

## PARCOURS DATA

### Data Pioneer

**REF : DDC-DP-003**

**DUREE : 15h**

**À distance Classe virtuelle**

#### PUBLIC

This program is for anyone who wants to use their data to be more productive and perform more relevant analyses.

Modalités et délais d'accès : les inscriptions sont fermées 24h avant la 1ère journée de formation.

Accessibilité : Si vous avez des contraintes particulières liées à une situation de handicap, veuillez nous contacter au préalable afin que nous puissions, dans la mesure du possible, adapter l'action de formation.

#### PREREQUIS

No pre-requisites are required to follow this training.

#### MODALITES PEDAGOGIQUES

- Training distant, synchronous, with the trainer by videoconference
- Pedagogical sequencing built and adapted to the distant organization mode
- Instructor and trainee screen sharing for presentations, demonstrations and implementation verification
- Delivery of a digital pedagogical documentation during the training course
- The training is made up of theoretical contributions, practical exercises, reflections and experience feedback.
- Real-time interaction with the trainer in a virtual classroom. (webcam, microphone, screen and chat).

#### MODALITES D'EVALUATION

One hour of exercises on practical cases + readings and self-assessments and regular reviews (Mobile Learning)

#### OBJECTIFS PEDAGOGIQUES

- Capture new information without limits to manage my activities more efficiently.
- Design lean and sustainable processes to spend less time doing calculations and more time analyzing and innovating.
- Influence my colleagues upstream and downstream of my analysis processes to ensure reliable and quality data flows.
- Lead with vision & creativity and support my organization in a rapidly changing digital world.

#### PROGRAMME

##### WHY SO MUCH ADO ABOUT DATA?

- Data is More strategic than you think
- The concept of Digital Darwinism
- How do you start your transformation?
- Is Raw Data like Crude Oil?
- How to Become Data-Efficient

1. Start with the Right Question
  - Why so much ado about Data?
  - Start with the Right Question?
  - Know your Technology
  - Cardinal Rules for Data
  - The Real Big Data Value
  - Leadership and Change
  - Drive Process Efficiency
  - Bring on the 7th Element

2. Know your Technology
  - Why Technology?
  - The 2 families of systems
  - The Transactional Systems
  - The Decision Systems

##### FOCUS ON THE DECISIONAL SYSTEMS

- The Middleware
- The Database
- The Analytics Solutions
- The Reporting Solutions
- Performance Management and Analytics Applications
- Decision vs. Transaction – A blurrier line?
- Implementation and Management of Decisional Solutions

3. "Fluidify" your Data
  - What is Data?
  - The Value of Data
  - The flat file: The Swiss Knife of Data
  - Database Types (Txt, SQL - Relational DB, Olap - "Multidimensional" DB, Columnar Database, NoSQL)
  - What is ACID?



Evaluation of the acquired knowledge via an online test at the end of the course and the realization of a practical case.

LePont and Berkeley Global certifications awarded to the learner.

DIGITT certification option (+175€HT)

End of internship certificate given to the trainee

## THE 3 ASPECTS OF DATA

- Structure
- Role
- Format
- The Common Structure of Data Storage
- The Table

## THE 4 ROLES OF DATA

- The Measures
- The Attributes
- The Calculations
- The Keys

4. Get The Real Big Data Value
5. Leadership and Change
6. Process Efficiency
7. The 7th Element

## BIG DATA CHARACTERISTICS

- Volume
- Velocity
- Variety
- Building a Holistic View is the Holy Grail

## CLASSIC AI/ML APPROACH

- Multivariable Correlations to detect casualties
- Classification to predict outcomes
- Clustering to group in smarter ways (third parties, transactions, products, markets)
- Advanced Visualization

## KEYS TO HOLISTIC DATA

- Why 70-80 % of data projects fail
- Team Dynamics
- Management and Leadership evolutions
- The Change Curve
- The Sustainability dilemma
- The 4 (secret) Super Powers
- Streamline your "Creeper" Processes
- The Hawthorne Effect: Measurement drives behavior
- Excellence is an art won by training
- The real value of manual spreadsheet-based processes
- Reporting Checklists
- Lean processes and Swarm Intelligence
- How to get started today
- Why be resilient
- What is at stake for one's career

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