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# Dataiku training: The DSS platform

2 days (14 hours)

## Presentation

Dataiku is a data science platform that enables model creation while industrializing the entire processing chain: data collection, data preparation...

Thanks to this Dataiku training course, your team will be able to learn more about Dataiku's functionalities. They'll be able to interface with [Cloud environments](#), and improve your organization by putting data at the heart of your strategy.

This collaborative tool will provide your company with Machine Learning and Data Science functionalities.

But also convert data into predictions, use it to explore and develop your own data products. You can prepare your platform to automate workflow and deploy production.

For this training course, we are using the latest version: [DSS 11](#).

## Objectives

- Identify the benefits of Dataiku and Machine Learning and Data Science tools
- Understanding how to put Dataiku models and workflows into production
- Using the DSS interface
- Build different projects and data manipulation workflows

## Target audience

- Data analysts
- Data scientists
- Data engineers

- SAS Analyst

## Prerequisites

Knowledge of data science.

## Software requirements

A free access to Dataiku is all you need.

## Our Dataiku training program

### Introduction

- Introduction to Dataiku
- What is Data Science Studio (DSS)?
- The DSS structure
  - Administration
  - Project concept
  - Flow
  - Lab
- DSS installation
- Dashboard
- The different users
- Different uses

### Data management with DSS

- The different types of data
- Data import
- Data transformation
- Introduction to Visual Recipe
- Visual Recipes Prepare
  - Semantic types
  - Data handling

### Data Visualization

- Introduction to data visualization
- The different visualizations
- Real data
- [PRACTICE] Manipulating data to display time series
- Dashboard sharing with DSS
- Exporting graphics

## Machine Learning

- What is machine learning?
- Supervised automatic learning
- Unsupervised machine learning
- The models
- [PRACTICE] Building the first model

## DSS Project

- Bundles
- The scenarios
- Monitoring
- API node
- Automation nodes

## 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 registration is finalized, the learner receives a self-assessment questionnaire which enables 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 for 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.