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Sign up

Alteryx Training: Data Preparation and Transformation

2 days (14 hours)

Presentation

Automate your data preparation intuitively with Alteryx. This data analytics tool uses a drag-and-drop system to help you manipulate your data efficiently.

The software is compatible with many different data types and sources. You'll be able to carry out your entire ETL process with ease.

Alteryx can guarantee you exceptional time savings thanks to the automation of your data preparation, and better performance thanks to its predictive features.

Our Alteryx training course will show you how to prepare and manipulate your data with Alteryx by teaching you how to use its various tools, how to modify your tables, and how to create predictive analyses.

Objectives

- Preparing data with Alteryx
- Create predictive analyses
- Master the various Alteryx tools

Target audience

- Data Scientists
- Developers
- Data analysts
- Project managers

- Consultants
- Business Analysts
- Data miners

PREREQUISITES

- Knowledge of R is recommended
- Minimum knowledge of databases (Notion SGBDR --> Système de Gestion de Base de Données)

technical prerequisites

- You can install Alteryx on your machine before the training (not compulsory).

Alteryx training program

Presentation

- What is Alteryx?
- Installation
- Configuration
- Interface presentation

Import data

- Data connection (from Excel, CSV, SQL Server)
- The explorer tool
- Update your data
- The directory tool
- Data output

Tools for data preparation

- Select
- Sort
- Filter
- Sample
- Formula tools
- Generate lines and fields
- RegEx
- Date/Time
- Database tools

Joints

- The Joint tool
- The Union tool
- The Add Fields tool
- Partial match tool
- The Create Group tool
- Find and replace tool

Transformation tools

- Cumulative total
- Counting registrations
- Weighted average
- Transpose
- Organize
- Pivot tables

Advanced tools

- Developer tools
 - Dynamic select, Dynamic rename, Dynamic replace
 - Integrate code into processing (e.g. python)
 - Message tool
- Interface tools
 - Analytics App creation
 - Macros: Standard Macro, Batch Macro, Iterative Macro
- Using R with Alteryx

Companies concerned

This 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 registration 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 personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which 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.