

# Why choose Doussou Formation for your development? Here are 5 good reasons!

Technology is changing at breakneck speed. Workplaces are following the same trend. In order to stay ahead of this race, you must improve your knowledge. Whatever your needs, your abilities and your field of employment, Doussou Formation is the refueling stop that will propel you to the finish line. Here are 5 good reasons to trust Doussou Formation to enrich your know-how.

## **1. A wide variety of training**

Our training directory includes more than a hundred. These range from initiations for beginners to advanced courses. Whether you want to take training to improve your knowledge of the French language, master software or improve your use of social media, we can help you. We offer programming courses, training to perfect your skills in human resources, training in web marketing and many more. In short, as you can see, we certainly have a tailor-made course for you. All you have to do is visit our website to find the training that will advance your career.

## **2. Approved and experienced trainers**

You are professionals who have little time. We understand this well and our trainers too. They have decades of experience and their courses have been tailor-made for people like you. They will seek to understand your needs in order to work precisely on what you want to improve. Also, their large background will allow them to target points that you might not have noticed. Obviously, this will ensure that you will come out of our courses with solid skills thanks to the supervision of our certified trainers.

## **3. Certified training**

Your success is our motivation. And when you complete a course with Doussou Formation, you'll get a certificate to show off your hard work and learning. We even offer training recognized by government entities such as our training: "Manage conflicts in the workplace" which is recognized by Emploi-Québec. You will be able to show your employer that you have taken a step forward in terms of your know-how.

#### 4. Flexibility in content

Thanks to our experienced trainers, the content of our courses will target not only what you want to perfect, but also your needs. We will identify them together and we will work on these shortcomings in order to make them strengths. Doussou Formation sees the potential that exists in you and we want to offer you the tools to take full control of it. Our courses are suitable for groups, individuals and companies. Our practical workshops allow you to work directly on the cases that apply to you. Thus, the relevance of your training will be directly observable. These are modulated for you.

#### 5. Short learning curve

Going back to school represents an investment in time and money. In addition, this time spent in class will prevent you from working as much. Thus, our flexible and short-term training courses have been designed for professionals. You will acquire the knowledge necessary for your development in a short time. The formula of our courses allows you to learn the important, regardless of the training chosen and to make you practice it so that you incorporate the learning quickly and sustainably.

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## Vue.js Training

### Introduction to the [Vue.js Training](#)

#### Installing Vue.js

- Architecture and Core Features
- Development Tools
- Command Line Interface (CLI)

#### Getting Started with the Framework

- Understanding the Instance Concept
- Working with Templates
- Understanding the View Layer
- Passing Data to the View
- Data Binding
- Understanding Directives
- Understanding Filters

Handling Events  
Styling Components  
Using Loops and Conditional Rendering

## Advanced Concepts

Managing Routing  
Making AJAX Requests  
Creating a Custom Filter  
Creating a Custom Directive  
Building a Component  
Extensions and Plugins

## Recommended Training

[TypeScript Training](#)

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# Training in Statistical Analysis and Data Preparation with R

## 1. Data Preparation

- Identifying Missing Data in R
- Simple Imputation in R
- Multiple Imputation in R
- Random Forest Imputation in R
- Imputation Using Mean LOD
- Handling Censored Data
- Assessing Imputation Quality in R
- Sensitivity Analysis in R

## 2. Quality Index Analysis

- Analysis of Variance (ANOVA) in R
- Tukey HSD Test
- Kruskal–Wallis Test in R

## 3. Factor Analysis and Multivariate Regression in R

- Principal Component Analysis (PCA) in R
- Multivariate and Binary Regression Models in R

## 4. Trend Tests and Time-Based Analysis

- Performing the Mann–Kendall Trend Test in R
- Time Series Analysis and Lomb–Scargle Periodogram in R

## 5. Time Series Modeling

- Time Series Models (ARIMA, SARIMA) in R

## Related Training

[R Programming, RStudio, and Tidyverse Course](#)

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# Training for architects

At Doussou Formation, we offer training on the most advanced tools for engineers and professionals in 3D modeling and design. Our courses, delivered by experts, cover a wide range of industry-recognized software to meet your specific needs in design, animation, and rendering. Discover below the training programs we offer:

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3ds Max combined with V-Ray is an industry standard for high-end architectural visualizations thanks to its ability to produce high-quality photorealistic renderings.



