

Predictive Analytics With Microsoft Azure Machine Learning

Mastering Azure Machine Learning Azure Machine Learning Engineering Microsoft Azure Essentials Azure Machine Learning Mastering Azure Machine Learning Exam Ref 70-774 Perform Cloud Data Science with Azure Machine Learning Microsoft Azure Machine Learning Predictive Analytics with Microsoft Azure Machine Learning 2nd Edition Automated Machine Learning with Microsoft Azure Predictive Analytics with Microsoft Azure Machine Learning Microsoft Azure Practical Automated Machine Learning on Azure Hands-On Machine Learning with Azure Deep Learning with Azure Microsoft Azure AI: A Beginner's Guide Azure Internet of Things Revealed Machine Learning with Microsoft Technologies Microsoft Azure Machine Learning(2nd) Azure Data Scientist Associate Certification Guide Exam Ref AI-900 Microsoft Azure AI Fundamentals Microsoft Azure AI Fundamentals AI-900 Exam Guide Christoph Körner Dennis Sawyers Jeff Barnes Christoph Körner Ginger Grant Sumit Mund Valentine Fontama Dennis Sawyers Valentine Fontama Marshall Copeland Deepak Mukunthu Thomas K Abraham Mathew Salvaris Rekha Kodali Robert Stackowiak Leila Etaati 安德烈·博西卡斯 Julian Sharp Aaron Guilmette Mastering Azure Machine Learning Azure Machine Learning Engineering Microsoft Azure Essentials Azure Machine Learning Mastering Azure Machine Learning Exam Ref 70-774 Perform Cloud Data Science with Azure Machine Learning Microsoft Azure Machine Learning Predictive Analytics with Microsoft Azure Machine Learning 2nd Edition Automated Machine Learning with Microsoft Azure Predictive Analytics with Microsoft Azure Machine Learning Microsoft Azure Practical Automated Machine Learning on Azure Hands-On Machine Learning with Azure Deep Learning with Azure Microsoft Azure AI: A Beginner's Guide Azure Internet of Things Revealed Machine Learning with Microsoft Technologies Microsoft Azure Machine Learning(2nd) Azure Data Scientist Associate Certification Guide Exam Ref AI-900 Microsoft Azure AI Fundamentals Microsoft Azure AI

Fundamentals AI-900 Exam Guide *Christoph Körner Dennis Sawyers Jeff Barnes Christoph Körner Ginger Grant Sumit Mund Valentine Fontama Dennis Sawyers Valentine Fontama Marshall Copeland Deepak Mukunthu Thomas K Abraham Mathew Salvaris Rekha Kodali Robert Stackowiak Leila Etaati ~~XXXXX~~ Andreas Botsikas Julian Sharp Aaron Guilmette*

master expert techniques for building automated and highly scalable end to end machine learning models and pipelines in azure using tensorflow spark and kubernetes key features make sense of data on the cloud by implementing advanced analytics train and optimize advanced deep learning models efficiently on spark using azure databricks deploy machine learning models for batch and real time scoring with azure kubernetes service aks book descriptionthe increase being seen in data volume today requires distributed systems powerful algorithms and scalable cloud infrastructure to compute insights and train and deploy machine learning ml models this book will help you improve your knowledge of building ml models using azure and end to end ml pipelines on the cloud the book starts with an overview of an end to end ml project and a guide on how to choose the right azure service for different ml tasks it then focuses on azure machine learning and takes you through the process of data experimentation data preparation and feature engineering using azure machine learning and python you ll learn advanced feature extraction techniques using natural language processing nlp classical ml techniques and the secrets of both a great recommendation engine and a performant computer vision model using deep learning methods you ll also explore how to train optimize and tune models using azure automated machine learning and hyperdrive and perform distributed training on azure then you ll learn different deployment and monitoring techniques using azure kubernetes services with azure machine learning along with the basics of ml ops devops for ml to automate your ml process as ci cd pipeline by the end of this book you ll have mastered azure machine learning and be able to confidently design build and operate scalable ml pipelines in azure what you will learn setup your azure machine learning workspace for data experimentation and visualization perform etl data preparation and feature extraction using azure best practices implement advanced feature extraction using nlp and word embeddings train gradient boosted tree ensembles recommendation engines and deep neural networks on azure machine learning use

