

Data Science and Blockchain

Course Content –

1. How we got to now: the digital data transformation

- The origin of data-driven approaches in government, academia and business
- Progress in data factor markets
 - Data connectivity
 - Data storage
 - Data processing
- Quantification of everything
 - IoT
 - Smart Cities
 - Wearables
- A brave new world of perfect information

2. Where data science is headed: the coming datapocalypse

- The dependency of data science on the theory of variance
- Why data centralization will kill traditional data science
- Why most organizations are will be prepared for the coming wave of data
- Why most organizations are totally unprepared for blockchain data

3. Why blockchain is the solution for data science

- Blockchain as a data engineering solution
 - Defined quantification
 - Data completeness
 - Data trustworthiness
- Blockchain as a data analytics solution
 - Data access and preparation

- Data scope and data totality improvements
- New data science frameworks

4. Examples of successful blockchain data science projects

- Use cases by vertical
 - Finance
 - Ecommerce
 - Healthcare
 - Fintech & SaaS
- Use cases by organizational type
 - SMBs
 - Enterprises
 - Government
 - NGOs
- Use cases by organizational department
 - Business Intelligence
 - Marketing
 - Customer Experience Management
 - Procurement & Fulfillment

5. How to get started with your first blockchain-based data science project

- Offensive strategies for adopting blockchain into data science workflows
 - Data maturity stage audit
 - Prioritizing blockchain data science projects
 - Build or buy blockchain data science solutions

- Defensive strategies for adopting blockchain into data science workflows
 - Competitive intelligence and secondary research
 - Macro metric correlations for blockchain data science models
 - Game theory and “best response” actions