

PARCOURS DATA

Data Pioneer

REF : MOD_2021180

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,

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



microphone, screen and chat).

MODALITES D'EVALUATION

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

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

- Database Types (Txt, SQL - Relational DB, Olap - "Multidimensional" DB, Columnar Database, NoSQL)
- What is ACID?

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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