

Formation - Introduction to Data Science and Analytics for O&G Professionals



DABASIC-EN-D



Distanciel



1 jour

This course aims at introducing data science and analytics, which aims at extracting knowledge from raw data to build data-driven models. It will introduce the workflow involving data exploration, preprocessing and machine learning modeling

Niveau

Découverte

Public

O&G professionals getting involved in Data Analytics and Machine Learning projects

Objectifs

Attendees will be able to implement the following skills:

- Understand the data science and analytics objectives (data science, analytics and machine learning)

Pédagogie & ressources techniques

- Participative lecturing
- Case studies
- Team work/mini-project

Évaluation des acquis

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prérequis

No prerequisites are necessary to follow this course

Responsable

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Programme

INTRODUCTION TO DATA SCIENCE & ANALYTICS

Concept of data science.
Data analytics.

DIFFERENT LEVELS FOR DATA ANALYTICS

Descriptive.
Diagnostic.

Predictive.
Prescriptive.
Cognitive (AI).

DATA ANALYTICS PRINCIPLES

Data statistics (univariate, bivariate, distributions).
Data ranking (correlation matrix, principal component analysis, fuzzy logic).

DATA ANALYTICS WORKFLOW

Exploratory data analysis.
Data preprocessing.
Machine learning models.

SOME O&G APPLICATIONS

IFP Training est référencé au DataDock. Rapprochez-vous de votre OPCO pour connaître les possibilités de financement de cette formation.
Pour vérifier l'accessibilité de cette formation à une personne en situation de handicap, contactez notre référent à l'adresse suivante :
referent.handicap@ifptraining.com