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The Data Wrangler's Handbook Machine Learning Engineering on AWS Data Wrangling on AWS Data Wrangling with Python Teach Yourself VISUALLY Mac Mini Architecting Cloud-Native Serverless Solutions Integrated Formal Methods Beginning Xcode Windows Media 9 Series by Example The Filmmaker's Guide to Digital Imaging Macworld Getting Started with Amazon SageMaker Studio Applied Machine Learning for Healthcare and Life Sciences Using AWS Industrial IoT for Architects and Engineers Fundamental Approaches to Software Engineering Wrangler's Corner Collection Volume 2 Dreamweaver 8 Data Science on AWS Dreamweaver CS6: The Missing Manual Motion Graphics Digital Foundations Writing for News Media Visual Effects in a Digital World Software and CD-ROM Reviews on File The Media Workflow Puzzle The Data Wrangling Workshop Dreamweaver CS4 Bad Data Handbook Data Engineering with AWS LSAT For Dummies Practical Python Data Wrangling and Data Quality Data Cleaning Data Wrangling with Python Information Industry Directory Learn Amazon SageMaker E-Course Microsoft Internet Explorer 4 Effective Data Science Infrastructure Voice & Vision Real World Adobe InDesign CS4 Next-Generation Big Data

Go beyond connecting services to understand the unique challenges encountered in industrial environments by building Industrial IoT architectures using AWS Purchase of the print or kindle book includes a free eBook in the PDF format Key Features Understand the key components of IoT Architecture and how it applies to Industry 4.0 Walk through extensive examples and solutions across multiple Industries Learn how to collect, process, store, and analyse Industrial IoT data Book Description When it comes to using the core and managed services available on AWS for making decisions about architectural environments for an enterprise, there are as many challenges as there are advantages. This Industrial IoT book follows the journey of data from the shop floor to the boardroom, identifying goals and aiding in strong architectural decision-making. You'll begin from the ground up, analyzing environment needs and understanding what is required from the captured data, applying industry standards and conventions throughout the process. This will help you realize why digital integration is crucial and how to approach an Industrial IoT project from a holistic perspective. As you advance, you'll delve into the operational technology realm and consider integration patterns with common industrial protocols for data gathering and analysis with direct connectivity to data through sensors or systems. The book will equip you with the essentials for designing industrial IoT architectures while also covering intelligence at the edge and creating a greater awareness of the role of machine learning and artificial intelligence in overcoming architectural challenges. By the end of this book, you'll be ready to apply IoT directly to the industry while adapting the concepts covered to implement AWS IoT technologies. What you will learn Discover Industrial IoT best practices and conventions Understand how to get started with edge computing Define and build IoT solution architectures from scratch Use AWS as the core of your solution platform Apply advanced analytics and machine learning to your data Deploy edge processing to react in near real time to events within your environment Who this book is for This book is for architects, engineers, developers, and technical professionals interested in building an edge and cloud-based Internet of Things ecosystem with a focus on industry solutions. Since the focus of this book is specifically on IoT, a solid understanding of core IoT technologies and how they work is necessary to get started. If you are someone with no hands-on experience, but are familiar with the subject, you'll find the use cases useful to learn how architectural decisions are made. Build production-grade machine learning models with Amazon SageMaker Studio, the first integrated development environment in the cloud, using real-life machine learning examples and code Key Features Understand the ML lifecycle in the cloud and its development on Amazon SageMaker Studio Learn to apply SageMaker features in SageMaker Studio for ML use cases Scale and operationalize the ML lifecycle effectively using SageMaker Studio Book Description Amazon SageMaker Studio is the first integrated development environment (IDE) for machine learning (ML) and is designed to integrate ML workflows: data preparation, feature engineering, statistical bias detection, automated machine learning

(AutoML), training, hosting, ML explainability, monitoring, and MLOps in one environment. In this book, you'll start by exploring the features available in Amazon SageMaker Studio to analyze data, develop ML models, and productionize models to meet your goals. As you progress, you will learn how these features work together to address common challenges when building ML models in production. After that, you'll understand how to effectively scale and operationalize the ML life cycle using SageMaker Studio. By the end of this book, you'll have learned ML best practices regarding Amazon SageMaker Studio, as well as being able to improve productivity in the ML development life cycle and build and deploy models easily for your ML use cases. What you will learn Explore the ML development life cycle in the cloud Understand SageMaker Studio features and the user interface Build a dataset with clicks and host a feature store for ML Train ML models with ease and scale Create ML models and solutions with little code Host ML models in the cloud with optimal cloud resources Ensure optimal model performance with model monitoring Apply governance and operational excellence to ML projects Who this book is for This book is for data scientists and machine learning engineers who are looking to become well-versed with Amazon SageMaker Studio and gain hands-on machine learning experience to handle every step in the ML lifecycle, including building data as well as training and hosting models. Although basic knowledge of machine learning and data science is necessary, no previous knowledge of SageMaker Studio and cloud experience is required. Swiftly build and deploy machine learning models without managing infrastructure and boost productivity using the latest Amazon SageMaker capabilities such as Studio, Autopilot, Data Wrangler, Pipelines, and Feature Store Key Features Build, train, and deploy machine learning models quickly using Amazon SageMaker Optimize the accuracy, cost, and fairness of your models Create and automate end-to-end machine learning workflows on Amazon Web Services (AWS) Book Description Amazon SageMaker enables you to quickly build, train, and deploy machine learning models at scale without managing any infrastructure. It helps you focus on the machine learning problem at hand and deploy high-quality models by eliminating the heavy lifting typically involved in each step of the ML process. This second edition will help data scientists and ML developers to explore new features such as SageMaker Data Wrangler, Pipelines, Clarify, Feature Store, and much more. You'll start by learning how to use various capabilities of SageMaker as a single toolset to solve ML challenges and progress to cover features such as AutoML, built-in algorithms and frameworks, and writing your own code and algorithms to build ML models. The book will then show you how to integrate Amazon SageMaker with popular deep learning libraries, such as TensorFlow and PyTorch, to extend the capabilities of existing models. You'll also see how automating your workflows can help you get to production faster with minimum effort and at a lower cost. Finally, you'll explore SageMaker Debugger and SageMaker Model Monitor to detect quality issues in training and production. By the end of this Amazon book, you'll be able to use Amazon SageMaker on the full spectrum of ML workflows, from experimentation, training, and monitoring to scaling, deployment, and automation. What you will learn Become well-versed with data annotation and preparation techniques Use AutoML features to build and train machine learning models with AutoPilot Create models using built-in algorithms and frameworks and your own code Train computer vision and natural language processing (NLP) models using real-world examples Cover training techniques for scaling, model optimization, model debugging, and cost optimization Automate deployment tasks in a variety of configurations using SDK and several automation tools Who this book is for This book is for software engineers, machine learning developers, data scientists, and AWS users who are new to using Amazon SageMaker and want to build high-quality machine learning models without worrying about infrastructure. Knowledge of AWS basics is required to grasp the concepts covered in this book more effectively. A solid understanding of machine learning concepts and the Python programming language will also be beneficial. Revamp your data landscape and implement highly effective data pipelines in AWS with this hands-on guide Purchase of the print or Kindle book includes a free PDF eBook Key Features Execute extract, transform, and load (ETL) tasks on data lakes, data

