

## Gcp Web Based Training Course

This handbook highlights the growing tensions surrounding the current dominant ethical clearance model which is increasingly being questioned, particularly in critical research. It draws on stories from the field in critical research conducted in a range of contexts and countries and on an array of topics. The authors involved in this collection encountered dilemmas, contradictions and surprises that brought about a change in their understanding of ethics. Throughout the book they discuss how ethics is an ongoing and situated struggle that requires researchers, at times, to traverse traditional ethical imperatives. Four sections lead readers through the complexities of grounded ethical practice: encountering systems, including Ethics Committees and institutions; blurring boundaries within research; the politics of voice, anonymity and confidentiality; and power relations in researching 'down', 'up', and 'alongside'. This handbook is a resource for social science researchers using critical methodologies across a range of disciplines, as well as for students and teachers of ethics, in navigating the quandaries of 'doing good' while doing good research.

v. 1. Research findings -- v. 2. Concepts and methodology -- v. 3. Implementation issues -- v. 4. Programs, tools and products.

Pharmaceuticals companies, biotech companies, and CROs, regardless of size, all face the same challenge of managing costs and operational execution associated with bringing a valuable drugs and devices to market. Because of timeline pressures and cost as well as the growing interest in "neglected diseases" and diseases affecting the emerging nations, clinical trials are increasingly conducted in emerging markets and developing countries where infrastructure, leadership, skilled personnel and a governance are at a premium. Working with academics, regulatory professionals, safety officers, experts from the pharma industry and CROs, the editors have put together this up-to-date, step-by-step guide book to building and enhancing global clinical trial capacity in emerging markets and developing countries. This book covers the design, conduct, and tools to build and/or enhance human capacity to execute such trials, appealing to individuals in health ministries, pharmaceutical companies, world health organizations, academia, industry, and non-governmental organizations (NGOs) who are managing global clinical trials. Gives medical professionals the business tools needed to effectively execute clinical trials throughout the world Provides real world international examples which illustrate the practical translation of principles Includes forms, templates, and additional references for standardization in a number of global scenarios

Working with AI is complicated and expensive for many developers. That's why cloud providers have stepped in to make it easier, offering free (or affordable) state-of-the-art models and training tools to get you started. With this book, you'll learn how to use Google's AI-powered cloud services to do everything from creating a chatbot to analyzing text, images, and video. Author Micheal Lanham demonstrates methods for building and training models step-by-step and shows you how to expand your models to accomplish increasingly complex tasks. If you have a good grasp of math and the Python language, you'll quickly get up to speed with Google Cloud Platform, whether you want to build an AI assistant or a simple business AI application. Learn key concepts for data science, machine learning, and deep learning Explore tools like Video AI and AutoML Tables Build a simple language processor using deep learning systems Perform image recognition using CNNs, transfer learning, and GANs Use Google's Dialogflow to create chatbots and conversational AI Analyze video with automatic video indexing, face detection, and TensorFlow Hub Build a complete working AI agent application

Learn how easy it is to apply sophisticated statistical and machine learning methods to real-world problems when you build on top of the Google Cloud Platform (GCP). This hands-on guide shows developers entering the data science field how to implement an end-to-end data pipeline, using statistical and machine learning methods and tools on GCP.

Through the course of the book, you'll work through a sample business decision by employing a variety of data science approaches. Follow along by implementing these statistical and machine learning solutions in your own project on GCP, and discover how this platform provides a transformative and more collaborative way of doing data science. You'll learn how to: Automate and schedule data ingest, using an App Engine application Create and populate a dashboard in Google Data Studio Build a real-time analysis pipeline to carry out streaming analytics Conduct interactive data exploration with Google BigQuery Create a Bayesian model on a Cloud Dataproc cluster Build a logistic regression machine-learning model with Spark Compute time-aggregate features with a Cloud Dataflow pipeline Create a high-performing prediction model with TensorFlow Use your deployed model as a microservice you can access from both batch and real-time pipelines

A timely overview of ethics, emphasizing applications to biomedical researchers, health providers, and administrators There are no simple rules to guide ethical conduct in daily practice, health professionals must have a basic understanding of several topics including ethical theories; ethical scandals; laws, regulations, and institutional policies; and public perceptions. This book can be used for self-study, for classroom instruction, and as a refresher and update by practicing health professionals. The chapters have learning objectives, focused content, a summary of important points, a quiz, and a list of key references. Although the book is arranged in a logical order, each chapter may be studied independently.

