Snowflake for End Users - TTSNW02

Build foundational Snowflake skills to analyze, visualize, and share business data for actionable insights and better decision-making.

Duration: 2 Days
Skill Level: Introductory
Available Format: ; Instructor-Led, Onsite In Person ; On Public Schedule

If you're a business user looking to harness Snowflake for data analysis and reporting, this course is for you. In two hands-on days, you'll learn how to navigate Snowflake's interface, write simple SQL queries, and connect to BI tools to create impactful dashboards and reports. Gain the skills to prepare, analyze, and visualize data, helping you turn insights into decisions and streamline your daily workflows.

What You'll Learn

Overview

Snowflake is a cutting-edge cloud data platform that simplifies how organizations store, query, and manage data at scale. Its unique architecture combines the power of a data warehouse with the flexibility of the cloud, making it an ideal solution for professionals who work with large volumes of data or need seamless integration with analytics tools. Whether you're a data analyst, engineer, scientist, or database administrator, learning Snowflake can transform how you approach data challenges and unlock new possibilities for efficiency and insight.

Snowflake for End Users is a two-day, hands-on course designed to help business users confidently work with Snowflake for data analysis, visualization, and reporting. Whether you are responsible for creating reports, analyzing business data, or supporting decision-making processes, this course is tailored to provide you with the foundational skills you need. Through expert-led sessions and interactive labs, you will learn to navigate the Snowflake platform, write effective SQL queries, and connect to BI tools to create impactful visualizations and reports.

This course enables you to prepare and analyze business data with ease, demonstrating how Snowflake's architecture and features simplify workflows and enhance collaboration. You will practice loading, querying, and visualizing data while working through real-world scenarios aligned with business objectives. By the end of the course, you will have the confidence and skills to turn data into actionable insights and effectively support decision-making in your organization.

Objectives

This course combines engaging instructor-led presentations and practical hands-on labs to equip you with essential skills for data analysis and visualization.

By the end of this course, you will:

- **Understand Snowflake's Architecture:** Learn the key features and benefits of Snowflake and its relevance for business use.
- **Navigate and Connect to Snowflake:** Confidently access and explore Snowflake's platform and tools.
- **Perform Basic Data Queries:** Write SQL queries to retrieve, summarize, and analyze business data.
- **Create Visualizations and Reports:** Integrate Snowflake with BI tools to build dashboards and present insights effectively.
- **Complete Business Workflows:** Apply Snowflake's capabilities to end-to-end workflows, from data ingestion to sharing results.

If your team requires different topics, additional skills or a custom approach, our team will collaborate with you to adjust the course to focus on your specific learning objectives and goals.

Audience

This course is ideal for business users, analysts, and team members responsible for analyzing and reporting on data. It's best suited for those with minimal technical backgrounds who need to utilize Snowflake for decision-making and collaboration in data-driven environments.

Pre-Requisites

To ensure a smooth learning experience and maximize the benefits of attending this course, you should have the following prerequisite skills:

- **Basic SQL Skills:** Familiarity with **SELECT, WHERE, GROUP BY,** and similar constructs.
- **Understanding of Business Data:** General knowledge of datasets, reporting needs, and analytical processes.

TTSQL003   Introduction to Writing SQL Queries

Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We'll work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience skill level, interests and participation.

Day 1: Snowflake Fundamentals and Querying

1. **Introduction to Snowflake**
   - What is Snowflake? Key features and benefits.
   - Overview of Snowflake's architecture and use cases.
   - Exploring Snowflake's relevance for business users.

2. **Getting Started with Snowflake**
   - Setting up and accessing Snowflake.
   - Navigating Snowsight and understanding its interface.
   - Exploring sample datasets for analysis.
   - Hands-On Lab
   - Connecting to Snowflake and exploring the platform.
   - Loading and navigating sample datasets.

3. **Basic Querying in Snowflake**
   - Writing SQL queries: **SELECT, WHERE, GROUP BY, ORDER BY.**
   - Using basic SQL functions like **COUNT, SUM,** and **AVG.**

4. **Advanced Querying Techniques**
   - Introduction to window functions and efficient queries.
   - Combining datasets using JOINs.
   - Hands-On Lab
   - Writing and running SQL queries on sample datasets.
   - Using SQL functions to summarize and analyze data.

- Joining multiple datasets for comprehensive insights.

Day 2: Data Visualization, BI Integration, and Workflow

5. Data Visualization Basics
- Exporting data for visualization.
- Connecting Snowflake to BI tools like Tableau and Power BI.
- Building dashboards and reports for business insights.

6. Data Preparation and Enrichment
- Cleansing and transforming data for analysis.
- Creating calculated fields and aggregations.
- Applying SQL for advanced data preparation.
- Hands-On Lab
- Connecting Snowflake to a BI tool.
- Building visualizations and dashboards.
- Preparing datasets for enhanced reporting.

7. End-to-End Data Workflow
- Working with a business scenario: loading, analyzing, and visualizing data.
- Creating dashboards to present findings.
- Exporting and sharing results with stakeholders.

8. Sharing and Collaboration
- Collaborating using Snowflake's sharing features.
- Best practices for collaborative workflows in Snowflake.
- Hands-On Lab
- Completing an end-to-end workflow.
- Sharing dashboards and reports with stakeholders.
- Practicing collaborative features in Snowflake.

Related Courses

TTSNW06	Snowflake for Technologists
TTSNW03	Getting Started with Snowflake | Datawarehouse in the Cloud
TTSNW04	Intermediate Snowflake | Datawarehouse in the Cloud
TTSNW07	Advanced Data Handling and Automation with Snowflake
TTSNW02	Snowflake for End Users

Setup Made Simple! Learning Experience Platform (LXP)

All applicable course software, digital courseware files or course notes, labs, data sets and solutions, live coaching support channels and rich "easy access, single source, no install required" online Learning Experience Platform (LXP), remote lab and content environment. Access periods vary by course. We'll collaborate with you to ensure your team is set up and ready to go well in advance of the class. Please inquire about set up details and options for your specific course of interest.

For More Information

Please contact us or call 844-475-4559 toll free for more information about our training services (instructor-led, self-paced or blended), coaching and mentoring services, public course enrollment or questions, partner programs, courseware licensing options and more.