Sas Pre Selection Training Program

The purpose of this training handbook is to provide fitness enthusiasts and professionals with the underlying theoretical knowledge and principles of running training in order to aid their development in delivering structured and well-planned fitness running sessions for either themselves and/or their clients, on either an individual- or group-basis. To this end the book will, from a running perspective, introduce the reader to: basic biomechanics; warming-up and cooling-down; sports nutrition and exercise performance; hydration; drills; types of running training; surface and terrain selection; heart rates; and basic training schedules.

SAS provides many different solutions to investigate and analyze text and operationalize decisioning. Several impressive papers have been written to demonstrate how to use these techniques. We have carefully selected a handful of these from recent Global Forum contributions to introduce you to the topic and let you sample what each has to offer. Also available free as a PDF from sas.com/books.

The only insider?s account ever written on America?s most powerful weapon in the war against terrorism

Learn to program SAS by example! Learning SAS by Example, A Programmer's Guide, Second Edition, teaches SAS programming from very basic concepts to more advanced topics. Because most programmers prefer examples rather than reference-type syntax, this book uses short examples to explain each topic. The second edition has brought this classic book on SAS programming up to the latest SAS version, with new chapters that cover topics such as PROC SGPLOT and Perl regular expressions. This book belongs on the shelf (or e-book reader) of anyone who programs in SAS, from those with little programming experience who want to learn SAS to intermediate and even advanced SAS programmers who want to learn new techniques or identify new ways to accomplish existing tasks. In an instructive and conversational tone, author Ron Cody clearly explains each programming technique and then illustrates it with one or more real-life examples, followed by a detailed description of how the program works. The text is divided into four major sections: Getting Started, DATA Step Processing, Presenting and Summarizing Your Data, and Advanced Topics. Subjects addressed include Reading data from external sources Learning details of DATA step programming Subsetting and combining SAS data sets Understanding SAS functions and working with arrays Creating reports with PROC REPORT and PROC TABULATE Getting started with the SAS macro language Leveraging PROC SQL Generating high-quality graphics Using advanced features of user-defined formats and informats Restructuring SAS data sets Working with multiple observations per subject Getting started with Perl regular expressions You can test your knowledge and hone your skills by solving the problems at the end of each chapter.

Unlock the essentials of SAS programming! Fundamentals of Programming in SAS: A Case Studies Approach gives a complete introduction to SAS programming. Perfect for students, novice SAS users, and programmers studying for their Base SAS certification, this book covers all the basics, including: working with data creating visualizations data validation good programming practices Experienced programmers know that real-world scenarios require practical solutions. Designed for use in the classroom and for self-guided learners, this book takes a novel approach to learning SAS programming by following a single case study throughout the text and circling back to previous concepts to reinforce material. Readers will benefit from the variety of exercises, including both multiple choice questions and in-depth case studies. Additional case studies are also provided online for extra practice. This approach mirrors the way good SAS programmers develop their skills—through hands-on work with an eye toward developing the knowledge necessary to tackle more difficult tasks. After reading this book, you will gain the skills and confidence to take on larger challenges with the power of SAS.

Prepare for the SAS Base Programming for SAS 9 exam with the official guide by the SAS Global Certification Program. New and experienced SAS users who want to prepare for the SAS Base Programming for SAS 9 exam will find this guide to be an invaluable, convenient, and comprehensive resource that covers all of the objectives tested on the exam. Now in its fourth edition, the guide has been extensively updated, and revised to streamline explanations. Major topics include importing and exporting raw data files, creating and modifying SAS data sets, and identifying and correcting data syntax and programming logic errors. The chapter quizzes have been thoroughly updated and full solutions are included at the back of the book. In addition, links are provided to the exam objectives, practice exams, and other helpful resources, such as the updated Base SAS glossary and an expanded collection of practice data sets.