Background: It has been proved that bystander cardiopulmonary resuscitation (CPR) saves lives; however, which training method in CPR is most instructive and whether survival is affected by the training level of the bystander have not yet been fully described. Aim: To identify the factors that may affect 7th grade students' acquisition of CPR skills during CPR training and their willingness to act, and to describe 30-day survival from outof- hospital cardiac arrest (OHCA) after bystander CPR and the actions performed by laymen versus off-duty medically educated personnel. Methods: Studies I-III investigate a CPR training intervention given to students in 7th grade during 2013-2014. The classes were randomized to the main intervention: the mobile phone application (app) or DVD-based training. Some of the classes were randomized to one or several additional interventions: a practical test with feedback, reflection, a web course, a visit from elite athletes and automated external defibrillator (AED) training. The students' practical skills, willingness to act and knowledge of stroke symptoms, symptoms of acute myocardial infarction (AMI) and lifestyle factors were assessed directly after training and at 6 months using the Laerdal

PC SkillReporting system (and entered into a modified version of the Cardiff test scoring sheet) and a questionnaire. The Cardiff test resulted in a total score of 12–48 points, and the questionnaire resulted in a total score of 0–7 points for stroke symptoms, 0–9 points for symptoms of AMI and 0–6 points on lifestyle factors. Study IV is based on retrospective data from the national quality register, the Swedish registry of cardiopulmonary resuscitation, 2010-2014. Results: A total of 1339 students were included in the CPR training intervention. The DVD-based group was superior to the app-based group in CPR skills, with a total score of 35 (SD 4.0) vs 33 (SD 4.2) points directly after training (p < 0.05). This book presents peer-reviewed articles from the 6th International Conference on Wireless Technologies, Embedded and Intelligent Systems (WITS 2020), held at Fez, Morocco. It presents original research results, new ideas and practical lessons learnt that touch on all aspects of wireless technologies, embedded and intelligent systems. WITS is an international conference that serves researchers, scholars, professionals, students and academicians looking to foster both working relationships and gain access to the latest research results. Topics covered include Telecoms & Wireless Networking Electronics & Multimedia Embedded & Intelligent Systems Renewable Energies.

Agent GCP is THE way to learn FDA regulations. The exciting, suspenseful, and sometimes zany plot of a murder in a clinical trial is interweaved with interactivity and teaching of FDA regulations in an unforgettable manner. At the completion, learners will have obtained a superb knowledge of informed consent and IRB regulations. This course covers all the regulations on informed consent procedures and Institutional Review Boards (IRBs)--that is, Good Clinical Practices in 45 CFR 46, 21 CFR 50, 21 CFR 56, and other regulations. It is useful for any person or organization participating in clinical trials. The book contains useful aids including a glossary, a list of resources, model consent forms, and texts of regulations. Those readers who wish to have an accompanying program with interactivity should also purchase the CD version.

This book is an easy-to-follow handbook that introduces readers to entry-level clinical job opportunities and explains how to qualify for them, with a particular emphasis on how to gain clinical experience that a hiring manager will accept. Each chapter covers one of the clinical specialties involved in conducting pharmaceutical clinical trials: for example, clinical research associate, clinical data manager, biostatistician, and clinical drug safety specialist. The chapters are written as personalized narratives, allowing the reader to follow the daily work of a clinical specialist as he or she supports a clinical study and interacts with the other study team members. The descriptions of these specialists are composite profiles that incorporate the true-to-life experiences of typical clinical study team members. A list of career options available to workers after mastering their entry-level clinical position, as well as a tool box for those seeking a position, are included. Career Opportunities in Clinical Drug Research also gives readers a brief overview of research and development in the pharmaceutical industry and explains how a typical clinical study is conducted.

Beta thalassemia is a common blood disorder worldwide. Thousands of infants with beta thalassemia are born each year. This book covers most of the aspects related to this disease and greatly helps in understanding this disease and its complications. Of interest are clinical studies as well as basic and translational research reports regarding pathogenesis, genetics, diagnosis as well as standard and novel therapies. This book intends to provide the reader with a comprehensive overview of today's practices and tomorrow's possibilities about beta thalassemia.

This book reports on the proceedings at the STELLAR Alpine Rendez-Vous 2013, presenting strategies in handling challenges that arise when using technology-enhanced learning (TEL). With insightful contributions from leading teachers, practitioners, researchers and policy makers, this volume will inspire everyone interested in TEL in their future projects. This book continues the influential work of the STELLAR network which was funded by the European Commission to structure the research area of technology-enhanced learning and continues to the work on the previously developed research vision. It has potential to become influential in Europe, North America and Asia.

