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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

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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.

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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

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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

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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,

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toolsWho 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

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yourself with important
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ensure high availability
by having an understanding
of database-related
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meet and exceed non-
functional requirements
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of cloud technologies,
organizations prefer to
deploy their analytics
using cloud providers
such as Amazon Web
Services (AWS),
Microsoft Azure, or

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Google Cloud Platform.
Cloud vendors are
offering modern data
platforms for building
cloud analytics
solutions to collect
data and consolidate

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into single storage solutions that provide insights for business users. The core of any analytics framework is the data warehouse, and previously customers did

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not have many choices of platform to use.

Snowflake was built specifically for the cloud and it is a true game changer for the analytics market. This

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book will help onboard you to Snowflake, present best practices to deploy, and use the Snowflake data warehouse. In addition, it covers modern

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analytics architecture
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integration with leading
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Finally, it covers migration scenarios for on-premise legacy data warehouses. What You Will Learn Know the key functionalities of Snowflake Set up

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security and access with
cluster Bulk load data
into Snowflake using the
COPY command Migrate
from a legacy data
warehouse to Snowflake
integrate the Snowflake

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intelligence (BI)
technologies, and
existing and potential
Snowflake users
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certification world.
Although it's not a
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topics including cloud
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and pricing. After passing this exam you'll have an understanding of the core value proposition of AWS and cloud computing in general. You'll

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