Artificial Intelligence

Any technique that enables computers to mimic human intelligence. It includes *machine learning*

Machine Learning

A subset of AI that includes techniques that enable machines to improve at tasks with experience. It includes *deep learning*

Deep Learning

A subset of machine learning based on neural networks that permit a machine to train itself to perform a task.

Deep Learning Microsoft

Jonah Carrio Andersson

Deep Learning Microsoft:

Deep Learning with Azure Mathew Salvaris,Danielle Dean,Wee Hyong Tok,2018-08-24 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 llLearn 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   Deep Learning with Microsoft Cognitive Toolkit Quick Start Guide Willem Meints,2019-03-28 Learn how to train popular deep learning architectures such as autoencoders convolutional and recurrent neural networks while discovering how you can use deep learning models in your software applications with Microsoft Cognitive Toolkit Key FeaturesUnderstand the fundamentals of Microsoft Cognitive Toolkit and set up the development environment Train different types of neural networks using Cognitive Toolkit and deploy it to productionEvaluate the performance of your models and improve your deep learning skillsBook Description Cognitive Toolkit is a very popular and recently open sourced deep learning toolkit by Microsoft Cognitive Toolkit is used to train fast and effective deep learning models This book will be a quick introduction to using Cognitive Toolkit and will teach you how to train and validate different types of neural networks such as convolutional and recurrent neural networks This book will help you understand the basics of deep learning You will learn how to use Microsoft Cognitive Toolkit to build deep learning models and discover what makes this framework unique so that you know when to use it This book will be a quick no nonsense introduction to the library and will teach you how to train different types of neural networks such as convolutional neural networks recurrent neural networks autoencoders and more using Cognitive Toolkit Then we will look at two scenarios in which deep learning can be used to enhance human capabilities The book will also demonstrate how to evaluate your models performance to ensure it trains and runs smoothly and gives you the most accurate results Finally you will get a short overview of how Cognitive Toolkit fits in to a DevOps environment What you will learnSet up your deep learning

environment for the Cognitive Toolkit on Windows and LinuxPre process and feed your data into neural networksUse neural networks to make effcient predictions and recommendationsTrain and deploy effcient neural networks such as CNN and RNNDetect problems in your neural network using TensorBoardIntegrate Cognitive Toolkit with Azure ML Services for effective deep learningWho this book is for Data Scientists Machine learning developers AI developers who wish to train and deploy effective deep learning models using Microsoft CNTK will find this book to be useful Readers need to have experience in Python or similar object oriented language like C or Java   Learning Microsoft Azure Jonah Carrio Andersson,2023-11-20 If your organization plans to modernize services and move to the cloud from legacy software or a private cloud on premises this book is for you Software developers solution architects cloud engineers and anybody interested in cloud technologies will learn fundamental concepts for cloud computing migration transformation and development using Microsoft Azure Author and Microsoft MVP Jonah Carrio Andersson guides you through cloud computing concepts and deployment models the wide range of modern cloud technologies application development with Azure team collaboration services security services and cloud migration options in Microsoft Azure You ll gain insight into the Microsoft Azure cloud services that you can apply in different business use cases software development projects and modern solutions in the cloud You ll also become fluent with Azure cloud migration services serverless computing technologies that help your development team work productively Azure IoT and Azure cognitive services that make your application smarter This book also provides real world advice and best practices based on the author s own Azure migration experience Gain insight into which Azure cloud service best suits your company s particular needs Understand how to use Azure for different use cases and specific technical requirements Start developing cloud services applications and solutions in the Azure environment Learn how to migrate existing legacy applications to Microsoft Azure   **Mastering Azure Machine Learning** Christoph Körner,Kaijisse Waaijer,2020-04-30 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 FeaturesMake sense of data on the cloud by implementing advanced analyticsTrain and optimize advanced deep learning models efficiently on Spark using Azure DatabricksDeploy machine learning models for batch and real time scoring with Azure Kubernetes Service AKS Book Description The 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 MLOps 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 learnSetup your Azure Machine Learning workspace for data experimentation and visualizationPerform ETL data preparation and feature extraction using Azure best practicesImplement advanced feature extraction using NLP and word embeddingsTrain gradient boosted tree ensembles recommendation engines and deep neural networks on Azure Machine LearningUse hyperparameter tuning and Azure Automated Machine Learning to optimize your ML modelsEmploy distributed ML on GPU clusters using Horovod in Azure Machine LearningDeploy operate and manage your ML models at scaleAutomated your end to end ML process as CI CD pipelines for MLOpsWho 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 **Practical Automated Machine Learning on Azure** Deepak Mukunthu,Parashar Shah,Wee Hyong Tok,2019-09-23 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 **Deep Learning mit Microsoft Azure** Mathew Salvaris,Danielle Dean,Wee Hyong Tok,2019-05-24 Hands-On Machine Learning with ML.NET Jarred Capellman,2020-03-27 Create train and evaluate various machine learning models such as regression classification and clustering using ML NET Entity Framework and ASP NET Core Key FeaturesGet well versed with the ML NET framework and its components and APIs using practical examplesLearn how to build train and evaluate popular machine learning algorithms with ML NET offeringsExtend your existing machine learning models by integrating with TensorFlow and other librariesBook Description Machine learning ML