This extensively revised second edition is a unique and portable handbook focusing on clinical trials in surgery. It includes new educational materials addressing the rapid evolution of novel research methodologies in basic science, clinical and educational research. The underlying principles of clinical trials, trial design, the development of a study cohort, statistics, data safety, data monitoring, and trial publication for device and drug trials are also discussed. Clinical Trials provides a comprehensive resource on clinical trials in surgery and describes all the stages of a clinical trial from generating a hypothesis through to trial publication and is a valuable resource for all practicing and trainee academic surgeons.

A crisis can represent the ideal time to learn new skills and switch industries. The world of the future will be built on information technology (IT). Luckily, it is possible for anyone to change industries and start working in IT. After reading this book, you will understand: - how IT departments are organized; and - how to land the best job for you and then develop your career. - that there are loads of IT roles you probably didn't know about; - the skills needed for the different roles; - the likely futures of the different available roles; - how to start working in IT; - that you don't have to be a programmer to work in IT; - that you don't have to complete your studies to get a job in IT; In this book, you will find the answers to the following questions: - Does it make sense to change careers and start working in IT? - Do you have to be a genius to work in IT? - How does the IT industry work? - What departments and roles are available in the IT industry? Many people imagine working in IT to involve programming, testing, or the provision of general help to users. They do not realize how vast the departments that deal with the maintenance of IT systems are or how many employees with various specializations work in such departments. In fact, there are jobs available in IT for almost everyone.

Despite many uncertainties in cloud computing, one truth is evident: costs will always tend to go up unless you're actively engaged in the process. Whether you're new to managing cloud spend or a seasoned pro, this book will clarify the often misunderstood workings of cloud billing fundamentals and provide expert strategies on creating a culture of cloud cost management in your organization. Drawing on real-world examples of successes and failures of large-scale cloud spenders, this book outlines a road map for building a culture of FinOps in your organization. Beginning with the fundamental concepts required to understand cloud billing concepts, you'll learn how to enable an efficient and effective FinOps machine. Learn how the cloud works when it comes to financial management Set up a FinOps team and build a framework for making spend efficiency a priority Examine the anatomy of a cloud bill and learn how to manage it Get operational recipes for maximizing cloud efficiency Understand how to motivate engineering teams to take cost-saving actions Explore the FinOps lifecycle: Inform, Optimize, and Operate Learn the DNA of a highly functional cloud FinOps culture

This book provides the perfect companion to Geoff Reiss's Project Management Demystified and presents the techniques of multi-project management in a lively, approachable manner. It covers budgets, cost control, planning problems and matrix management formulae. Drawing on a wide range of case histories and lively examples, it tackles organisational issues and the multi-project

conflicts that often arise.

This book is designed to meet the needs of both novice and senior researchers in Orthopaedics by providing the essential, clinically relevant knowledge on research methodology that is sometimes overlooked during training. Readers will find a wealth of easy-to-understand information on all relevant aspects, from protocol design, the fundamentals of statistics, and the use of computer-based tools through to the performance of clinical studies with different levels of evidence, multicenter studies, systematic reviews, meta-analyses, and economic health care studies. A key feature is a series of typical case examples that will facilitate use of the volume as a handbook for most common research approaches and study types. Younger researchers will also appreciate the guidance on preparation of abstracts, poster and paper presentations, grant applications, and publications. The authors are internationally renowned orthopaedic surgeons with extensive research experience and the book is published in collaboration with ISAKOS.

??Clinical Dermatology Trials 101 provides dermatologists with a handbook that allows them to become familiar with all aspects of clinical trials. Everything from obtaining the necessary tools and equipment, complying with local, federal, and international guidelines and regulations, and hiring and training staff for the safe and up-to-date conduct of dermatology clinical trials is covered. Written by leading experts in the field, Clinical Dermatology Trials 101 is the only clinical trial how-to available for dermatologists. With skin disease affecting nearly seventy percent of the population over a lifetime, and the rate of development of new drugs and devices for dermatologic use increasing at an exponential rate, there is a tremendous need for training and developing dermatology clinical research facilities to expedite the translation of basic and applied research, from bench to bedside. This is useful for practicing dermatologists, academic dermatologists, dermatology residents, clinical research fellows, dermatology fellows, research scientists, industry dermatologists, and medical students.?