The SAS® Certified Specialist Prep Guide: Base Programming Using SAS® 9.4 prepares you to take the new SAS 9.4 Base Programming -- Performance-Based Exam. This is the official guide by the SAS Global Certification Program. This prep guide is for both new and experienced SAS users, and it covers all the objectives that are tested on the exam. New in this edition is a workbook whose sample scenarios require you to write code to solve problems and answer questions. Answers for the chapter quizzes and solutions for the sample scenarios in the workbook are included. You will also find links to exam objectives, practice exams, and other resources such as the Base SAS® glossary and a list of practice data sets. Major topics include importing data, creating and modifying SAS data sets, and identifying and correcting both data syntax and programming logic errors. All exam topics are covered in these chapters: Setting Up Practice Data Basic Concepts Accessing Your Data Creating SAS Data Sets Identifying and Correcting SAS Language Errors Creating Reports Understanding DATA Step Processing BY-Group Processing Creating and Managing Variables Combining SAS Data Sets Processing Data with DO Loops SAS Formats and Informats SAS Date, Time, and Datetime Values Using Functions to Manipulate Data Producing Descriptive Statistics Creating Output Practice Programming Scenarios (Workbook)

Foreword by Oliver Schabenberger, PhD Executive Vice President, Chief Operating Officer and Chief Technology Officer SAS Dive into deep learning! Machine learning and deep learning are ubiquitous in our homes and workplaces—from machine translation to image recognition and predictive analytics to autonomous driving. Deep learning holds the promise of improving many everyday tasks in a variety of disciplines. Much deep learning literature explains the mechanics of deep learning with the goal of implementing cognitive applications fueled by Big Data. This book is different. Written by an expert in high-performance analytics, Deep Learning for Numerical Applications with SAS introduces a new field: Deep Learning for Numerical Applications (DL4NA). Contrary to deep learning, the primary goal of DL4NA is not to learn from data but to dramatically improve the performance of numerical applications by training deep neural networks. Deep Learning for Numerical Applications with SAS presents deep learning concepts in SAS

along with step-by-step techniques that allow you to easily reproduce the examples on your high-performance analytics systems. It also discusses the latest hardware innovations that can power your SAS programs: from many-core CPUs to GPUs to FPGAs to ASICs. This book assumes the reader has no prior knowledge of high-performance computing, machine learning, or deep learning. It is intended for SAS developers who want to develop and run the fastest analytics. In addition to discovering the latest trends in hybrid architectures with GPUs and FPGAS, readers will learn how to Use deep learning in SAS Speed up their analytics using deep learning Easily write highly parallel programs using the many task computing paradigms This book is part of the SAS Press program.

The fun and easy way to learn to use this leading business intelligence tool Written by an author team who is directly involved with SAS, this easy-to-follow guide is fully updated for the latest release of SAS and covers just what you need to put this popular software to work in your business. SAS allows any business or enterprise to improve data delivery, analysis, reporting, movement across a company, data mining, forecasting, statistical analysis, and more. SAS For Dummies, 2nd Edition gives you the necessary background on what SAS can do for you and explains how to use the Enterprise Guide. SAS provides statistical and data analysis tools to help you deal with all kinds of data: operational, financial, performance, and more Places special emphasis on Enterprise Guide and other analytical tools, covering all commonly used features Covers all commonly used features and shows you the practical applications you can put to work in your business Explores how to get various types of data into the software and how to work with databases Covers producing reports and Web reporting tools, analytics, macros, and working with your data In the easy-to-follow, no-nonsense For Dummies format, SAS For Dummies gives you the knowledge and the confidence to get SAS working for your organization. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This book is designed to teach businesspeople, students, and others core statistical concepts and applications. It begins with absolute core principles and takes you through an overview of statistics, data and data collection, an introduction to SAS, and basic statistics (descriptive statistics and basic associational statistics). It provides an overview of statistical modeling, effect size, statistical significance and power testing, basics of linear regression, introduction to comparison of means, basics of chi-square tests for categories, extrapolating statistics to business outcomes, and some topical issues in statistics, such as big data, simulation, machine learning, and data warehousing. It teaches the core ideas of statistics through methods such as careful, intuitive written explanations, easy-to-follow diagrams, step-by-step technique implementation, and interesting metaphors. --