hyperparameter tuning and azure automated machine learning to optimize your ml models employ distributed ml on gpu clusters using horovod in azure machine learning deploy operate and manage your ml models at scale automated your end to end ml process as ci cd pipelines for mlops who this book is for this machine learning book is for data professionals data analysts data engineers data scientists or machine learning developers who want to master scalable cloud based machine learning architectures in azure this book will help you use advanced azure services to build intelligent machine learning applications a basic understanding of python and working knowledge of machine learning are mandatory

fully build and productionize end to end machine learning solutions using azure machine learning service key features automate complete machine learning solutions using microsoft azure understand how to productionize machine learning models get to grips with monitoring mlops deep learning distributed training and reinforcement learning book description data scientists working on productionizing machine learning ml workloads face a breadth of challenges at every step owing to the countless factors involved in getting ml models deployed and running this book offers solutions to common issues detailed explanations of essential concepts and step by step instructions to productionize ml workloads using the azure machine learning service you ll see how data scientists and ml engineers working with microsoft azure can train and deploy ml models at scale by putting their knowledge to work with this practical guide throughout the book you ll learn how to train register and productionize ml models by making use of the power of the azure machine learning service you ll get to grips with scoring models in real time and batch explaining models to earn business trust mitigating model bias and developing solutions using an mlops framework by the end of this azure machine learning book you ll be ready to build and deploy end to end ml solutions into a production system using the azure machine learning service for real time scenarios what you will learn train ml models in the azure machine learning service build end to end ml pipelines host ml models on real time scoring endpoints mitigate bias in ml models get the hang of using an mlops framework to productionize models simplify ml model explainability using the azure machine learning service and azure interpret who this book is for machine learning

engineers and data scientists who want to move to ml engineering roles will find this amls book useful familiarity with the azure ecosystem will assist with understanding the concepts covered

microsoft azure essentials from microsoft press is a series of free ebooks designed to help you advance your technical skills with microsoft azure this third ebook in the series introduces microsoft azure machine learning a service that a developer can use to build predictive analytics models using training datasets from a variety of data sources and then easily deploy those models for consumption as cloud web services the ebook presents an overview of modern data science theory and principles the associated workflow and then covers some of the more common machine learning algorithms in use today it builds a variety of predictive analytics models using real world data evaluates several different machine learning algorithms and modeling strategies and then deploys the finished models as machine learning web services on azure within a matter of minutes the ebook also expands on a working azure machine learning predictive model example to explore the types of client and server applications you can create to consume azure machine learning web services watch microsoft press s blog and twitter microsoftpress to learn about other free ebooks in the microsoft azure essentials series

supercharge and automate your deployments to azure machine learning clusters and azure kubernetes service using azure machine learning services key features implement end to end machine learning pipelines on azure train deep learning models using azure compute infrastructure deploy machine learning models using mlops book description azure machine learning is a cloud service for accelerating and managing the machine learning ml project life cycle that ml professionals data scientists and engineers can use in their day to day workflows this book covers the end to end ml process using microsoft azure machine learning including data preparation performing and logging ml training runs designing training and deployment pipelines and managing these pipelines via mlops the first section shows you how to set up an azure machine learning workspace ingest and version datasets as well as preprocess label and enrich these datasets for training in the next two sections you ll discover how to enrich and train ml models for embedding classification and regression you ll explore advanced nlp techniques traditional ml models

such as boosted trees modern deep neural networks recommendation systems reinforcement learning and complex distributed ml training techniques all using azure machine learning the last section will teach you how to deploy the trained models as a batch pipeline or real time scoring service using docker azure machine learning clusters azure kubernetes services and alternative deployment targets by the end of this book you ll be able to combine all the steps you ve learned by building an mlops pipeline what you will learn understand the end to end ml pipeline get to grips with the azure machine learning workspace ingest analyze and preprocess datasets for ml using the azure cloud train traditional and modern ml techniques efficiently using azure ml deploy ml models for batch and real time scoring understand model interoperability with onnx deploy ml models to fpgas and azure iot edge build an automated mlops pipeline using azure devops who this book is for this book is for machine learning engineers data scientists and machine learning developers who want to use the microsoft azure cloud to manage their datasets and machine learning experiments and build an enterprise grade ml architecture using mlops this book will also help anyone interested in machine learning to explore important steps of the ml process and use azure machine learning to support them along with building powerful ml cloud applications a basic understanding of python and knowledge of machine learning are recommended

