



## MongoDB for Data Analysts

8 hours

### Course Overview:

MongoDB is a leading document database that changes the world developers known so far: no schema constraints, instant object persistency, rapid high availability, amazing performance and scale out support for the cloud generation.

This course provides data analysts the skill to query MongoDB database in order to meet their business goals

Note: This course will be focused on utilizing MongoDB query language and not in JavaScript programming.

### Who Should Attend:

Data Analysts.

### Required Skills:

Database users w/knowledge in SQL

### Prerequisites:

Setup an ATLAS account w/ sandbox database

### Gained Skills from the Course

Gain hands on data scientist in MongoDB



### Course Contents:

#### **Module 1: Introduction to MongoDB (3 hours)**

- Introduction to MongoDB and NoSQL databases
- What are documents and JSON format
- The Mongo Shell as a basic tool
- MongoDB Compass and other tools
- Basic query language and operators
- Lab: Basic operations

#### **Module 2: Insights to Advanced capabilities (1 hour)**

- Javascript engine
- Map Reduce overview

#### **Module 3: Aggregation Framework (4 hours)**

- Single purpose aggregation functions
- Aggregation pipelines
- Joins
- Creating Views