warehouses, and databases Implement effective Pandas data operation with data wrangler Integrate pipelines with AWS data services Book Description Data wrangling is the process of cleaning, transforming, and organizing raw, messy, or unstructured data into a structured format. It involves processes such as data cleaning, data integration, data transformation, and data enrichment to ensure that the data is accurate, consistent, and suitable for analysis. Data Wrangling on AWS equips you with the knowledge to reap the full potential of AWS data wrangling tools. First, you'll be introduced to data wrangling on AWS and will be familiarized with data wrangling services available in AWS. You'll understand how to work with AWS Glue DataBrew, AWS data wrangler, and AWS Sagemaker. Next, you'll discover other AWS services like Amazon S3, Redshift, Athena, and Quicksight. Additionally, you'll explore advanced topics such as performing Pandas data operation with AWS data wrangler, optimizing ML data with AWS SageMaker, building the data warehouse with Glue DataBrew, along with security and monitoring aspects. By the end of this book, you'll be well-equipped to perform data wrangling using AWS services. What you will learn Explore how to write simple to complex transformations using AWS data wrangler Use abstracted functions to extract and load data from and into AWS datastores Configure AWS Glue DataBrew for data wrangling Develop data pipelines using AWS data wrangler Integrate AWS security features into Data Wrangler using identity and access management (IAM) Optimize your data with AWS SageMaker Who this book is for This book is for data engineers, data scientists, and business data analysts looking to explore the capabilities, tools, and services of data wrangling on AWS for their ETL tasks. Basic knowledge of Python, Pandas, and a familiarity with AWS tools such as AWS Glue, Amazon Athena is required to get the most out of this book. How do you take your data analysis skills beyond Excel to the next level? By learning just enough Python to get stuff done. This hands-on guide shows non-programmers like you how to process information that's initially too messy or difficult to access. You don't need to know a thing about the Python programming language to get started. Through various step-by-step exercises, you'll learn how to acquire, clean, analyze, and present data efficiently. You'll also discover how to automate your data process, schedule file- editing and clean-up tasks, process larger datasets, and create compelling stories with data you obtain. Quickly learn basic Python syntax, data types, and language concepts Work with both machine-readable and human-consumable data Scrape websites and APIs to find a bounty of useful information Clean and format data to eliminate duplicates and errors in your datasets Learn when to standardize data and when to test and script data cleanup Explore and analyze your datasets with new Python libraries and techniques Use Python solutions to automate your entire data-wrangling process With this practical book, AI and machine learning practitioners will learn how to successfully build and deploy data science projects on Amazon Web Services. The Amazon AI and machine learning stack unifies data science, data engineering, and application development to help level up your skills. This guide shows you how to build and run pipelines in the cloud, then integrate the results into applications in minutes instead of days. Throughout the book, authors Chris Fregly and Antje Barth demonstrate how to reduce cost and improve performance. Apply the Amazon AI and ML stack to real-world use cases for natural language processing, computer vision, fraud detection, conversational devices, and more Use automated machine learning to implement a specific subset of use cases with SageMaker Autopilot Dive deep into the complete model development lifecycle for a BERT-based NLP use case including data ingestion, analysis, model training, and deployment Tie everything together into a repeatable machine learning operations pipeline Explore real-time ML, anomaly detection, and streaming analytics on data streams with Amazon Kinesis and Managed Streaming for Apache Kafka Learn security best practices for data science projects and workflows including identity and access management, authentication, authorization, and more Simplify data science infrastructure to give data scientists an efficient path from prototype to production. In Effective Data Science Infrastructure you will learn how to: Design data science infrastructure that boosts productivity Handle compute and orchestration in the cloud Deploy machine learning to production Monitor and manage performance and results Combine cloud-based tools into a cohesive data science environment Develop reproducible data science projects using Metaflow, Conda, and Docker Architect complex applications for multiple teams and large datasets Customize and grow data science infrastructure Effective Data Science Infrastructure: How to make data scientists more productive is a hands-on guide to assembling infrastructure for data science and machine learning applications. It reveals the processes used at Netflix and other data-driven companies