is widely used in many industries such as science healthcare and research and its popularity is only growing In March 2018 Microsoft introduced ML NET to help NET enthusiasts in working with ML With this book you ll explore how to build ML NET applications with the various ML models available using C code The book starts by giving you an overview of ML and the types of ML algorithms used along with covering what ML NET is and why you need it to build ML apps You ll then explore the ML NET framework its components and APIs The book will serve as a practical guide to helping you build smart apps using the ML NET library You ll gradually become well versed in how to implement ML algorithms such as regression classification and clustering with real world examples and datasets Each chapter will cover the practical implementation showing you how to implement ML within NET applications You ll also learn to integrate TensorFlow in ML NET applications Later you ll discover how to store the regression model housing price prediction result to the database and display the real time predicted results from the database on your web application using ASP NET Core Blazor and SignalR By the end of this book you ll have learned how to confidently perform basic to advanced level machine learning tasks in ML NET What you will learnUnderstand the framework components and APIs of ML NET using C Develop regression models using ML NET for employee attrition and file classificationEvaluate classification models for sentiment prediction of restaurant reviewsWork with clustering models for file type classificationsUse anomaly detection to find anomalies in both network traffic and login historyWork with ASP NET Core Blazor to create an ML NET enabled web applicationIntegrate pre trained TensorFlow and ONNX models in a WPF ML NET application for image classification and object detectionWho this book is for If you are a NET developer who wants to implement machine learning models using ML NET then this book is for you This book will also be beneficial for data scientists and machine learning developers who are looking for effective tools to implement various machine learning algorithms A basic understanding of C or NET is mandatory to grasp the concepts covered in this book effectively   *Cloud-Native Applications on Microsoft Azure* Hrushikesh Deshmukh,Rajesh Kumar Malviya,Novman Mohammed,2025-11-17 DESCRIPTION Cloud native technologies are at the core of enterprise transformation enabling applications that are scalable resilient and intelligent Microsoft Azure offers a comprehensive platform to architect automate and future proof these next generation systems This book provides a step by step journey through cloud native design on Azure starting with the fundamentals and addressing real world challenges You will explore the differences between cloud native and microservices learn how to leverage Azure s native capabilities and design robust architectures that incorporate networking data management and API driven patterns Hands on chapters guide you through CI CD pipelines observability governance and security using tools such as Azure DevOps Terraform Azure Monitor and Key Vault This book also discusses AI and ML integration with Azure Machine Learning Cognitive Services and OpenAI while gaining insights into future trends like edge computing 5G and service mesh It concludes with five in depth case studies across industries such as retail media logistics e commerce and healthcare demonstrating how cloud native principles translate into practical high impact solutions

By the end of this book you will be equipped to design build secure and manage enterprise scale cloud native applications on Microsoft Azure From addressing challenges to applying best practices from automation to observability and from security to AI driven innovation this book takes you step by step through the entire lifecycle WHAT YOU WILL LEARN Understand cloud native foundations and the challenges organizations face when transitioning Design end to end cloud native architectures using modular resilient and scalable patterns Implement secure and performant networking with VNets Load Balancers and service mesh Manage distributed data with Cosmos DB Azure SQL and advanced data strategies Implement observability using Azure Monitor Application Insights and OpenTelemetry Automate CI CD and infrastructure with Azure DevOps GitOps Terraform and ARM templates WHO THIS BOOK IS FOR This book is designed for cloud architects and DevOps engineers seeking mastery of Azure native design Software developers building or modernizing applications with cloud native principles It is also valuable for IT professionals and platform engineers tasked with automation security and scaling and technology leaders and enterprise architects aiming to modernize operations and drive transformation TABLE OF CONTENTS 1 Introduction to Cloud native Architecture 2 Challenges and Solutions in Cloud native Applications 3 Cloud native vs Microservices Architecture 4 Leveraging Azure Capabilities for Cloud native Applications 5 Designing Cloud native Architecture on Azure 6 Azure Networking on Cloud native Apps 7 APIM and Event driven Patterns 8 Data Management in Cloud native Applications 9 Observability Through Logging and Monitoring 10 Building Cloud native Apps on Azure 11 Security and Compliance 12 Cloud native Applications on Azure 13 Future Trends in Cloud native Development 14 Case Studies and Practical Insights   **Hands-On Machine Learning with Azure** Thomas K Abraham,Parashar Shah,Jen Stirrup,Lauri Lehman,Anindita Basak,2018-10-31 Implement machine learning cognitive services and artificial intelligence solutions by leveraging Azure cloud technologies Key FeaturesLearn advanced concepts in Azure ML and the Cortana Intelligence Suite architectureExplore ML Server using SQL Server and HDInsight capabilitiesImplement various tools in Azure to build and deploy machine learning modelsBook 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 learnDiscover the benefits of leveraging the cloud for ML and AIUse Cognitive Services APIs to build intelligent botsBuild a model using canned algorithms from Microsoft and deploy it as a web serviceDeploy virtual machines in AI development scenariosApply R Python SQL Server and Spark in AzureBuild and deploy deep learning solutions with CNTK MMLSpark and TensorFlowImplement model retraining in IoT Streaming and Blockchain solutionsExplore best practices for integrating ML and AI functions with ADLA and logic appsWho 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   **Automated Machine Learning with Microsoft Azure** Dennis Michael Sawyers,2021-04-23 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 FeaturesCreate deploy productionalize and scale automated machine learning solutions on Microsoft AzureImprove the accuracy of your ML models through automatic data featurization and model trainingIncrease productivity in your organization by using artificial intelligence to solve common problemsBook 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 learnUnderstand how to train classification regression and forecasting ML algorithms with Azure AutoMLPrepare data for Azure AutoML to ensure smooth model training and deploymentAdjust AutoML configuration settings to make your models as accurate as possibleDetermine when to use a batch scoring solution versus a real time scoring solutionProductionalize your AutoML and discover how to quickly deliver valueCreate real time scoring solutions with AutoML and Azure Kubernetes ServiceTrain a large number of AutoML models at once using the

