

SNOWFLAKE DATA ANALYST

Course Content

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

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