Do government-sponsored youth employment programs actually help? Between 1978 and 1981, the Youth Employment and Demonstration Projects Act (YEDPA) funded extensive programs designed to aid disadvantaged youth. The Committee on Youth Employment Programs examined the voluminous research performed by YEDPA and produced a comprehensive report and evaluation of the YEDPA efforts to assist the underprivileged. Beginning with YEDPA's inception and effective lifespan, this report goes on to analyze the data it generated, evaluate its accuracy, and draw conclusions about which YEDPA programs were effective, which were not, and why. A discussion of YEDPA strategies and their perceived value concludes the volume.

The fitness plan used by the SAS - perfect for fans of British Miltary Fitness classes. Every year thousands of men and women discover new levels of fitness and inner strength as they are put through their paces to meet demanding standards required for new recruits in the British Army - this book will take you to the same level. Beyond that are the elite: the SAS, Paras and Commandos. Each unit has rigorous and searching requirements designed to select only the strongest, fittest and meanest for the world's toughest regiments. Recommended by a recent SAS squadron commander as 'an excellent guide', FIGHTING FIT's unique and proven training programmes have already helped many soldiers pass these most demanding tests. Now you can join them. Illustrated throughout and including inside information on the kit you'll need, the food you should eat and how to cope with injury, FIGHTING FIT is the comprehensive insider's guide to the fitness methods of the world's most professional army.

Learn how to access analytics from SAS Cloud Analytic Services (CAS) using R and the SAS Viya platform. SAS Viya : The R Perspective is a general-purpose introduction to using R with the SAS Viya platform. SAS Viya is a high-performance, fault-tolerant analytics architecture that can be deployed on both public and private cloud infrastructures. This book introduces an entirely new way of using SAS statistics from R, taking users step-by-step from installation and fundamentals to data exploration and modeling. SAS Viya is made up of multiple components. The central piece of this ecosystem is SAS Cloud Analytic Services (CAS). CAS is the cloud-based server that all clients communicate with to run analytical methods. While SAS Viya can be used by various SAS applications, it also enables you to access analytic methods from SAS, R, Python, Lua, and Java, as well as through a REST interface using HTTP or HTTPS. The R client is used to drive the CAS component directly using commands and actions that are familiar to R programmers. Key features of this book include: Connecting to CAS from R Loading, managing, and exploring CAS Data from R Executing CAS actions and processing the results Handling CAS action errors Modeling continuous and categorical data This book is intended for R users who want to access SAS analytics as well as SAS users who are interested in trying R. Familiarity with R would be helpful before using this book although knowledge of CAS is not required. However, you will need to have a CAS server set up and running to execute the examples in this book.

Updated and expanded with more than 80 pages of new content! Improve your athletic performance, extend your athletic career, treat stiffness and achy joints, and prevent and rehabilitate injuries—all without having to seek out a coach, doctor, chiropractor, physical therapist, or masseur. In Becoming a Supple Leopard, Dr. Kelly Starrett—founder of