prepare for microsoft exam 70 774 and help demonstrate your real world mastery of performing key data science activities with azure machine learning services designed for experienced it professionals ready to advance their status exam ref focuses on the critical thinking and decision making acumen needed for success at the mcsa level focus on the expertise measured by these objectives prepare data for analysis in azure machine learning and export from azure machine learning develop machine learning models operationalize and manage azure machine learning services use other services for machine learning this microsoft exam ref organizes its coverage by exam objectives features strategic what if scenarios to challenge you assumes you are familiar with azure data services machine learning concepts and common data science processes about the exam exam 70 774 focuses on skills and knowledge needed to prepare data for analysis with azure machine learning find key variables describing your data s behavior develop models

and identify optimal algorithms train validate deploy manage and consume azure machine learning models and leverage related services and apis about microsoft certification passing this exam as well as exam 70 773 analyzing big data with microsoft r earns your mcsa machine learning certification demonstrating your expertise in operationalizing microsoft azure machine learning and big data with r server and sql r services see full details at microsoft com learning

the book is intended for those who want to learn how to use azure machine learning perhaps you already know a bit about machine learning but have never used ml studio in azure or perhaps you are an absolute newbie in either case this book will get you up and running quickly

predictive analytics with microsoft azure machine learning second edition is a practical tutorial introduction to the field of data science and machine learning with a focus on building and deploying predictive models the book provides a thorough overview of the microsoft azure machine learning service released for general availability on february 18th 2015 with practical guidance for building recommenders propensity models and churn and predictive maintenance models the authors use task oriented descriptions and concrete end to end examples to ensure that the reader can immediately begin using this new service the book describes all aspects of the service from data ingress to applying machine learning evaluating the models and deploying them as web services learn how you can quickly build and deploy sophisticated predictive models with the new azure machine learning from microsoft what s new in the second edition five new chapters have been added with practical detailed coverage of python integration a new feature announced february 2015 data preparation and feature selection data visualization with power bi recommendation engines selling your models on azure marketplace

a practical step by step guide to using microsoft s automl technology on the azure machine learning service for developers and data scientists working with the python programming language key features create deploy productionalize and scale automated machine learning solutions on microsoft azure improve the accuracy of your ml models through automatic data featurization and model training increase productivity in your

organization by using artificial intelligence to solve common problems book description automated machine learning with microsoft azure will teach you how to build high performing accurate machine learning models in record time it will equip you with the knowledge and skills to easily harness the power of artificial intelligence and increase the productivity and profitability of your business guided user interfaces guis enable both novices and seasoned data scientists to easily train and deploy machine learning solutions to production using a careful step by step approach this book will teach you how to use azure automl with a gui as well as the azureml python software development kit sdk first you ll learn how to prepare data train models and register them to your azure machine learning workspace you ll then discover how to take those models and use them to create both automated batch solutions using machine learning pipelines and real time scoring solutions using azure kubernetes service aks finally you will be able to use automl on your own data to not only train regression classification and forecasting models but also use them to solve a wide variety of business problems by the end of this azure book you ll be able to show your business partners exactly how your ml models are making predictions through automatically generated charts and graphs earning their trust and respect what you will learn understand how to train classification regression and forecasting ml algorithms with azure automl prepare data for azure automl to ensure smooth model training and deployment adjust automl configuration settings to make your models as accurate as possible determine when to use a batch scoring solution versus a real time scoring solution productionalize your automl and discover how to quickly deliver value create real time scoring solutions with automl and azure kubernetes service train a large number of automl models at once using the azureml python sdk who this book is for data scientists aspiring data scientists machine learning engineers or anyone interested in applying artificial intelligence or machine learning in their business will find this machine learning book useful you need to have beginner level knowledge of artificial intelligence and a technical background in computer science statistics or information technology before getting started familiarity with python will help you implement the more advanced features found in the chapters but even data analysts and sql experts will be able to train ml models after finishing this book

data science and machine learning are in high demand as customers are increasingly looking for ways to glean insights from all their data more customers now realize that business intelligence is not enough as the volume speed and complexity of data now defy traditional analytics tools while business intelligence addresses descriptive and diagnostic analysis data science unlocks new opportunities through predictive and prescriptive analysis the purpose of this book is to provide a gentle and instructionally organized introduction to the field of data science and machine learning with a focus on building and deploying predictive models the book also provides a thorough overview of the microsoft azure machine learning service using task oriented descriptions and concrete end to end examples sufficient to ensure the reader can immediately begin using this important new service it describes all aspects of the service from data ingress to applying machine learning and evaluating the resulting model to deploying the resulting model as a machine learning web service finally this book attempts to have minimal dependencies so that you can fairly easily pick and choose chapters to read when dependencies do exist they are listed at the start and end of the chapter the simplicity of this new service from microsoft will help to take data science and machine learning to a much broader audience than existing products in this space learn how you can quickly build and deploy sophisticated predictive models as machine learning web services with the new azure machine learning service from microsoft