- 3ds Max and V-Ray
- [\[Details\]](#)

Accelerate your architectural projects with Lumion, a real-time rendering software. Learn to create ultra-realistic 3D visualizations for your architectural designs.



- Lumion
- [\[Details\]](#)

Unreal is a powerful real-time rendering engine used in architecture, gaming, and film. Our training will help you integrate Unreal into your 3D visualization projects.



- Unreal
- [\[Details\]](#)

This training will teach you how to master Twinmotion to create real-time architectural renderings, including animations and immersive visualizations for project presentations.



- Twinmotion
- [\[Details\]](#)

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Blender is an open-source software capable of everything from 3D modeling to

animation and complex simulations. Learn to create complete projects with guidance from our expert instructors.



- Blender
- [\[Details\]](#)

Vantage allows you to create ultra-fast photorealistic renderings. This training is ideal for those wishing to integrate high-end visualizations into their workflow.



- Vantage
- [\[Details\]](#)

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ZBrush is the industry standard for digital sculpting. Learn to create detailed characters and 3D models used in films, video games, and animations.



- ZBrush

- [\[Details\]](#)

Autodesk Maya is a key tool for animation and visual effects. This training will teach you how to create animations and 3D models for your projects.



- Maya
- [\[Details\]](#)

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## Why Choose Doussou Formation?

- **Certified instructors** who are experts in their field.
- **Personalized approach** with hands-on workshops tailored to your needs.
- **Professional certificates** available at the end of each training.
- **Flexible learning options:** online or in person depending on your preference.

Join our training programs and develop advanced skills on the software tools that will make a difference in your engineering, design, and visualization projects.

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Feel free to contact us for more information or to register for our training sessions.

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By email: [info@doussou-formation.com](mailto:info@doussou-formation.com)

# Python and Data Science Training – Complete Tour

## Introduction to the Python and Data Science Course – Block 1

- Variable types (integer, float, boolean, etc.) and basic operators;
- Data structures (list, tuple, dictionary, etc.);
- Flow control (if-else, try-except-finally);
- Loops (for, while);
- Combining flow control and loops;
- Functions and methods (function(object) and object.method());
- Importing external modules to access additional functions and methods;
- Syntax principles and best practices.

## Introduction to Python – Block 2

- Managing modules;
- Administering the operating system;
- Extracting data from the web (web scraping);
- Cleaning and transforming data using the regex module;
- Working with time using the datetime module.

## Introduction to Data Science

- Jupyter Notebook, Spyder, and other tools;
- Introduction to NumPy;
- Introduction to Pandas – Series objects;
- Introduction to Pandas – DataFrame objects;
  - Extra: Introduction to Pandas – Instructions;
  - Extra: Tidy Data;
- Groupby operations and aggregations;
- Data collection from Web APIs and analysis;
- Data visualization;
  - Extra: Geospatial visualization.

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# Blender Training – Architecture and Design

## Introduction to Blender Training

- Blender interface and navigation
- Project import (Revit, SketchUp, 3ds Max)

## Modeling in Blender

- Polygon modeling
- Curves
- Physics-based modeling
- Parametric modeling
- Environment creation

## Materials and Textures in Blender

- Material application
- Specific materials

## Lighting in Blender

- Natural sunlight
- Artificial lights
- Lighting study by time zone and specific periods

## Rendering in Blender

- Camera settings and manipulation
- Ray-traced rendering (Cycles)
- Real-time rendering (Eevee)
- Blender animation sequence production
- Blender post-production

## You may also be interested in

- [Unity 3D Training](#)

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# Training: Fundamentals of Artificial Intelligence for Engineers and Technicians

## Fundamentals for Understanding Artificial Intelligence

- Introduction to key AI concepts: algorithms, ML, DL, and LLM.

- Exploration of algorithms integrated into ML, DL, and LLM.
- The importance of mastering Machine Learning before tackling Deep Learning and LLMs.