MobilityWOD.com—shares his revolutionary approach to mobility and maintenance of the human body and teaches you how to hack your own movement, allowing you to live a healthier, more fulfilling life. This new edition of the New York Times and Wall Street Journal bestseller has been thoroughly revised to make it even easier to put to use. Want to truly understand the principles that guide human movement? Becoming a Supple Leopard lays out a blueprint for moving safely and effectively through life and sport. Want to learn how to apply those principles to specific movements, whether you are doing squats in the gym or picking up a bag of groceries? Hundreds of step-by-step photos show you not only how to perform a host of exercise movements, such the squat, deadlift, pushup, kettlebell swing, clean, snatch, and muscle-up, but also how to correct the common faults associated with those movements. Frustrated because you can't perform a certain movement correctly due to range of motion restrictions? Breaking the body down into 14 distinct areas, Starrett demonstrates hundreds of mobilization techniques that will help you resolve restrictions and reclaim your mobility. Unsure how to put it all together into a program that addresses your individual needs? This updated edition lays out dozens of prescriptions that allow you to hone in on a specific limitation, a nagging injury, or an exercise fault that you just can't seem to get right. It even offers a 14-day full-body mobility overhaul. Performance is what drives us as human beings, but dysfunctional movement patterns can bring the human body to an abrupt halt. Often, the factors that impede performance are invisible even to seasoned athletes and coaches. Becoming a Supple Leopard makes the invisible visible. Whether you are a professional athlete, a weekend warrior, or simply someone wanting to live healthy and free from physical restrictions, this one-of-a-kind training manual will teach you how to harness your athletic potential and maintain your body. Learn how to perform basic maintenance on your body, unlock your athletic potential, live pain-free…and become a Supple Leopard. This step-by-step guide to movement and mobility will show you how to: - Move safely and efficiently in all situations - Organize your spine and joints in optimal, stable positions - Restore normal function to your joints and tissues - Accelerate recovery after training sessions and competition - Properly perform strength and conditioning movements like the squat, bench press, pushup, deadlift, clean, and snatch - Build efficient, transferable movement patterns and skill progressions from simple to more advanced exercises - Identify, diagnose, and correct inefficient movement patterns - Treat and resolve common symptoms like low back pain, carpal tunnel, shoulder pain, and tennis elbow - Prevent and rehabilitate common athletic injuries - Use mobilization techniques to address short and stiff muscles, soft tissue and joint capsule restriction, motor control problems, and joint range of motion limitations - Create personalized mobility prescriptions to improve movement efficiency

Learn data science concepts with real-world examples in SAS! End-to-End Data Science with SAS: A Hands-On Programming Guide provides clear and practical explanations of the data science environment, machine learning techniques, and the SAS programming knowledge necessary to develop machine learning models in any industry. The book covers concepts including understanding the business need, creating a modeling data set, linear regression, parametric classification models, and non-parametric classification models. Real-world business examples and example code are used to demonstrate each process step-by-step. Although a significant amount of background information and supporting mathematics are presented, the book is not structured as a textbook, but rather it is a user's guide for the application of data science and machine learning in a business environment. Readers will learn how to think like a data scientist, wrangle messy data, choose a model, and evaluate the model's effectiveness. New data scientists or professionals who want more experience with SAS will find this book to be an invaluable reference. Take your data science career to the next level by mastering SAS programming for machine learning models.

Tracking originated with man's need for food; he needed to understand what he was following and what the rewards would be if he was successful. Little has changed over time about the terms of tracking. We still track game for sport and food, but we have also found other uses for tracking. Border police patrol to stop illegal immigrants from entering their country; the military tracks down wanted terrorists or enemy forces. Tracking has become a military skill. In the SAS Tracking Handbook, former SAS soldier and British Empire Medal (BEM) award–winner Barry Davies teaches not only how to survive in the outdoors with the skills of tracking, but how to use these skills from a military standpoint. Included in this book are many helpful tips on topics including: The types of dogs used for tracking. Traps for catching wild animals. Modern military tracking. Using your surroundings to your advantage. And much more. The success or failure of the modern tracker is dependent on the personal skills of the individual tracker. Training is vital in learning tracking skills, and continuous exercise the best way to interpret signs. These skills are rarely found, but they remain hidden deep within all of us. So whether you're already a skilled tracker or a novice in the field, the SAS Tracking Handbook will be your guide to mastering this old and respected art.

SAS Visual Data Mining and Machine Learning, powered by SAS Viya, means that users of all skill levels can visually explore data on their own while drawing on powerful in-memory technologies for faster analytic computations and discoveries. You can manually program with custom code or use the features in SAS Studio, Model Studio, and SAS Visual Analytics to automate your data manipulation and modeling. These programs offer a flexible, easy-to-use, self-service environment that can scale on an enterprise-wide level. In this book, we will explore some of the many features of SAS Visual Data Mining and Machine Learning including: programming in the Python interface; new, advanced data mining and machine learning procedures; pipeline building in Model Studio, and model building and comparison in SAS Visual Analytics.