to manage their cutting edge data infrastructure. In it, you'll master scalable techniques for data storage, computation, experiment tracking, and orchestration that are relevant to companies of all shapes and sizes. You'll learn how you can make data scientists more productive with your existing cloud infrastructure, a stack of open source software, and idiomatic Python. The author is donating proceeds from this book to charities that support women and underrepresented groups in data science. About the technology Growing data science projects from prototype to production requires reliable infrastructure. Using the powerful new techniques and tooling in this book, you can stand up an infrastructure stack that will scale with any organization, from startups to the largest enterprises. About the book Effective Data Science Infrastructure teaches you to build data pipelines and project workflows that will supercharge data scientists and their projects. Based on state-of-the-art tools and concepts that power data operations of Netflix, this book introduces a customizable cloud-based approach to model development and MLOps that you can easily adapt to your company's specific needs. As you roll out these practical processes, your teams will produce better and faster results when applying data science and machine learning to a wide array of business problems. What's inside Handle compute and orchestration in the cloud Combine cloud-based tools into a cohesive data science environment Develop reproducible data science projects using Metaflow, AWS, and the Python data ecosystem Architect complex applications that require large datasets and models, and a team of data scientists About the reader For infrastructure engineers and engineering-minded data scientists who are familiar with Python. About the author At Netflix, Ville Tuulos designed and built Metaflow, a full-stack framework for data science. Currently, he is the CEO of a startup focusing on data science infrastructure. Table of Contents 1 Introducing data science infrastructure 2 The toolchain of data science 3 Introducing Metaflow 4 Scaling with the compute layer 5 Practicing scalability and performance 6 Going to production 7 Processing data 8 Using and operating models 9 Machine learning with the full stack This edited collection brings together a team of top industry experts to provide a comprehensive look at the entire media workflow from start to finish. The Media Workflow Puzzle gives readers an in-depth overview of the workflow process, from production to distribution to archiving. Pulling from the expertise of twenty contributing authors and editors, the book covers topics including content production, postproduction systems, media asset management, content distribution, and archiving and preservation, offering the reader an understanding of all the various elements and processes that go into the media workflow ecosystem. It concludes with an exploration of the possibilities for the future of media workflows and the new opportunities it may bring. Professionals and students alike looking to understand how to manage media content for its entire lifecycle will find this an invaluable resource. Song lyrics fly across the screen in time to music. A globe spins and zooms into a war-torn country. Money rises from a screen to explain an economic situation. Now, more than ever, we are surrounded by these motion graphics on our TV and cinema screens, on our smartphones, computers, and tablets, on Main Street and in our galleries. Motion Graphics: Principles and Processes from the Ground Up is your introduction to the core principles of the discipline, whether your background or ambitions lie in animation, graphic design, film production, or visual effects. Ian Crook and Peter Beare provide you with a wide understanding of the key concepts and techniques that will help you plan, develop and produce your own creative projects. Data manipulation and analysis are far easier than you might imagine—in fact, using tools that come standard with your desktop computer, you can learn how to extract, manipulate, and analyze data (and metadata) of any size and complexity. This book constitutes the refereed proceedings of the 15th International Conference on Fundamental Approaches to Software Engineering, FASE 2012, held in Tallinn, Estonia, in March/April 2012, as part of ETAPS 2012, the European Joint Conferences on Theory and Practice of Software. The 33 full papers presented together with one full length invited talk were carefully reviewed and selected from 134 submissions. The papers are organized in topical sections on software architecture and components, services, verification and monitoring, intermodelling and model transformations, modelling and adaptation, product lines and feature-oriented programming, development process, verification and synthesis, testing and maintenance, and slicing and refactoring. A beginner's guide to simplifying Extract, Transform, Load (ETL) processes with the help of hands-on tips, tricks, and best practices, in a fun and interactive way Key Features Explore data wrangling with the help of real-world examples and business use cases Study various ways to extract the most value from your data in minimal time Boost your knowledge with bonus topics,

such as random data generation and data integrity checks

Book Description While a huge amount of data is readily available to us, it is not useful in its raw form. For data to be meaningful, it must be curated and refined. If you're a beginner, then *The Data Wrangling Workshop* will help to break down the process for you. You'll start with the basics and build your knowledge, progressing from the core aspects behind data wrangling, to using the most popular tools and techniques. This book starts by showing you how to work with data structures using Python. Through examples and activities, you'll understand why you should stay away from traditional methods of data cleaning used in other languages and take advantage of the specialized pre-built routines in Python. Later, you'll learn how to use the same Python backend to extract and transform data from an array of sources, including the internet, large database vaults, and Excel financial tables. To help you prepare for more challenging scenarios, the book teaches you how to handle missing or incorrect data, and reformat it based on the requirements from your downstream analytics tool. By the end of this book, you will have developed a solid understanding of how to perform data wrangling with Python, and learned several techniques and best practices to extract, clean, transform, and format your data efficiently, from a diverse array of sources. What you will learn

Get to grips with the fundamentals of data wrangling Understand how to model data with random data generation and data integrity checks Discover how to examine data with descriptive statistics and plotting techniques Explore how to search and retrieve information with regular expressions Delve into commonly-used Python data science libraries Become well-versed with how to handle and compensate for missing data Who this book is for

The Data Wrangling Workshop is designed for developers, data analysts, and business analysts who are looking to pursue a career as a full-fledged data scientist or analytics expert. Although this book is for beginners who want to start data wrangling, prior working knowledge of the Python programming language is necessary to easily grasp the concepts covered here. It will also help to have a rudimentary knowledge of relational databases and SQL.

