tying two emerging roles for librarians together. By viewing information literacy and data services as complementary rather than separate activities, the contributors seek to leverage the progress made and the lessons learned in each service area. The intent of the publication is to help librarians cultivate strategies and approaches for developing data information literacy programs of their own using the work done in the multiyear, IMLS-supported Data Information Literacy (DIL) project as real-world case studies. The initial chapters introduce the concepts and ideas behind data information literacy, such as the twelve data competencies. The middle chapters describe five case studies in data information literacy conducted at different institutions (Cornell, Purdue, Minnesota, Oregon), each focused on a different disciplinary area in science and engineering. They detail the approaches taken, how the programs were implemented, and the assessment metrics used to evaluate their impact. The later chapters include the "DIL Toolkit," a distillation of the lessons learned, which is presented as a handbook for librarians interested in developing their own DIL programs. The book concludes with recommendations for future directions and growth of data information literacy. More information about the DIL project can be found on the project's website: datainfolit.org.

Complete with a targeted review of all the material on the selected Praxis exam in addition to a full-length practice test, these test preparation guides are written by the makers of the real tests. Thorough explanations of the answers are provided and helpful test-taking strategies are found throughout the guide. The three categories of assessments covered correspond to the three milestones in teacher development—academic skills assessment, subject assessment, and classroom performance assessment. Reflecting the rigorous and carefully validated nature of the exams, these guides provide beginning teachers the information needed to succeed.

Diese Einführung in englischer Sprache präsentiert in 14 Kapiteln die grundlegenden Themen und Gegenstandsbereiche der Englischdidaktik. Gleichermaßen praxisnah wie theoretisch fundiert, behandelt der Band zentrale Prinzipien und Kompetenzbereiche eines modernen Fremdsprachenunterrichts. Ausgehend von den zentralen Akteur/innen (Lehrende und Lernende) und mit Blick auf die Teilbereiche der Sprach-, Literatur- und Kulturdidaktik werden zudem Vorschläge für den Einsatz unterschiedlicher Materialien und Medien diskutiert. Weitere Kapitel widmen sich den institutionellen Organisationsstrukturen und dem Bereich Assessment/Diagnose. Der Band erscheint in zweifarbiger Gestaltung, mit Definitionen und Beispielen sowie mit zahlreichen Abbildungen. This comprehensive introduction presents the fundamental topics and issues of TEFL (Teaching English as a Foreign Language) in 14 chapters. Integrating both profound theoretical and creative practical considerations, the central principles and competence domains of modern foreign language teaching are discussed. Starting with the main classroom agents (teachers and learners), the chapters outline a variety of content areas (language, literature, cultural issues) and thoroughly review materials, media and methods. Additional chapters are concerned with the historical development of English language teaching, its current institutional organisation as well as assessment and evaluation.

Current Practices, Challenges and Innovations
Models, Traditions, Orientations and Approaches
Teaching English as a Foreign Language
An Introduction

English as a Global Language
Transforming a University
A Guide to Assessing Scientific Models

Written by renowned data science experts Foster Provost and Tom Fawcett, Data Science for Business introduces the fundamental principles of data science, and walks you through the "data-analytic thinking" necessary for extracting useful knowledge and business value from the data you collect. This guide also helps you understand the many data-mining techniques in use today. Based on an MBA course Provost has taught at New York University over the past ten years, Data Science for Business provides examples of real-world business problems to illustrate these principles. You'll not only learn how to improve communication between business stakeholders and data scientists, but also how participate intelligently in your company's data science projects. You'll also discover how to think data-analytically, and fully appreciate how data science methods can support business decision-making. Understand how data science fits in your organization—and how you can use it for competitive advantage Treat data as a business asset that requires careful investment if you're to gain real value Approach business problems data-analytically, using the data-mining process to gather good data in the most appropriate way Learn general concepts for actually extracting knowledge from data Apply data science principles when interviewing data science job candidates

Includes Practice Test Questions PECT Special Education 7-12 Secrets helps you ace the Pennsylvania Educator Certification Tests, without weeks and months of endless studying. Our comprehensive PECT Special Education 7-12 Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. PECT Special Education 7-12 Secrets includes: The 5 Secret Keys to PECT Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specific PECT exam, and much more...

Early childhood mathematics is vitally important for young children's present and future educational success. Research demonstrates that virtually all young children have the capability to learn and become competent in mathematics. Furthermore, young children enjoy their early informal experiences with mathematics. Unfortunately, many children's potential in mathematics is not fully realized, especially those children who are economically disadvantaged. This is due, in part, to a lack of opportunities to learn mathematics in early childhood settings or through everyday experiences in the home and in their communities. Improvements in early childhood mathematics education can provide young children with the foundation for school success. Relying on a comprehensive review of the research, Mathematics Learning in Early Childhood lays out the critical areas that should be the focus of young children's early mathematics education, explores the extent to which they are currently being incorporated in early childhood settings, and identifies the changes needed to improve the quality of mathematics experiences for young children. This book serves as a call to action to improve the state of early childhood mathematics. It will be especially useful for policy makers and practitioners-those who work directly with children and their families in shaping the policies that affect the education of young children.

Multicultural education is a set of strategies and materials in education, developed to assist teachers in promoting democracy while responding to the many issues created by the rapidly changing demographics of their students. Multicultural education means to ensure the highest levels of academic achievement for all students: it helps students develop a positive self-concept by providing knowledge about the histories, cultures, and contributions of diversity groups. Multicultural Education: From Theory to Practice – which includes the contributions of academics and researchers from two continents and 14 culturally-challenged countries – aims to provide a platform for multicultural education researchers to present new research and developments in the area. The contributors to the book approach the foundations of multicultural education, the political context of multicultural education, classroom practices in multicultural education, and language education in a multicultural context. This volume will appeal to a wide range of academic readership, including educators, researchers, social students, teacher trainers, and teachers of all subjects and of all levels, who wish to develop personally and professionally. It will also be useful to all those who interact, one way or another, with both students and teachers in a multicultural context.

PECT Special Education Prek-8 and 7-12 Study Guide
Special Needs in the Classroom
Foundations and Learning Algorithms
Applied Mathematics, Unit 20
Think Your Way to a Better Life
Myers' Psychology for the AP® Course
Based on Psychology

This unique collection shows what happens when one university takes on the challenge of developing the scholarship of teaching and learning with a view to enhancing students' learning experiences. Authors from the sciences, engineering, humanities and social sciences, and from the health sciences, demonstrate the research they have done to investigate their students' learning. The editors, Angela Brew and Judyth Sachs, have captured the intricacies of teaching and learning in different academic domains in this rich and varied collection. The book explores students' responses to contemporary art, to multicultural music and to architecture for the poor and dispossessed. It explores students' ability to transfer mathematical knowledge from one subject to another; how students learn to talk like a pharmacist, or understand basic concepts in physics; how students are prepared for university study in first year classes or in the operating theatre; how they learn to write like a scientist; how they learn in online discussions and how they understand group work and group assessment. Each chapter is grounded in rigorous research and scholarship and indicates actions that have been taken to improve teaching and students' learning. This book is a remarkable demonstration of scholarly teaching practice from a single institution. It should be read by all teachers and managers in higher and tertiary education institutions interested in developing teaching and learning.

Data Science for Business
Building a Sustainable Workforce in the Public Transportation Industry A Systems Approach
Communication and Attitudes in the Twenty-First Century
Foundations of Human Resource Development
Random Number Generators Principles and Practices
Elements of Causal Inference