Air Force members who do not routinely cross a defended perimeter when deployed may not have received sufficient training for doing so when they need to. The authors conducted surveys and interviews to determine the kinds of experiences airmen have had "outside the wire," worked with subject-matter experts to categorize them and suggest training levels, and developed a series of recommendations for course content and further areas for study.

For decades researchers and programmers have used SAS to analyze, summarize, and report clinical trial data. Now Chris Holland and Jack Shostak have updated their popular Implementing CDISC Using SAS, the first comprehensive book on applying clinical research data and metadata to the Clinical Data Interchange Standards Consortium (CDISC) standards. Implementing CDISC Using SAS: An End-to-End Guide, Revised Second Edition, is an all-inclusive guide on how to implement and analyze the Study Data Tabulation Model (SDTM) and the Analysis Data Model (ADaM) data and prepare clinical trial data for regulatory submission. Updated to reflect the 2017 FDA mandate for adherence to CDISC standards, this new edition covers creating and using metadata, developing conversion specifications, implementing and validating SDTM and ADaM data, determining solutions for legacy data conversions, and preparing data for regulatory submission. The book covers products such as Base SAS, SAS Clinical Data Integration, and the SAS Clinical Standards Toolkit, as well as JMP Clinical. Topics included in this edition include an implementation of the Define-XML 2.0 standard, new SDTM domains,

validation with Pinnacle 21 software, event narratives in JMP Clinical, STDM and ADAM metadata spreadsheets, and of course new versions of SAS and JMP software. The second edition was revised to add the latest C-Codes from the most recent release as well as update the make_define macro that accompanies this book in order to add the capability to handle C-Codes. The metadata spreadsheets were updated accordingly. Any manager or user of clinical trial data in this day and age is likely to benefit from knowing how to either put data into a CDISC standard or analyzing and finding data once it is in a CDISC format. If you are one such person--a data manager, clinical and/or statistical programmer, biostatistician, or even a clinician--then this book is for you.

This handbook reveals the techniques and tactics that make the U.S. Army Special Forces some of the most elite and highly skilled soldiers in the world. Trained to succeed in specialized operations such as reconnaissance, unconventional warfare, and counter-terrorism, these soldiers undergo a rigorous selection process and operate under the principles of self-sufficiency, stealth, speed, and teamwork. Here readers will discover how guerrilla forces differ from special forces and how unconventional warfare relates to both; how to conduct a raid; how to improvise explosive devices; and how special forces carry out air operations.

From his cage in a putrid, overcrowded Indian gaol, Paul Jordan reflects on a life lived on the edge and curses the miscalculation that robbed him of his freedom. His childhood, marred by the loss of his father and brother, produce a young man hell bent on being the best of the best - an ambition he achieves by being selected to join the elite SAS. He survives the gut-wrenching training regime, deployment to the jungles of Asia and the horrors of genocide in Rwanda before leaving the army to embark on a career as a security adviser. His new life sees him pursuing criminals and gun-toting bandits in Papua New Guinea and the Solomons, protecting CNN newsmen as the US 7th Cavalry storms into Baghdad with the outbreak of the Iraq War, and facing death on a massive scale as he accompanies reporters into the devastated Indonesian town of Banda Aceh, flattened by the Boxing Day tsunami. During his 24 days in an Indian gaol, Paul Jordan discovers that friendship and human dignity somehow survive the filth and deprivation. This is a personal account of a tough, hardened fighter who suddenly finds himself totally dependent on others for his every need. The Easy Day was Yesterday is fast paced, brutally honest and raw, but laced with dark humour. The core of Paul Jordan's eventful life, however, is the strength of his bonds with family and friends and the ability of the human spirit to survive even the direst adversity.