Writing for News Media is a down-to-earth guide on how to write news stories for online, print and broadcast audiences. It celebrates the craft of storytelling, arguing for its continued importance in a modern newsroom. With dynamism and humour, Ian Pickering, a journalist with 30 years' experience, offers readers practical advice on being a news journalist, with step-by-step guidance on creating a great story and writing the perfect news copy. Chapters include: extracts from published news articles to help illustrate the dos and don'ts of storytelling; the ten golden rules for structuring and putting together a successful news article, including 'Nail the intro', 'Let it flow' and 'Keep it simple'; instruction on writing stories for different specialist subjects, including politics, court cases, economics, funnies and celebrity; help for readers on how to write for broadcast news; tips on how to write headlines, how to use pictures, how to make the most of quotations and how to avoid common style and grammar mistakes; glossaries covering a range of different aspects of news journalism, including types of news story, online and data journalism, typesetting and broadcasting. This is an instructive and insightful manual which champions brilliant storytelling and writing with flair. It introduces a set of key creative and analytical techniques that will help students of journalism and young professionals hone and refine their story-writing skills.

Dreamweaver CS6 is the most capable website design and management program yet, but there's no printed guide to its amazing features. That's where *Dreamweaver CS6: The Missing Manual* comes in. You'll learn to use every facet of this versatile program, through jargon-free explanations and 13 hands-on tutorials. The important stuff you need to know: Get A to Z guidance. Go from building simple web pages to creating rich, interactive websites. Learn state-of-the-art design. Create dynamic, visually appealing sites using JavaScript and CSS, and see how HTML5 and CSS3 fit in. Add instant interactivity. Use Dreamweaver's unique Spry technology to easily add complex layout options, like drop-down menus. Use timesaving features. Take advantage of Dreamweaver's libraries, templates, and hundreds of extensions. Go mobile. Design sites for smartphones, tablets, and desktop PCs, using the same HTML. Simplify site management. Check for broken links, streamline site-wide changes, and reorganize your site in a snap. A guide to the Web design program covers such topics as text formatting, Cascading Style Sheets, links, images, tables, page layout, HTML, forms, and site management. A guide to building professional Web sites offers annotated tutorials covering layout, tables, Flash buttons, Cascading Style Sheets, forms, animation, pop-up windows, slide shows, and Web design basics.

Videographers can harness the potential that WM9 offers to deliver high-quality video and multimedia via DVD and over the Internet. Illustrated examples and

tutorials demonstrate the basic functionality of WM9 as well as the options available to advanced users who wish to design new applications with the software development kit. Professional videographers will find this book to be a practical way to learn how to set up players, encoders, and servers and how to capture and compress video so they can use WM9 with the applications they use every day, including Powerpoint, Premiere, After Effects, and Avid.

Data quality is one of the most important problems in data management, since dirty data often leads to inaccurate data analytics results and incorrect business decisions. Poor data across businesses and the U.S. government are reported to cost trillions of dollars a year. Multiple surveys show that dirty data is the most common barrier faced by data scientists. Not surprisingly, developing effective and efficient data cleaning solutions is challenging and is rife with deep theoretical and engineering problems. This book is about data cleaning, which is used to refer to all kinds of tasks and activities to detect and repair errors in the data. Rather than focus on a particular data cleaning task, we give an overview of the end-to-end data cleaning process, describing various error detection and repair methods, and attempt to anchor these proposals with multiple taxonomies and views. Specifically, we cover four of the most common and important data cleaning tasks, namely, outlier detection, data transformation, error repair (including imputing missing values), and data deduplication. Furthermore, due to the increasing popularity and applicability of machine learning techniques, we include a chapter that specifically explores how machine learning techniques are used for data cleaning, and how data cleaning is used to improve machine learning models. This book is intended to serve as a useful reference for researchers and practitioners who are interested in the area of data quality and data cleaning. It can also be used as a textbook for a graduate course. Although we aim at covering state-of-the-art algorithms and techniques, we recognize that data cleaning is still an active field of research and therefore provide future directions of research whenever appropriate.

Build real-world artificial intelligence apps on AWS to overcome challenges faced by healthcare providers and payers, as well as pharmaceutical, life sciences research, and commercial organizations

Key Features Learn about healthcare industry challenges and how machine learning can solve them Explore AWS machine learning services and their applications in healthcare and life sciences Discover practical coding instructions to implement machine learning for healthcare and life sciences

Book Description While machine learning is not new, it's only now that we are beginning to uncover its true potential in the healthcare and life sciences industry. The availability of real-world datasets and access to better compute resources have helped researchers invent applications that utilize known AI techniques in every segment of this industry, such as providers, payers, drug discovery, and genomics. This book starts by summarizing the introductory concepts of machine learning and AWS machine learning services. You'll then go through chapters dedicated to each segment of the healthcare and life sciences industry. Each of these chapters has three key purposes -- First, to introduce each segment of the industry, its challenges, and the applications of machine learning relevant to that segment. Second, to help you get to grips with the features of the services available in the AWS machine learning stack like Amazon SageMaker and Amazon Comprehend Medical. Third, to enable you to apply your new skills to create an ML-driven solution to solve problems particular to that segment. The concluding chapters outline future industry trends and applications. By the end of this book, you'll be aware of key challenges faced in applying AI to healthcare and life sciences industry and learn how to address those challenges with confidence. What you will learn

Explore the healthcare and life sciences industry Find out about the key applications of AI in different industry segments Apply AI to medical images, clinical notes, and patient data Discover security, privacy, fairness, and explainability best practices Explore the AWS ML stack and key AI services for the industry Develop practical ML skills using code and AWS services Discover all about industry regulatory requirements

