Authoring Visual Analytics with Amazon QuickSight

AWS Classroom Training

Course description

In this course, you build a data visualization solution using Amazon QuickSight. The focus of the session will be on connecting to data sources, building visuals, creating calculations and designing interactivity.

- Course level: Fundamental
- Duration: 4 hours

Activities

This course includes presentations, demonstrations, and labs.

Course objectives

In this course, you will learn to:

- Explain the benefits, use cases, and key features of Amazon QuickSight
- Design, create, and customize Amazon QuickSight dashboards to visualize data and extract business insights from it
- Select and configure appropriate visualization types to identify, explore, and drill down on business insights
- Connect, transform, and prepare data for dashboarding consumption

Intended audience

This course is intended for:

- Data and business analysts who build and manage business analytics dashboards

Prerequisites

We recommend that attendees of this course have:

- Familiarity with the data analytics fundamentals

Course outline

Introduction

- Introduction to course
- Access to resources (Hands-on lab interface, instructions)

Module 1: Introduction and overview of Amazon QuickSight

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- What is QuickSight and key features?
- Why use QuickSight for data visualization?
- Common Use-Cases

Module 2: Getting Started with Amazon QuickSight

- Loading data
- Visualizing data
- Demo of the QuickSight interface
- **Hands-on Lab**: Creating your first dashboard

Module 3: Enhancing and adding interactivity to your dashboard

- Overview of techniques to enhance the usability of your dashboard
- Optimizing the size, layout, and aesthetics of a dashboard
- Adding interactivity
- **Hands-on Lab**: Enhancing your dashboard

Module 4: Preparing data for analysis

- Working with datasets
- Data preparation and manipulation best practices
- **Hands-on Lab**: Preparing data for analysis

Module 5: Wrap Up

- Recap