Includes the best articles from Soccer Journal that cover the most important aspects of soccer: technique, tactics, the mental game, and the physical game.

Teaches the skills and offers up the tips and information people need if things really go wrong; for people who have decided to take their safety into their own hands in learning to live off the land, digging the own wells, providing their own power and defending themselves.

SAS Programming for R Users, based on the free SAS Education course of the same name, is designed for experienced R users who want to transfer their programming skills to SAS. Emphasis is on programming and not statistical theory or interpretation. You will learn how to write programs in SAS that replicate familiar functions and capabilities in R. This book covers a wide range of topics including the basics of the SAS programming language, how to import data, how to create new variables, random number generation, linear modeling, Interactive Matrix Language (IML), and many other SAS procedures. This book also explains how to write R code directly in the SAS code editor for seamless integration between the two tools. Exercises are provided at the end of each chapter so that you can test your knowledge and practice your programming skills.

Twice a year, 150 anxious recruits gather at SAS headquarters in the UK, their minds focused on one objective: to become SAS soldiers in one of the world's most elite regiments. Yet between arriving and receiving the famous winged dagger badge, stands nearly four months of the toughest military selection process in the world. Could you rise to this exceptional challenge of mind and body? The SAS Training Manual shows you how. Beginning with essential preparation, the book covers fitness training, navigation skills and the four-week selection course itself. Find out how to keep the instructors happy, how to deal with exhaustion during Test Week, and how to survive disaster strike on bleak mountains. But having been selected, there's still training. Learn how the recruits acquire the skills of an SAS soldier, from hostage rescue to handling foreign weapons, from parachute training to surviving jungle courses, from escape and evasion to resistance and interrogation. Illustrated with black-and-white photographs and instructive artworks and including first-hand accounts, The SAS Training Manual is an exhaustive, lively guide to the process of becoming one of the world's best soldiers. Twice a year, 150 anxious recruits gather at SAS headquarters in Hereford, England, their minds focused on one objective: to become SAS soldiers in one of the world's most elite regiments. Yet between arriving and receiving the famous winged dagger badge, stands nearly four months of the toughest military selection process in the world. Could you rise to this exceptional challenge of mind and body? The SAS Training Manual shows you how. Beginning with essential preparation, the book covers fitness training, navigation skills and the four-week selection course itself. Find out how to keep the instructors happy, how to deal with exhaustion during Test Week, and how to survive disaster strike on bleak mountains. But having been selected, there's still training. Learn how the recruits acquire the skills of an SAS soldier, from hostage rescue to handling foreign weapons, from parachute training to surviving jungle courses, from escape and evasion to resistance and interrogation. Illustrated with black-and-white photographs and instructive artworks and including first-hand accounts, The SAS Training Manual is an exhaustive, lively guide to the process of becoming one of the world's best soldiers.

SAS Visual Analytics is a business intelligence and analytics platform that provides visual exploration and discovery, self-service analytics, and interactive reporting for organizations of all sizes. All organizations have a wide variety of users, and each user needs something different from data and analytics. SAS Visual Analytics allows everyone to easily discover and share powerful insights that inspire action. Several useful papers have been written to demonstrate how to use these techniques. We have carefully selected a handful of these from recent Global Forum contributions to introduce you to the topic and let you sample what each has to offer. Also available free as a PDF from sas.com/books.

Introduces a range of data analysis problems encountered in drug development and illustrates them using case studies from actual pre-clinical experiments and clinical studies. Includes a discussion of methodological issues, practical advice from subject matter experts, and review of relevant regulatory guidelines.