written for it and business professionals this book provides the technical and business insight needed to plan deploy and manage the services provided by the microsoft azure cloud find out how to integrate the infrastructure as a service iaas and platform as a service paas models with your existing business infrastructure while maximizing availability ensuring continuity and safety of your data and keeping costs to a minimum the book starts with an introduction to microsoft azure and how it differs from office 365 microsoft s other cloud you ll also get a useful overview of the services available part ii then takes you through setting up your azure account and gets you up and running on some of the core azure services including creating web sites and virtual machines and choosing between fully cloud based and hybrid storage solutions depending on your needs part iii now takes an in depth look at how to integrate azure with your existing

infrastructure the authors anthony puca mike manning brent rush marshall copeland and julian soh bring their depth of experience in cloud technology and customer support to guide you through the whole process through each layer of your infrastructure from networking to operations high availability and disaster recovery are the topics on everyone's minds when considering a move to the cloud and this book provides key insights and step by step guidance to help you set up and manage your resources correctly to optimize for these scenarios you'll also get expert advice on migrating your existing vms to azure using inimage mail in and the best 3rd party tools available helping you ensure continuity of service with minimum disruption to the business in the book's final chapters you'll find cutting edge examples of cloud technology in action from machine learning to business intelligence for a taste of some exciting ways your business could benefit from your new microsoft azure deployment

develop smart applications without spending days and weeks building machine learning models with this practical book you'll learn how to apply automated machine learning automl a process that uses machine learning to help people build machine learning models deepak mukunthu parashar shah and wee hyong tok provide a mix of technical depth hands on examples and case studies that show how customers are solving real world problems with this technology building machine learning models is an iterative and time consuming process even those who know how to create ml models may be limited in how much they can explore once you complete this book you'll understand how to apply automl to your data right away learn how companies in different industries are benefiting from automl get started with automl using azure explore aspects such as algorithm selection auto featurization and hyperparameter tuning understand how data analysts bi professions developers can use automl in their familiar tools and experiences learn how to get started using automl for use cases including classification regression and forecasting

implement machine learning cognitive services and artificial intelligence solutions by leveraging azure cloud technologies key features learn advanced concepts in azure ml and the cortana intelligence suite architecture explore ml server using sql server and hdinsight capabilities implement various tools in azure to build and deploy machine learning models

book description implementing machine learning ml and artificial intelligence ai in the cloud had not been possible earlier due to the lack of processing power and storage however azure has created ml and ai services that are easy to implement in the cloud hands on machine learning with azure teaches you how to perform advanced ml projects in the cloud in a cost effective way the book begins by covering the benefits of ml and ai in the cloud you will then explore microsoft s team data science process to establish a repeatable process for successful ai development and implementation you will also gain an understanding of ai technologies available in azure and the cognitive services apis to integrate them into bot applications this book lets you explore prebuilt templates with azure machine learning studio and build a model using canned algorithms that can be deployed as web services the book then takes you through a preconfigured series of virtual machines in azure targeted at ai development scenarios you will get to grips with the ml server and its capabilities in sql and hdinsight in the concluding chapters you ll integrate patterns with other non ai services in azure by the end of this book you will be fully equipped to implement smart cognitive actions in your models what you will learn discover the benefits of leveraging the cloud for ml and ai use cognitive services apis to build intelligent bots build a model using canned algorithms from microsoft and deploy it as a web service deploy virtual machines in ai development scenarios apply r python sql server and spark in azure build and deploy deep learning solutions with cntk mmlspark and tensorflow implement model retraining in iot streaming and blockchain solutions explore best practices for integrating ml and ai functions with adla and logic apps who this book is for if you are a data scientist or developer familiar with azure ml and cognitive services and want to create smart models and make sense of data in the cloud this book is for you you ll also find this book useful if you want to bring powerful machine learning services into your cloud applications some experience with data manipulation and processing using languages like sql python and r will aid in understanding the concepts covered in this book

get up to speed with microsoft s ai platform learn to innovate and accelerate with open and powerful tools and services that bring artificial intelligence to every data scientist and developer artificial intelligence ai is the new normal innovations in deep learning

