Data Science and Blockchain

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

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 ill prepared for the coming wave of data

- Why most organizations are totally unprepared for blockchain data

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

Examples of successful blockchain data science projects

- Use cases by vertical

  - Finance

  - Ecommerce

  - Healthcare

  - Fintech and SaaS

- Use cases by organizational type

  - SMBs

  - Enterprises

  - Government

  - NGOs

- Use cases by organizational department

  - Business Intelligence

  - Marketing

  - Customer Experience Management

  - Procurement and Fulfillment

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

Key Features of Data Science and Blockchain

- **Comprehensive Dual Focus**: Explore blockchain technology and data science together.
- **Hands-On Analytics**: Work with blockchain datasets and machine learning tools.
- **Secure Data Solutions**: Learn to design decentralized, secure data systems.
- **Real-World Applications**: Case studies and projects across key industries.
- **Capstone Project**: Apply concepts to solve a real-world problem and present findings.