Life and leadership lessons from the Special Forces, from the stars of Channel 4 series SAS: Who Dares Wins - including Sunday Times bestselling author of FIRST MAN:

LEADING FROM THE FRONT, Ant Middleton Are you up to the challenge of SAS leadership? Only the best will succeed... Britain's SAS (Special Air Service) has an unparalleled reputation for soldiering excellence. Their skills and techniques have been perfected in the most demanding environments imaginable, but many of these can also be used in our everyday lives. This book takes situations all of us will experience during our lives and presents tactical lessons drawn from SAS training and battlefield experience. Its four authors - stars of the hit Channel 4 show SAS: Who Dares Wins - how their finely honed understanding of how to handle extreme challenges can be applied in any environment. Their advice on negotiation, people management, self-motivation and resilience, among other things, can transform your performance in a whole range of scenarios: from buying a house, nailing a job interview, and the experience of dealing with rejection, to maintaining a diet, or managing that pushy colleague at work. This is the ultimate guide to leadership and personal achievement.

Ever get the feeling that you're destined for great things, but you don't quite know how to get started? Perhaps you're stuck in a rut with life passing you by and a fear that you will die wondering what you could have achieved? If so this book is for you. Average 70kg D**khead tracks key life events of Dr Dan Pronk from his beginnings as an average chubby kid, through his failed attempt at professional triathlon, onto becoming a doctor, joining army Special Forces, being decorated for his conduct in action in Afghanistan, and then onto his post-army career as a medical executive and co-owner of a multimillion dollar business. Throughout the book Dan shares his motivational philosophies and key lessons learned from his journey. He breaks down the goal setting process and provides examples of how seemingly impossible goals can be deconstructed into smaller and smaller achievable sub-goals, creating a clear pathway to getting started and moving towards your ambitious objectives. Dan highlights the crucial factor of persistence in goal attainment and uses case studies from the Special Forces selection process to illustrate that average people with above-average persistence will beat stronger, smarter, faster, and more educated people who are not as willing to persist every time. This book will inspire you to do more. Be it to get off the couch and get started, or double down on your existing goals and supercharge your commitment to them. You only get one go at this life, so what are you waiting for? Give it a read and get going!

"The U.S. Air Force's special operations and combat support specialties in the enlisted force are among the highest in demand by the service yet have persistently high rates of attrition in their initial skills training, which is called "technical training" in the Air Force. These high-demand, high-attrition (HDHA) specialties include Combat Control; Explosive Ordnance Disposal; Pararescue; Survival, Evasion, Resistance, and Escape; Special Operations Weather Team; and Tactical Air Control Party. The Air Force has conducted or sponsored several efforts to address training attrition in these specialties over the past several years, yet training attrition remains high. The reasons for high training attrition are interrelated, with size and quality of the recruiting pool, utility of screening tools, and training environment factors all playing a role. This report addresses the broader challenges for implementing new approaches to HDHA specialty recruiting, screening, and development of Air Force candidates, and takes a holistic approach to identifying methods and tools to fill gaps in current processes."--

This first book in the series covers how to access data files, libraries, and existing code in SAS Studio. You also learn about new procedures in SAS Viya, how to write new code, and how to use some of the pre-installed tasks that come with SAS Visual Data Mining and Machine Learning. In the last chapter, you learn how to use the features in SAS Data Preparation to perform data management tasks using SAS Data Explorer, SAS Data Studio, and SAS Lineage Viewer. Also available free as a PDF from sas.com/books.

Find guidance on using SAS for multiple imputation and solving common missing data issues. Multiple Imputation of Missing Data Using SAS provides both theoretical background and constructive solutions for those working with incomplete data sets in an engaging example-driven format. It offers practical instruction on the use of SAS for multiple imputation and provides numerous examples that use a variety of public release data sets with applications to survey data. Written for users with an intermediate background in SAS programming and statistics, this book is an excellent resource for anyone seeking guidance on multiple imputation. The authors cover the MI and MIANALYZE procedures in detail, along with other procedures used for analysis of complete data sets. They guide analysts through the multiple imputation process, including evaluation of missing data patterns, choice of an imputation method, execution of the process, and interpretation of results. Topics discussed include how to deal with missing data problems in a statistically appropriate manner, how to intelligently select an imputation method, how to incorporate the uncertainty introduced by the imputation process, and how to incorporate the complex sample design (if appropriate) through use of the SAS SURVEY procedures. Discover the theoretical background and see extensive applications of the multiple imputation process in action. This book is part of the SAS Press program.