Who this book is for This book is specifically tailored toward technology decision-makers, data scientists, machine learning engineers, and anyone who works in the data engineering role in healthcare and life sciences organizations. Whether you want to apply machine learning to overcome common challenges in the healthcare and life science industry or are looking to understand the broader industry AI trends and landscape, this book is for you. This book is filled with hands-on examples for you to try as you learn about new AWS AI concepts. The perfect how-to guide for visual learners

Apple's Mac Mini packs a powerful punch in a small package, including both HDMI and Thunderbolt ports plus the acclaimed OS X. But if you want to get the very most from all this power and

versatility, be sure to get this practical visual guide. With full-color, step-by-step instructions as well as screenshots and illustrations on every page, it clearly shows you how to accomplish tasks rather than burying you in pages of text. Discover helpful visuals and how-tos on the OS, hardware specs, Launchpad, the App Store, multimedia capabilities (such as connecting your Mac Mini to your HDTV and using it as a media center) and more. Helps Mac Mini users get up to speed quickly on the latest and best features, including the major features of the OS X operating system and the new Thunderbolt and HDMI ports Teaches practical techniques using easy-to-follow, step-by-step visuals and brief explanations Features full-color screen shots on every page Covers OS and hardware basics as well as the Launchpad, the App Store, media center capabilities, maintenance, and troubleshooting Helps you surf the web with Safari, organize movies and music in iTunes, take advantage of home theater capabilities, and configure your system for optimum use. Teach Yourself VISUALLY Mac Mini helps you get big results out of your Mac Mini. How do you take your data analysis skills beyond Excel to the next level? By learning just enough Python to get stuff done. This hands-on guide shows non-programmers like you how to process information that's initially too messy or difficult to access. You don't need to know a thing about the Python programming language to get started. Through various step-by-step exercises, you'll learn how to acquire, clean, analyze, and present data efficiently. You'll also discover how to automate your data process, schedule file-editing and clean-up tasks, process larger datasets, and create compelling stories with data you obtain. Quickly learn basic Python syntax, data types, and language concepts Work with both machine-readable and human-consumable data Scrape websites and APIs to find a bounty of useful information Clean and format data to eliminate duplicates and errors in your datasets Learn when to standardize data and when to test and script data cleanup Explore and analyze your datasets with new Python libraries and techniques Use Python solutions to automate your entire data-wrangling process Welcome back to Wrangler's Corner! Available in a box set, the final three stories in the acclaimed series from USA Today bestselling author Lynette Eason. Discover stories filled with suspense and romance as danger returns to Wrangler's Corner. Christmas Ranch Rescue by Lynette Eason & Lauryn Eason When his former crush is suspected of funneling drugs through her ranch, DEA agent Nathan William must find out if Becca Price is guilty. But when Becca is attacked, protecting her becomes Nathan's top priority. Together, can they prove her innocence...while keeping her alive from fatal threats? Vanished in the Night by Lynette Eason After saving Kaylee Martin from abduction and delivering her baby boy on the side of the road, Dr. Joshua Crawford feels responsible for them. With a violent stalker dogging their every step, can Joshua protect the family he's come to love—before it's too late? Holiday Amnesia by Lynette Eason Microbiologist Robin Hardy survived an explosion in her university lab—but now her memories are gone. To keep safe from unknown assailants on her trail, she'll trust former CIA operative Toby Potter to hide her away. And the key to survival lies within her lost memories... Look for the complete Wrangler's Corner series by Lynette Eason! From Love Inspired Suspense: Courage. Danger. Faith. Defines and describes over 7,000 visual effects terminology and techniques in a guide for both novice and professional filmmakers. Utilize this practical and easy-to-follow guide to modernize traditional enterprise data warehouse and business intelligence environments with next-generation big data technologies. Next-Generation Big Data takes a holistic approach, covering the most important aspects of modern enterprise big data. The book covers not only the main technology stack but also the next-generation tools and applications used for big data warehousing, data warehouse optimization, real-time and batch data ingestion and processing, real-time data visualization, big data governance, data wrangling, big data cloud deployments, and distributed in-memory big data computing. Finally, the book has an extensive and detailed coverage of big data case studies from Navistar, Cerner, British Telecom, Shopzilla, Thomson Reuters, and Mastercard. What You'll Learn Install Apache Kudu, Impala, and Spark to modernize enterprise data warehouse and business intelligence environments, complete with real-world, easy-to-follow examples, and practical advice Integrate HBase, Solr, Oracle, SQL Server, MySQL, Flume, Kafka, HDFS, and Amazon S3 with Apache Kudu, Impala, and Spark Use StreamSets, Talend, Pentaho, and CDAP for real-time and batch data ingestion and processing Utilize Trifacta, Alteryx, and Datameer for data wrangling and interactive data processing Turbocharge Spark with Alluxio, a distributed in-memory storage platform Deploy big data in the cloud using Cloudera Director Perform real-time data visualization and time series analysis using Zoomdata, Apache Kudu, Impala, and