algorithms and hardware are happening at a rapid pace it is no longer a question of should i build ai into my business but more about where do i begin and how do i get started with ai written by expert data scientists at microsoft deep learning with the microsoft ai platform helps you with the how to of doing deep learning on azure and leveraging deep learning to create innovative and intelligent solutions benefit from guidance on where to begin your ai adventure and learn how the cloud provides you with all the tools infrastructure and services you need to do ai what you ll learn become familiar with the tools infrastructure and services available for deep learning on microsoft azure such as azure machine learning services and batch ai use pre built ai capabilities computer vision ocr gender emotion landmark detection and more understand the common deep learning models including convolutional neural networks cnns recurrent neural networks rnns generative adversarial networks gans with sample code and understand how the field is evolving discover the options for training and operationalizing deep learning models on azure who this book is for professional data scientists who are interested in learning more about deep learning and how to use the microsoft ai platform some experience with python is helpful

explore azure ai platform key features easy to follow tutorial for getting started with the azure ai platform integrated platform for developing deploying and managing ai apps includes real world scenarios and use cases to fully explore azure ai platform description microsoft azure ai a beginner s guide explains the fundamentals of azure ai and some more advanced topics the sole objective of the book is to provide hands on experience working with the various services apis and tools available in the azure ai platform this book begins by discussing the fundamentals of the azure ai platform and the essential principles behind the azure ai ecosystem and services readers will become familiar with the essential services use cases and examples provided by azure ai platform and services including azure cognitive services azure computer vision azure applied ai services and azure machine learning the author focuses on teaching how to utilize azure cognitive services to construct intelligent apps including image processing object detection text recognition ocr spatial analysis and face recognition using computer vision readers can investigate azure applied ai services including form recognizer metrics advisor cognitive

search immersive reader video analyzer and azure bot service bot framework and the bot framework emulator will be explored in further detail and how they can be used in ai applications to improve their conversational user interfaces with azure machine learning studio you will also learn to incorporate machine learning into your enterprise level applications what you will learn get familiar with azure ai platform and the cognitive capabilities of azure learn to create apps that can process photos detect faces and detect objects utilize ocr handwriting recognition and spatial analysis in your development learn about azure ai services like form recognizer metrics advisor cognitive search azure immersive reader and video analyzer try out several nlp applications with the azure bot framework who this book is for this book teaches ai developers machine learning engineers net developers and architects how to swiftly develop intelligent applications utilizing the azure ai platform knowledge of net or net core is strongly advised to get the most out of the book table of contents 1 azure ai platform and services 2 azure computer vision image analysis processing content moderation object and face detection 3 computer vision text recognition optical character recognition spatial analysis 4 azure cognitive services custom applications leveraging decision language speech search 5 azure applied ai services 6 azure applied ai services bots a brief introduction 7 machine learning infusing ml in custom applications using ml net 8 machine learning using azure ml studio

design build and justify an optimal microsoft iot footprint to meet your project needs this book describes common internet of things components and architecture and then focuses on microsoft s azure components relevant in deploying these solutions microsoft specific topics addressed include deploying edge devices and pushing intelligence to the edge connecting iot devices to azure and landing data there applying azure machine learning analytics and cognitive services roles for microsoft solution accelerators and managed solutions and integration of the azure footprint with legacy infrastructure the book concludes with a discussion of best practices in defining and developing solutions and creating a plan for success what you will learn design the right iot architecture to deliver solutions for a variety of project needs connect iot devices to azure for data collection and delivery of services use azure machine learning and cognitive services to deliver intelligence in cloud based solutions and at the edge understand the benefits and

tradeoffs of microsoft s solution accelerators and managed solutions investigate new use cases that are described and apply best practices in deployment strategies integrate cutting edge azure deployments with existing legacy data sources who this book is for developers and architects new to iot projects or new to microsoft azure iot components as well as readers interested in best practices used in architecting iot solutions that utilize the azure platform