In this encyclopedic book, Lewis provides insights into the origins, training, tactics, weapons and achievements of special forces and special mission units throughout the world, focusing particularly on US and UK forces. He also looks at the codes that that bind the members of these elite units together. He reveals training secrets in everything from wilderness survival to hand-to-hand combat. In doing so, he draws extensively on biographies, autobiographies, training manuals, interviews and press coverage of key operations. The elite forces covered include: The British Army's Special Air Service (SAS), established in 1950, which has served as a model for the special forces of many countries. Its counter-terrorist wing famously took part in the hostage rescue during the siege of the Iranian Embassy in London in 1980. The Parachute Regiment, the airborne infantry element of 16 Air Assault Brigade, which spearheads the British Army's rapid intervention capability. It is closely linked to United Kingdom Special Forces. The US Navy's SEALS (Sea, Air, Land Teams), trained to conduct special operations in any environment, but uniquely specialised and equipped to operate from and in the sea. Together with speedboat-operating Naval Special Warfare Combatant-Craft Crewmen, they form the operational arm of the Naval Special Warfare community, the Navy component of the US Special Operations Command. Their special operations include: neutralizing enemy forces; reconnaissance; counter-terrorism (famously in the killing of Osama bin Laden); and training allies. The US Army's Delta Force: The Special Mission Unit, 1st Special Forces Operational Detachment-Delta (1st SFOD-D), known simply as Delta Force, the Army component of Joint Special Operations Command. Its role is counter-terrorism, direct action and national intervention operations, though it has the capability to conduct many different kinds of clandestine missions, including hostage rescues and raids. The US Army Rangers, a light infantry combat formation under the US Army Special Operation Command. The Green Berets - motto: 'to free the oppressed' - trained in languages, culture, diplomacy, psychological warfare and disinformation. Russia's Spetsnaz, whose crack anti-terrorist commandos ended the Moscow theatre siege, and who have a reputation for being among the world's toughest and most ruthless soldiers. Spetsnaz units saw extensive action in Afghanistan and Chechnya, often operating far behind enemy lines. Israeli Special Forces, especially Shayetet 13 (Flotilla 13), whose motto, in common with the rest of the Israeli military, is 'Never again', a reference to the Holocaust. They are particularly adept at the specifically Israeli martial art Krav Maga, which they dub 'Jew-jitsu'.

Computer vision is a field of artificial intelligence that trains computers to interpret and understand the visual world. In recent years, computer vision has begun to rival and even surpass human visual abilities in many areas. SAS offers many different solutions to train computers to "see" by identifying and classifying objects, and several groundbreaking papers have been written to demonstrate these techniques. The papers included in this special collection demonstrate how the latest computer vision tools and techniques can be used to solve a variety of business problems.

By the age of twelve, Azi Ahmed had been fully trained in all the skills her mother thought necessary to become the perfect housewife: knitting, sewing and sitting pretty. Little did she know that a rather different sort of training lay in her future. With no military experience, physically slight and, before entering Chelsea Barracks, socially isolated, Azi suddenly finds herself in selection training with eleven other girls and 200 men, all hoping to become part of the British Army's most elite fighting force - the SAS. She soon realises the physical challenge is the least of her worries. Deep-rooted ethnic and gender prejudices abound and Azi is faced with trying to defend her religion and culture within a regimented and hostile environment, a situation that is not helped by the events of 9/11. While Azi deals with non-halal ration packs, squaddie drinking culture and the most rigorous tests of mental and physical strength, her parents, completely unaware of her double life, are still trying to find her a suitable boy to marry. With the two most important institutions in her life at loggerheads, Azi is forced to choose - but will either be enough? Worlds Apart is the incredible true story of the most violent of culture clashes, of one woman's fight not only to be 'the best of the best', but to remain true to herself in the process.

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