AzureML Python SDKWho 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

Machine Learning with Microsoft Technologies Leila Etaati,2019-06-12 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   **AI: The Microsoft Way – Making Technology Accessible to All** M.B. Chatfield, In the rapidly evolving world of artificial intelligence AI Microsoft stands as a beacon of innovation and accessibility From its early forays into AI research to its groundbreaking advancements in natural language processing machine learning and deep learning Microsoft has consistently demonstrated its commitment to making AI a transformative force for good Unlocking the Power of AI for Everyone This book delves into Microsoft s groundbreaking approach to AI

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Knowledge Management Systems. Strategies and Challenges Abdullah Adigun,2024-07-30 Essay from the year 2023 in the subject Business economics Information Management grade 76 4 University of Leicester Administration course Business Management language English abstract This report provides an overview of Microsoft s current IKM systems highlighting their role in fostering innovation and operational efficiency Microsoft Corporation a global leader in the IT industry relies on sophisticated Information and Knowledge Management IKM framework to support its extensive operations Key components include Microsoft 365 for collaboration and productivity Azure Knowledge Mining for AI driven insights SharePoint for document management and Dynamics 365 for CRM and ERP integration Despite these robust systems challenges such as data security information overload global diversity and legacy system integration persist This report evaluates Microsoft s strategies to address these challenges and proposes recommendations for enhancing its IKM systems further   Mastering Azure Machine Learning Christoph Korner,Marcel Alsdorf,2022-05-10 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 **Deep Learning on Windows** Thimira Amaratunga,2021-02-25 Build deep learning and computer vision systems using Python TensorFlow Keras OpenCV and more right within the familiar environment of Microsoft Windows The book starts with an introduction to tools for deep learning and computer vision tasks followed by instructions to install configure and troubleshoot them Here you will learn how Python can help you build deep learning models on Windows Moving forward you will build a deep learning model and understand the internal workings of a convolutional neural network on Windows Further you will go through different ways to visualize the internal workings of deep learning models along with an understanding of transfer learning where you will learn how to build a model architecture and use data augmentations Next you will manage and train deep learning models on Windows before deploying your application as a web application You ll also do some basic image processing and work with computer vision options that will help you build various applications with deep learning Finally you will use generative adversarial networks along with reinforcement learning After reading Deep Learning on Windows you will be able to design deep learning models and web applications on the Windows operating system What You Will Learn Get deep learning tools working on Microsoft Windows Understand model visualization techniques such as the built in plot_model function of Keras and third party visualization tools Build a robust training script Convert your deep learning model into a web application Generate handwritten digits with DCGAN deep convolutional generative adversarial network Understand the basics of reinforcement learning Who This Book Is For AI developers and enthusiasts wanting to work on the Windows platform **Microsoft Azure Essentials Azure Machine Learning** Jeff Barnes,2015-04-25 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 **Azure Machine Learning Engineering** Sina Fakhraee,Balamurugan Balakreshnan,Megan Masanz,2023-01-20 Fully build and productionize end to end machine learning solutions using Azure Machine Learning Service Key FeaturesAutomate complete machine learning solutions using Microsoft

AzureUnderstand how to productionize machine learning modelsGet to grips with monitoring MLOps deep learning distributed training and reinforcement learningBook 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 learnTrain ML models in the Azure Machine Learning serviceBuild end to end ML pipelinesHost ML models on real time scoring endpointsMitigate bias in ML modelsGet the hang of using an MLOps framework to productionize modelsSimplify ML model explainability using the Azure Machine Learning service and Azure InterpretWho 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

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Deep Learning Microsoft Introduction

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