know how to do machine learning with microsoft technologies this book teaches you to do predictive descriptive and prescriptive analyses with microsoft power bi azure data lake sql server stream analytics azure databricks hd insight and more the ability to analyze massive amounts of real time data and predict future behavior of an organization is critical to its long term success data science and more specifically machine learning ml is today s game changer and should be a key building block in every company s strategy managing a machine learning process from business understanding data acquisition and cleaning modeling and deployment in each tool is a valuable skill set machine learning with microsoft technologies is a demo driven book that explains how to do machine learning with microsoft technologies you will gain valuable insight into designing the best architecture for development sharing and deploying a machine learning solution this book simplifies the process of choosing the right architecture and tools for doing machine learning based on your specific infrastructure needs and requirements detailed content is provided on the main algorithms for supervised and unsupervised machine learning and examples show ml practices using both r and python languages the main languages inside microsoft technologies what you ll learn choose the right microsoft product for your machine learning solution create and manage microsoft s tool environments for development testing and production of a machine learning project implement and deploy supervised and unsupervised learning in microsoft products set up microsoft power bi azure data lake sql server stream analytics azure databricks and hd insight to perform machine learning set up a data science virtual machine and test drive installed tools such as azure ml workbench azure ml server developer anaconda python jupyter notebook power bi desktop cognitive services machine learning and data analytics tools and more architect a machine learning solution factoring in all aspects of self service

enterprise deployment and sharing who this book is for data scientists data analysts developers architects and managers who want to leverage machine learning in their products organization and services and make educated cost saving decisions about their ml architecture and tool set

develop the skills you need to run machine learning workloads in azure and pass the dp 100 exam with ease key features create end to end machine learning training pipelines with or without code track experiment progress using the cloud based mlflow compatible process of azure ml services operationalize your machine learning models by creating batch and real time endpoints book descriptionthe azure data scientist associate certification guide helps you acquire practical knowledge for machine learning experimentation on azure it covers everything you need to pass the dp 100 exam and become a certified azure data scientist associate starting with an introduction to data science you ll learn the terminology that will be used throughout the book and then move on to the azure machine learning azure ml workspace you ll discover the studio interface and manage various components such as data stores and compute clusters next the book focuses on no code and low code experimentation and shows you how to use the automated ml wizard to locate and deploy optimal models for your dataset you ll also learn how to run end to end data science experiments using the designer provided in azure ml studio you ll then explore the azure ml software development kit sdk for python and advance to creating experiments and publishing models using code the book also guides you in optimizing your model s hyperparameters using hyperdrive before demonstrating how to use responsible ai tools to interpret and debug your models once you have a trained model you ll learn to operationalize it for batch or real time inferences and monitor it in production by the end of this azure certification study guide you ll have gained the knowledge and the practical skills required to pass the dp 100 exam what you will learn create a working environment for data science workloads on azure run data experiments using azure machine learning services create training and inference pipelines using the designer or code discover the best model for your dataset using automated ml use hyperparameter tuning to optimize trained models deploy use and monitor models in production interpret the predictions of a trained model who this

book is for this book is for developers who want to infuse their applications with ai capabilities and data scientists looking to scale their machine learning experiments in the azure cloud basic knowledge of python is needed to follow the code samples used in the book some experience in training machine learning models in python using common frameworks like scikit learn will help you understand the content more easily

prepare for microsoft exam ai 900 and demonstrate your real world knowledge of diverse machine learning ml and artificial intelligence ai concepts and how they can be implemented with microsoft azure services designed for business stakeholders new and existing it professionals consultants and students this exam ref focuses on the critical thinking and decision making acumen needed for success at the microsoft certified azure ai fundamentals level focus on the expertise measured by these objectives describe ai workloads and considerations describe fundamental principles of machine learning on azure describe features of computer vision workloads on azure describe features of natural language processing nlp workloads on azure describe features of conversational ai workloads on azure this microsoft exam ref organizes its coverage by exam objectives features strategic what if scenarios to challenge you assumes you are a business user stakeholder technical professional or student who wants to become familiar with azure ai requires no data science or software engineering experience

the ai 900 exam helps you take your first step into an ai shaped future regardless of your technical background this book will help you test your understanding of the key ai related topics and tools used to develop ai solutions in azure cloud this exam guide focuses on ai workloads including natural language processing nlp and large language models llms you ll explore microsoft s responsible ai principles like safety and accountability then you ll cover the basics of machine learning ml including classification and deep learning and learn how to use training and validation datasets with azure ml using azure ai vision face detection and video indexer services you ll get up to speed with computer vision related topics like image classification object detection and facial detection later chapters cover nlp features such as key phrase extraction sentiment analysis and speech processing using azure ai language speech and translator services the book also guides you through identifying genai models and leveraging azure openai

service for content generation at the end of each chapter you'll find chapter review questions with answers provided as an online resource by the end of this exam guide you'll be able to work with AI solutions in Azure and pass the AI 900 exam using the online exam prep resources

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