Sign up

Metabase Training: Visualization and Analysis
2 days (14 hours)

Presentation

Do you have a solid grounding in data analysis and are you looking to master a powerful visualization tool to improve your decision-making process? Our Metabase training course is specially designed to meet your needs.

This training course will immerse you in the world of Metabase, an open-source Business Intelligence platform renowned for its ease of use and power.

Through our training course, you'll discover the essential features of Metabase, from installation and configuration to advanced data modeling and interface customization.

You'll be able to master Metabase's basic and advanced functionalities, integrate Metabase into your existing software ecosystem and exploit its potential with advanced customizations.

This training course will introduce you to the latest version of the tool: Metabase v0.48.

Objectives

- Understanding the Metabase ecosystem
- Configuring and administering a Metabase instance
- Create interactive dashboards and powerful visualizations
- Understand best practices for security, confidentiality and data governance in Metabase

Target audience

- Data Scientists
- Developers
- Data analysts
- Project managers
- Consultants
- Business Analysts
- Business Intelligence Consultants

PREREQUISITES

- Knowledge of data analysis and SQL
- Knowledge of business intelligence is appreciated

OUR METABASE TRAINING PROGRAM

INTRODUCTION TO METABASE

- Introducing Metabase and its ecosystem
- Metabase benefits and use cases
- User interface: navigation and basic functions
- Creating an account and connecting to Metabase
- Overview of key features

METABASE INSTALLATION AND CONFIGURATION

- Overview of the Metabase installation process
- Metabase application database configuration
- Updating and backing up Metabase
- Monitoring and controlling Metabase
- Good privacy and security practices

DATABASE AND QUESTION MANAGEMENT

- Adding and managing databases in Metabase
- Database synchronization and analysis
- Create and share simple, personalized questions
- Using the SQL editor and SQL parameters
- Best practices for sharing and alerting responses

CREATION OF DASHBOARDS AND VISUALIZATIONS

- Introduction to dashboards and visualizations in Metabase
- Dashboard filter configuration and interactivity

- Create multi-series graphs and interactive dashboards
- Subscriptions and actions on dashboards
- Exploring best practices in dashboard design

DATA MODELING AND USER MANAGEMENT

- Fundamental concepts of data modeling in Metabase
- Using segments, metrics and field types
- User management and organization: collections, permissions and groups
- Account settings and authentication options
- Using X-rays and reference data for exploration

INTEGRATION, CUSTOMIZATION AND ADVANCED CONFIGURATION

- Strategies for integrating Metabase into other applications
- Customize appearance and local settings
- Advanced configuration: environment variables, caching and custom maps
- Customizing the Metabase Jetty web server
- Using the Metabase API for advanced integrations

TOOLS, USAGE ANALYSIS AND TROUBLESHOOTING

- Use of administration and analytics tools
- Troubleshooting strategies and solutions to common problems
- Practical case studies and exercises to reinforce learning
- Encouraging community participation and sharing discoveries

PROGRESSIVE AND CONTINUOUS LEARNING

- Discussion on the importance of continuous learning in the Metabase ecosystem
- Tips for keeping up to date with new Metabase features
- Resources for self-directed learning and skills development
- Active participation in the Metabase community for knowledge exchange

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as enrolment is finalized, the learner receives a self-assessment questionnaire enabling us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and objectives.

This questionnaire also enables us to anticipate any connection or internal security problems (intra-company or virtual classroom) that could be problematic for the follow-up and smooth running of the training session. This questionnaire also enables us to anticipate any connection or internal security difficulties within the company (intra-company or virtual classroom) that could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.