Spark Understand enterprise big data topics such as big data governance, metadata management, data lineage, impact analysis, and policy enforcement, and how to use Cloudera Navigator to perform common data governance tasks Implement big data use cases such as big data warehousing, data warehouse optimization, Internet of Things, real-time data ingestion and analytics, complex event processing, and scalable predictive modeling Study real-world big data case studies from innovative companies, including Navistar, Cerner, British Telecom, Shopzilla, Thomson Reuters, and Mastercard Who This Book Is For BI and big data warehouse professionals interested in gaining practical and real-world insight into next-generation big data processing and analytics using Apache Kudu, Impala, and Spark; and those who want to learn more about other advanced enterprise topics This book constitutes the refereed proceedings of the 10th International Conference on Integrated Formal Methods, IFM 2013, held in Turku, Finland, in June 2013. The 25 revised full papers presented together with 4 invited papers were carefully reviewed and selected from 84 full paper submissions. The papers cover the spectrum of integrated formal methods, focusing on refinement, integration, translation, verification, reachability and model checking, usability and testing, distributed systems, semantics, and system-level analysis. Adobe InDesign is a full-fledged, sophisticated program, tightly integrated with the other Adobe industry leading graphics and Web programs in the Creative Suite. It's the essential tool for anyone doing page layout and design. Real World Adobe InDesign CS4 offers industrial-strength and time-saving techniques for design professionals who need to start laying out, proofing, and printing pages with InDesign CS4, without missing a beat (or a deadline!) in their fast-paced production cycles. Design pros will find everything they need here to successfully master InDesign's advanced page layout tools, manage color, snippets, and use the program more efficiently. They'll also find complete coverage of essential features in InDesign CS4, including: live preflight, customizable Links panel, conditional text, cross references, interactive document capability with the new SWF file, animated page transitions, export to Flash CS4 functionality, Smart Guides and Smart Spacing, spread rotation, and smart text reflow. Work seamlessly with production-ready machine learning systems and pipelines on AWS by addressing key pain points encountered in the ML life cycle Key FeaturesGain practical knowledge of managing ML workloads on AWS using Amazon SageMaker, Amazon EKS, and moreUse container and serverless services to solve a variety of ML engineering requirementsDesign, build, and secure automated MLOps pipelines and workflows on AWSBook Description There is a growing need for professionals with experience in working on machine learning (ML) engineering requirements as well as those with knowledge of automating complex MLOps pipelines in the cloud. This book explores a variety of AWS services, such as Amazon Elastic Kubernetes Service, AWS Glue, AWS Lambda, Amazon Redshift, and AWS Lake Formation, which ML practitioners can leverage to meet various data engineering and ML engineering requirements in production. This machine learning book covers the essential concepts as well as step-by-step instructions that are designed to help you get a solid understanding of how to manage and secure ML workloads in the cloud. As you progress through the chapters, you'll discover how to use several container and serverless solutions when training and deploying TensorFlow and PyTorch deep learning models on AWS. You'll also delve into proven cost optimization techniques as well as data privacy and model privacy preservation strategies in detail as you explore best practices when using each AWS. By the end of this AWS book, you'll be able to build, scale, and secure your own ML systems and pipelines, which will give you the experience and confidence needed to architect custom solutions using a variety of AWS services for ML engineering requirements. What you will learnFind out how to train and deploy TensorFlow and PyTorch models on AWSUse containers and serverless services for ML engineering requirementsDiscover how to set up a serverless data warehouse and data lake on AWSBuild automated end-to-end MLOps pipelines using a variety of servicesUse AWS Glue DataBrew and SageMaker Data Wrangler for data engineeringExplore different solutions for deploying deep learning models on AWSApply cost optimization techniques to ML environments and systemsPreserve data privacy and model privacy using a variety of techniquesWho this book is for This book is for machine learning engineers, data scientists, and AWS cloud engineers interested in working on production data engineering, machine learning engineering, and MLOps requirements using a variety of AWS services such as Amazon EC2, Amazon Elastic Kubernetes Service (EKS), Amazon SageMaker, AWS Glue, Amazon Redshift, AWS Lake Formation, and AWS Lambda -- all you need is an AWS account to get started. Prior knowledge of

AWS, machine learning, and the Python programming language will help you to grasp the concepts covered in this book more effectively. The missing expert-led manual for the AWS ecosystem — go from foundations to building data engineering pipelines effortlessly Purchase of the print or Kindle book includes a free eBook in the PDF format. Key Features Learn about common data architectures and modern approaches to generating value from big data Explore AWS tools for ingesting, transforming, and consuming data, and for orchestrating pipelines Learn how to architect and implement data lakes and data lakehouses for big data analytics from a data lakes expert Book Description Written by a Senior Data Architect with over twenty-five years of experience in the business, Data Engineering for AWS is a book whose sole aim is to make you proficient in using the AWS ecosystem. Using a thorough and hands-on approach to data, this book will give aspiring and new data engineers a solid theoretical and practical foundation to succeed with AWS. As you progress, you'll be taken through the services and the skills you need to architect and implement data pipelines on AWS. You'll begin by reviewing important data engineering concepts and some of the core AWS services that form a part of the data engineer's toolkit. You'll then architect a data pipeline, review raw data sources, transform the data, and learn how the transformed data is used by various data consumers. You'll also learn about populating data marts and data warehouses along with how a data lakehouse fits into the picture. Later, you'll be introduced to AWS tools for analyzing data, including those for ad-hoc SQL queries and creating visualizations. In the final chapters, you'll understand how the power of machine learning and artificial intelligence can be used to draw new insights from data. By the end of this AWS book, you'll be able to carry out data engineering tasks and implement a data pipeline on AWS independently. What you will learn Understand data engineering concepts and emerging technologies Ingest streaming data with Amazon Kinesis Data Firehose Optimize, denormalize, and join datasets with AWS Glue Studio Use Amazon S3 events to trigger a Lambda process to transform a file Run complex SQL queries on data lake data using Amazon Athena Load data into a Redshift data warehouse and run queries Create a visualization of your data using Amazon QuickSight Extract sentiment data from a dataset using Amazon Comprehend Who this book is for This book is for data engineers, data analysts, and data architects who are new to AWS and looking to extend their skills to the AWS cloud. Anyone new to data engineering who wants to learn about the foundational concepts while gaining practical experience with common data engineering services on AWS will also find this book useful. A basic understanding of big data-related topics and Python coding will help you get the most out of this book but it's not a prerequisite. Familiarity with the AWS console and core services will also help you follow along. What is bad data? Some people consider it a technical phenomenon, like missing values or malformed records, but bad data includes a lot more. In this handbook, data expert Q. Ethan McCallum has gathered 19 colleagues from every corner of the data arena to reveal how they've recovered from nasty data problems. From cranky storage to poor representation to misguided policy, there are many paths to bad data. Bottom line? Bad data is data that gets in the way. This book explains effective ways to get around it. Among the many topics covered, you'll discover how to: Test drive your data to see if it's ready for analysis Work spreadsheet data into a usable form Handle encoding problems that lurk in text data Develop a successful web-scraping effort Use NLP tools to reveal the real sentiment of online reviews Address cloud computing issues that can impact your analysis effort Avoid policies that create data analysis roadblocks Take a systematic approach to data quality analysis There are awesome discoveries to be made and valuable stories to be told in datasets--and this book will help you uncover them. Whether you already work with data or just want to understand its possibilities, the techniques and advice in this practical book will help you learn how to better clean, evaluate, and analyze data to generate meaningful insights and compelling visualizations. Through foundational concepts and worked examples, author Susan McGregor provides the concepts and tools you need to evaluate and analyze all kinds of data and communicate your findings effectively. This book provides a methodical, jargon-free way for practitioners of all levels to harness the power of data. Use Python 3.8+ to read, write, and transform data from a variety of sources Understand and use programming basics in Python to wrangle data at scale Organize, document, and structure your code using best practices Complete exercises either on your own machine or on the web Collect data from structured data files, web pages, and APIs Perform basic statistical analysis to make meaning from data sets Visualize and present data in clear and compelling ways. Develop your creative voice while acquiring the practical skills and confidence to use it with this new

