SNOWFLAKE
DATA ANALYST

2-DAY COURSE

snowflake® | UNIVERSITY

DATASHEET

OVERVIEW

This 2-day role specific course covers how to explore, load, visualize and extract insights from the Snowflake Platform. This course will consist of lecture, labs, and discussions.

ACQUIRED SKILLS

By the end of this class you will be able to:

- Overview of Snowflake key features & architecture
- Load and work with new datasets
- Query and inspect data using SQL core constructs
- Discuss query caching performance capabilities
- Perform advanced and high-performing data analytic tasks
- Review key SQL extensibility features
- Employ best practices for working with semi-structured data
- Visualizing data outside of Snowflake

WHO SHOULD ATTEND

- Data Analysts/Business Intelligence users

PREREQUISITES

Basic knowledge of SQL is required

DELIVERY FORMAT

Instructor-led Public or Private classes are available

SCHEDULE

Snowflake Architecture and Overview

- Snowflake Overview
- Architecture 101 & ecosystem
- How to use the Snowflake UI

Data Movement

- Ingesting new data into Snowflake Tables
- Working with various SQL Data Types
- Discussing streaming data & using external data lakes
- Ingestion best practices

Querying Data with SQL

- View the Schema
- Filtering data examples & best practices
- Sorting data & performance considerations
- Commonly used functions
- Save & export data output
- Time Travel queries

Query Caching Performance Features

- Result set cache
- Metadata cache
- Query data cache
- Best practices of using caching for performance and cost optimization

SCHEDULE

Performing Data Analytic Tasks

- Using Snowflakes high-performing approximation and estimation features
- Join and Union queries & tuning techniques
- Perform advanced analytic tasks using additional SQL querying capabilities including subqueries, common table expressions, and analytic functions.

Using Snowflakes SQL Extensibility Features

- User-defined functions
- Stored Procedures
- Regular Views & Secured Views

Working with Semi-Structured Data

- Data source formats
- Support of native data types
- SQL Operations (Grouping, Sorting & more)
- Built-in functions for traversing, flattening, and nesting of semi-structured data

Visualizing Data

- Connecting a BI Tool to Snowflake
- Exploring & Visualizing data outside of Snowflake