Sybex's proven Study Guide format teaches Google Cloud Architect job skills and prepares you for this important new Cloud exam. The Google Cloud Certified Professional Cloud Architect Study Guide is the essential resource for anyone preparing for this highly sought-after, professional-level certification. Clear and accurate chapters cover 100% of exam objectives—helping you gain the knowledge and confidence to succeed on exam day. A pre-book assessment quiz helps you evaluate your skills, while chapter review questions emphasize critical points of learning. Detailed explanations of crucial topics include analyzing and defining technical and business processes, migration planning, and designing storage systems, networks, and compute resources. Written by Dan Sullivan—a well-known author and software architect specializing in analytics, machine learning, and cloud computing—this invaluable study guide includes access to the Sybex interactive online learning environment, which includes complete practice tests, electronic flash cards, a searchable glossary, and more. Providing services suitable for a wide range of applications, particularly in high-growth areas of analytics and machine learning, Google Cloud is rapidly gaining market share in the cloud computing world. Organizations are seeking certified IT professionals with the ability to deploy and operate infrastructure, services, and networks in the Google Cloud. Take your career to the next level by validating your skills and earning certification. Design and plan cloud solution architecture Manage and provision cloud infrastructure Ensure legal compliance and security standards Understand options for implementing hybrid clouds Develop solutions that meet reliability, business, and technical requirements The Google Cloud Certified Professional Cloud Architect Study Guide is a must-have for IT professionals preparing for certification to deploy and manage Google cloud services.

Learn and master the skills to become a Google Cloud Architect About This Video Master the core concepts of GCP with demos and real-world examples Learn all about computing and networking with the help of detailed lectures and demos A practical course designed for anyone who wants to become a Google Cloud Architect In Detail This GCP course will help you get to grips with the tools and concepts required to become a Cloud Architect. With its large, complex suite of products and services, GCP can be overwhelming. This course is structured into a simple, module-based learning system with core concepts, demos, and real-world examples. Whether you're a beginner looking for an introductory overview of the Google Cloud Platform or a professional studying for the certification, you'll benefit from the course. Cloud computing is at the bleeding edge of technology today. It is has also been one of the most compelling technologies of the last decade in terms of its disruption to software development, operations, systems architecture, testing, and compliance practices. Thanks to the GCP approach of scaling your application without deploying any physical hardware, Google Cloud Computing has become a must-have tool for developers. It allows developers to focus on the things that actually matter, without worrying about the underlying infrastructure. Tons of companies use Google Cloud Computing in production, since you have access to the same cloud technology right from your desktop. By the end of this course, you'll have gained in-depth knowledge of GCP and developed general cloud computing skills to help your project or company to apply the right cloud solution and continuously deliver better software. Downloading the example code for this course: You can download the example code files for this course on GitHub at the following link: <https://github.com/PacktPublishing/GCP-Google-Cloud-Platform-Data-Engineer-Cloud-Architect> . If you require support please email: [customer@packt.com](mailto:customer@packt.com).

The marine areas beyond national jurisdiction (ABNJ) comprises 40 percent of the earth's surface, it covers 64 percent of the surface of the ocean and 95 percent of its volume. The Common Oceans ABNJ Program (2014-2019) was implemented by FAO as a concerted effort to bring various stakeholders to work together to manage and conserve the world's common oceans. The Program catalysed important transformational changes and practices in governance, and operational aspects of fisheries and their impact on biodiversity. There is encouraging evidence that these are being mainstreamed by key institutional actors and early trends of positive impact point to improvement in fish stocks health and in bycatch mitigation, starting by the quality and quantity of the information available. However, the Program lacked a proper programmatic approach and missed opportunities to foster synergies among projects and capitalize on knowledge management.

A concise, easy-to-read source of essential tips and skills for writing research papers and career management In order to be truly successful in the biomedical professions, one must have excellent communication skills and networking abilities. Of equal importance is the possession of sufficient clinical knowledge, as well as a proficiency in conducting research and writing scientific papers. This unique and important book provides medical students and residents with the most commonly encountered topics in the academic and professional lifestyle, teaching them all of the practical nuances that are often only learned through experience. Written by a team of experienced professionals to help guide younger researchers, A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing features ten sections composed of seventy-four chapters that cover: qualities of research scientists; career satisfaction and its determinants; publishing in academic medicine; assessing a researcher's scientific productivity and scholarly impact; manners in academics; communication skills; essence of collaborative research; dealing with

manipulative people; writing and scientific misconduct: ethical and legal aspects; plagiarism; research regulations, proposals, grants, and practice; publication and resources; tips on writing every type of paper and report; and much more. An easy-to-read source of essential tips and skills for scientific research Emphasizes good communication skills, sound clinical judgment, knowledge of research methodology, and good writing skills Offers comprehensive guidelines that address every aspect of the medical student/resident academic and professional lifestyle Combines elements of a career-management guide and publication guide in one comprehensive reference source Includes selected personal stories by great researchers, fascinating writers, inspiring mentors, and extraordinary clinicians/scientists A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing is an excellent interdisciplinary text that will appeal to all medical students and scientists who seek to improve their writing and communication skills in order to make the most of their chosen career.

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