and fully updated edition of Mick Hurbis-Cherrier's filmmaking bible, Voice & Vision. Written for independent filmmakers and film students who want a solid grounding in the tools, techniques, and processes of narrative film, this comprehensive manual covers all of the essentials while keeping artistic vision front and center. Hurbis-Cherrier walks the reader through every step of the process—from the transformation of an idea into a cinematic story, to the intricacies of promotion and distribution—and every detail in between. Features of this book include: Comprehensive technical information on video production and postproduction tools, allowing filmmakers to express themselves with any camera, in any format, and on any budget An emphasis on the collaborative filmmaking process, including the responsibilities and creative contributions of every principal member of the crew and cast A focus on learning to work successfully with available resources (time, equipment, budget, personnel, etc.) in order to turn limitations into opportunities Updated digital filmmaking workflow breakdowns for Rec. 709 HD, Log Format, and D-Cinema productions Substantial coverage of the sound tools and techniques used in film production and the creative impact of postproduction sound design An extensive discussion of digital cinematography fundamentals, including essential lighting and exposure control tools, common gamma profiles, the use of LUTs, and the role of color grading Abundant examples referencing contemporary and classic films from around the world Indispensable information on production safety, team etiquette, and set procedures. The third edition also features a robust companion website that includes eight award-winning example short films; interactive and high-resolution figures; downloadable raw footage; production forms and logs for preproduction, production, and postproduction; video examples that illustrate key concepts found within the book, and more. Whether you are using it in the classroom or are looking for a comprehensive reference to learn everything you need to know about the filmmaking process, Voice & Vision delivers all of the details in an accessible and reader-friendly format. Learning goes live! e-Course is a series of software products that are designed to teach you an application by working in the live application. Comprehensive directory of databases as well as services "involved in the production and distribution of information in electronic form." There is a detailed subject index and function/service classification as well as name, keyword, and geographical location indexes. It's a whole new world for cinematographers, camera assistants, and postproduction artists. New equipment, new methods, and new technologies have to be learned and mastered. New roles such as that of the DIT (Digital Imaging Technician), Digital Loader, and Data Manager are integral to today's motion picture production process. Take your mastery of these new tools, techniques, and roles to the next level with this cutting-edge roadmap from esteemed author and filmmaker Blain Brown. The Filmmaker's Guide to Digital Imaging covers both the theory and the practice, featuring full-color, in-depth coverage of essential terminology, technology, and industry-standard best-practices. Brown covers new industry-wide production standards such as ASC-CDL and the ACES workflow. Interviews with professional cinematographers and DITs working on Hollywood productions equip you with knowledge that is essential if you want to work in today's motion picture industry, whether as a cinematographer, DIT, Digital Loader, Data Manager, camera assistant, editor, or VFX artist. Topics include: Digital sensors and cameras The structure of digital images Waveform monitors, vectorscopes, and test charts Using linear, gamma, and log encoded video files Exposure techniques for HD and UltraHD Understanding digital color Codecs and file formats The DIT cart Downloading, ingesting, and managing video files Workflow from camera to DIT cart to post Using metadata and timecode The companion website (www.focalpress.com/cw/brown) features additional material, including demonstrations and interviews with experienced DITs and cinematographers. Xcode is a powerful suite of free development tools from Apple Computer that will allow you to create Macintosh applications, plug-ins, web components, applets, and more using languages such as C, C++, Objective-C, Java, and AppleScript. What you will learn from this book: Control window layout to match your development style. Master source file organization. How to access a source control management system, right in the Xcode interface. How to quickly navigate to files, symbols, bookmarks, declarations, and definitions within your project; find reference documents and instantly access API documentation. Harness Xcode's smart editing features, such as auto-indent, code completion, and text macros. Discover how easy it is to browse class information and create dynamic class diagrams. Get started using Xcode's Interface Builder and Data Modeling design tools. Learn to customize target build phases, add your own compilers, write your own build processes, and integrate Xcode with