### Module 1: Overview of Main Deep Learning Models

- Introduction to core Deep Learning concepts and neural networks.
- Overview of Deep Learning applications and limitations.

### Module 2: Overview of Main Large Language Models (LLMs)

- How LLMs work and understanding their applications.
- Exploration of the limits and challenges of LLMs.

### Module 3: Introduction to Machine Learning

- Fundamental concepts of Machine Learning.
- Overview of commonly used ML algorithms.
- Why ML is a key step before DL and LLMs.

### Module 4: Machine Learning Models

- Supervised learning: theoretical principles and practical examples.
- Unsupervised learning: methods and use cases.

### Module 5: Using PyCaret for Machine Learning

- Installing and configuring PyCaret.
- Exploring the models available in PyCaret.
- Handling datasets for Machine Learning tasks.

### Next Step After This Training

[OpenAI Training for Developers](#)

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# FileMaker Pro Training

## Introduction to [FileMaker Pro Training](#)

- What is a database?
- Overview of FileMaker Pro software

## Overview of [FileMaker Pro Features](#)

- Creating a new file

- Understanding the FileMaker Pro environment

## Creating a File

- Creating a field
- Types of available fields
- Editing fields

## Understanding the Different Work Modes in FileMaker

- Browse Mode
- Layout Mode
- Find Mode
- Preview Mode
- Switching between modes

## Working in Browse Mode

- Creating records
- Deleting records
- Entering data
- Using indexes and value lists

## Working in Layout Mode in FileMaker Pro

- Creating a layout
- Modifying a layout
- Using predefined layouts

## Working in Find Mode in FileMaker Pro

- Creating a query
- Modifying a query
- Performing global searches
- Performing specific searches

## Working in Print Mode in FileMaker

- Print preview
- Printing a data sheet
- Printing a table structure

## Collaboration with Other Software

- Importing/Exporting data
- Saving a database

## Formatting Fields

- Date, time, number, and text formats
- Formatting and deleting a layout

## Creating Reports in FileMaker Pro

- Creating reports using the wizard
- Generating statistics

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# SQL Training for SQL Server

## Introduction to [SQL Server Training](#)

Overview of the [SQL Server](#) course

- Definition of a database and the different types of objects

## Data Manipulation Language (DML)

- Inserting rows (INSERT)
- Inserting multiple rows
- Inserting from a SELECT statement
- Updating with UPDATE
- UPDATE with subqueries
- Deleting records (DELETE)
- *Practical workshop*: Modifying the content of our database

## Data Query Language (DQL)

- Data types (date, float, etc.)
- Selecting data: SELECT
- TOP, WHERE, HAVING, and other criteria
- Joins: INNER / LEFT / RIGHT / OUTER
- Creating and modifying data: INSERT / UPDATE / DELETE

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# The Most Comprehensive Power BI Training

## Introduction to the [Power BI Training](#)

## Review of **Power BI** Fundamentals

- Power BI Desktop principles and workflow
- Connecting to data with Power BI
- Preparing data in the Power Query editor
- Transformations in the Power Query editor
- Creating folders / organizing in Power BI
- Merging / combining queries in Power BI
- Hands-on workshop: transforming imported data

## Importing a Pivot Table (Excel)

- Removing totals
- Merging cells
- Unpivoting columns

## Modeling in Power BI

- Relationships
- Option configurations
- Understanding cardinality

## Data Model in Power BI

- Flat table
- Star schema
- Relational model
- Table layout
- Workshop: create a star schema from an Excel file
- Workshop: manage a relational model in Power BI

## Date Table (Calendar) in Power BI

- Why add a date table
- Create a date table in DAX
- Configure the date table in DAX
- Sort columns
- Mark as date table
- Manage multiple date columns

## DAX Data

- Introduction to DAX
- Measures and columns
- DAX formulas

## Visualization in Power BI

- Principles of Power BI visualization
- Creating visuals



- Creating a report – ergonomics
- Creating a report – setup
- Histograms
- Line charts
- Pie charts
- Simple table
- Conditional formatting
- Creating a matrix (pivot table)
- Interaction between visuals / customization