

# Authoring Visual Analytics Using Amazon QuickSight

## Authoring Visual Analytics Using Amazon QuickSight

In this course, you will build a data visualization solution using Amazon QuickSight. QuickSight allows everyone in your organization to understand your data by exploring through interactive dashboards, asking questions in natural language, or automatically looking for patterns and outliers powered by machine learning. This course focuses on connecting to data sources, building visuals, designing interactivity, and creating calculations. You will learn how to apply security best practices to your analyses. You will also explore the machine learning capabilities built into QuickSight

### Course Contents

- Module 1: Introduction and Overview of Amazon QuickSight
- Module 2: Getting Started with Amazon QuickSight
- Module 3: Enhancing and Adding Interactivity to Your Dashboard
- Module 4: Preparing Datasets for Analysis
- Module 5: Performing Advanced Data Calculations
- Activity: Designing a Visual Analytics Solution
- Module 6: Overview of Amazon QuickSight Security and Access Control
- Module 7: Exploring machine learning capabilities
- End of day challenge labs

This course includes presentations, demonstrations, group exercises, and practice and challenge labs.

### Target Group

This course is intended for:

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

### Prerequisites

- Attendees should have a minimum of one-year experience in business intelligence or a similar function
- Completed the following course: Data Analytics Fundamentals

**Important:** Therefore, please bring your notebook to the course! If this is not possible, please contact us in advance.

### This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

[www.expertech-training.com/go/AWAV](http://www.expertech-training.com/go/AWAV)

### Reservation


On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

### Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

### Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training	Prices, excl. of V.A.T.	
Classes in Germany	2 Days	€ 1,295
Online Training	2 Days	€ 1,295
Date/course venue	Course language German 	
29/04-30/04/24 <input type="checkbox"/> Online		

Status 03/08/2024



# Table of Contents

## Authoring Visual Analytics Using Amazon QuickSight

### **Module 1: Introduction and Overview of Amazon QuickSight** Integrate machine learning tools into the dashboard

Introducing Amazon QuickSight

Why use Amazon QuickSight for data visualization

### **Module 2: Getting Started with Amazon QuickSight**

Interacting with Amazon QuickSight

Loading data into Amazon QuickSight

Visualizing data in Amazon QuickSight

Demonstration: Walkthrough of Amazon QuickSight interface

Practice Lab: Create your first dashboard

### **Module 3: Enhancing and Adding Interactivity to Your Dashboard**

Enhancing your dashboard

Demonstration: Optimize the size, layout, and aesthetics of a dashboard

Enhancing visualizations with interactivity

Demonstration: Walkthrough of dashboard interactivity features

Practice Lab: Enhancing your dashboard

### **Module 4: Preparing Datasets for Analysis**

Working with datasets

Demonstration: Transform your datasets for analysis

Practice Lab: Preparing data for analysis

### **Module 5: Performing Advanced Data Calculations**

Transform data using advanced calculations

Practice Lab: Performing advanced data calculations

### **Activity: Designing a Visual Analytics Solution**

### **Module 6: Overview of Amazon QuickSight Security and Access Control**

Overview of Amazon QuickSight security and access control

Dataset access control in Amazon QuickSight

Lab: Implementing access control in Amazon QuickSight visualizations

### **Module 7: Exploring machine learning capabilities**

Introducing Machine Learning (ML) insights

Natural Language Query with QuickSight Q

Demonstration: Using QuickSight Q

Lab: Using machine learning for anomaly detection and forecasting

### **End of day challenge labs**

Join data sources together

Create a dashboard

Enhance the dashboard and add interactivity

Perform advanced data calculations