other build tools like Ant and gnumake. How to create and integrate unit tests into your projects. Harness the full power of the debugger with smart breakpoints and custom data formatters. Learn how to change variables, and even fix bugs, while your program is still running. Start using Xcode's suite of performance analysis tools to find problems and accelerate your code. Customize scores of hidden, and often undocumented, Xcode features. Learn how to remap keyboard commands, create your own project and file templates, and even add your own commands to the Xcode menus. Instead of "cookbook" projects specific to a particular language, developer James Bucanek details each Xcode feature with step-by-step instructions that can be applied directly to your projects. Example projects that demonstrate a single concept make it easy to explore each feature. Get on the right side of your Law School Admission Test It's an unbreakable rule that to get into the majority of law schools or practice state law anywhere in the U.S., you must pass the dreaded LSAT. Designed to be the most objective measure of student ability available—unlike a much more subjective GPA—it's the ultimate standardized test. This makes it relatively straightforward to prep for, and prep you must! This revised and totally updated new edition of LSAT For Dummies has everything you need to get ready to take - and take down - the LSAT. With it, you'll make an irrefutable case why you should be admitted to the school of your dreams. In a friendly, logical style, expert authors Scott and Lisa Hatch—who have coached thousands of students for LSAT success—cover the core concepts, smart strategies, and mental approaches you need to succeed. You'll also find plenty of opportunities to apply your enhanced argumentative muscle, analytical reasoning, and essay-writing and reading comprehension skills in full-length practice tests—all recalibrated in this new edition to account for the new computer-based exam format. Take 3 full-length practice tests (one online) plus additional practice questions Consolidate your knowledge in content review sections Compare your answers to sample answers and explanations Get 1-year access to an online test-bank for further practice With up to forty percent of students failing the LSAT each year, you need a solid study plan to conquer it. This book - with companion practice tests online - has you covered. Fuses design fundamentals and software training into one cohesive book! The only book to teach Bauhaus design principles alongside basic digital tools of Adobe's Creative Suite, including the recently released Adobe CS4 Addresses the growing trend of compressing design fundamentals and design software into the same course in universities and design trade schools. Lessons are timed to be used in 50-minute class sessions. Digital Foundations uses formal exercises of the Bauhaus to teach the Adobe Creative Suite. All students of digital design and production—whether learning in a classroom or on their own—need to understand the basic principles of design in order to implement them using current software. Far too often design is left out of books that teach software. Consequently, the design software training exercise is often a lost opportunity for visual learning. Digital Foundations reinvigorates software training by integrating Bauhaus design exercises into tutorials fusing design fundamentals and core Adobe Creative Suite methodologies. The result is a cohesive learning experience. Design topics and principles include: Composition; Symmetry and Asymmetry; Gestalt; Appropriation; The Bauhaus Basic Course Approach; Color Theory; The Grid; Scale, Hierarchy and Collage; Tonal Range; Elements of Motion. Digital Foundations is an AIGA Design Press book, published under Peachpit's New Riders imprint in partnership with AIGA, the professional association for design. Get up and running with serverless workloads across AWS, Azure, GCP, Kubernetes, and virtual machines with real-life examples and best practices for design, development, and security of serverless applications Purchase of the print or Kindle book includes a free PDF eBook Key Features Learn with DIY projects and step-by-step instructions for different serverless technologies and vendors Explore detailed sections on running serverless workloads across Kubernetes and virtual machines Discover Cloudflare Serverless Solutions to modernize your web applications Book Description Serverless computing has emerged as a mainstream paradigm in both cloud and on-premises computing, with AWS Lambda playing a pivotal role in shaping the Function-as-a-Service (FaaS) landscape. However, with the explosion of serverless technologies and vendors, it has become increasingly challenging to comprehend the foundational services and their offerings. Architecting Cloud Native Serverless Solutions lays a strong foundation for understanding the serverless landscape and technologies in a vendor-agnostic manner. You'll learn how to select the appropriate cloud vendors and technologies based on your specific needs. In addition, you'll dive deep into the serverless services across AWS, GCP, Azure, and Cloudflare followed by open source serverless tools such as Knative, OpenFaaS, and

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OpenWhisk, along with examples. You'll explore serverless solutions on Kubernetes that can be deployed on both cloud-hosted clusters and on-premises environments, with real-world use cases. Furthermore, you'll explore development frameworks, DevOps approaches, best practices, security considerations, and design principles associated with serverless computing. By the end of this serverless book, you'll be well equipped to solve your business problems by using the appropriate serverless vendors and technologies to build efficient and cost-effective serverless systems independently. What you will learn Understand the serverless landscape and its potential Build serverless solutions across AWS, Azure, and GCP Develop and run serverless applications on Kubernetes Implement open source FaaS with Knative, OpenFaaS, and OpenWhisk Modernize web architecture with Cloudflare Serverless Discover popular serverless frameworks and DevOps for serverless Explore software design and serverless architecture patterns Acquire an understanding of serverless development and security best practices Who this book is for This book is for DevOps, platform, cloud, site reliability engineers, or application developers looking to build serverless solutions. It's a valuable reference for solution architects trying to modernize a legacy application or working on a greenfield project. It's also helpful for anyone trying to solve business or operational problems without wanting to manage complicated technology infrastructure using serverless technologies. A basic understanding of cloud computing and some familiarity with at least one cloud vendor, Python programming language, and working with CLI will be helpful when reading this book.

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