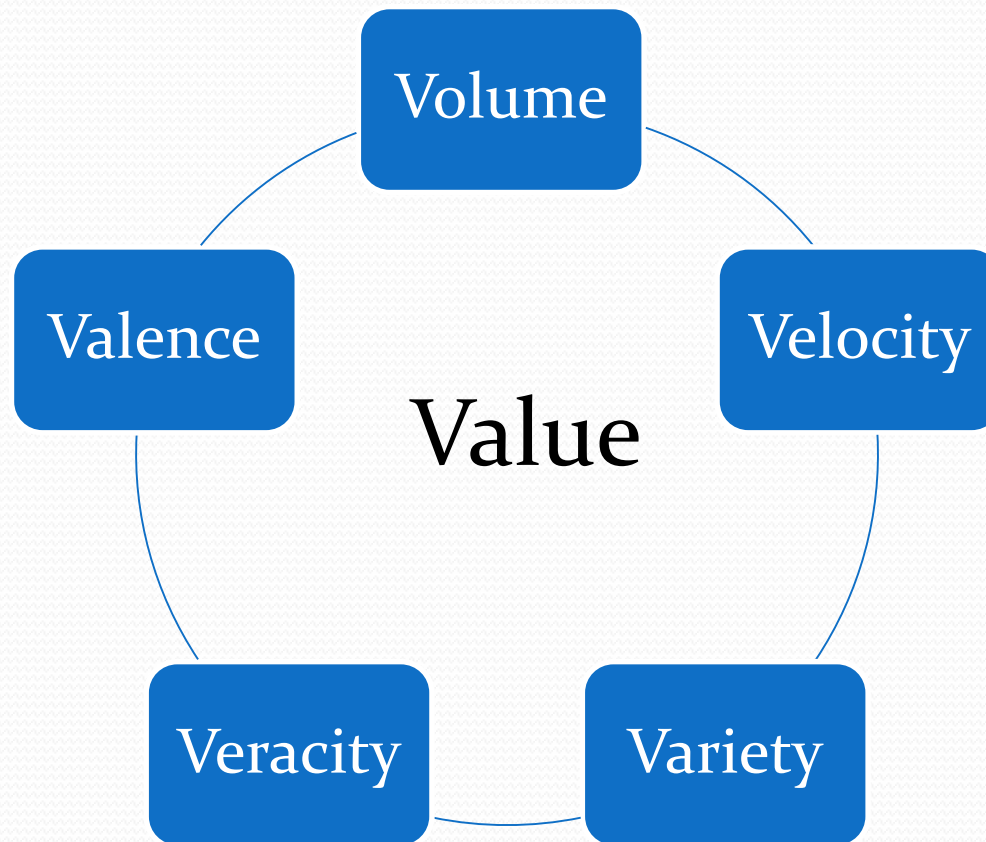


Big Data Analytics in Rail Freight

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Characteristics of Big Data



Steps in Big Data Analytics

- Acquire : Data is structured or unstructured
- Prepare : Exploring & Preprocessing
- Analyse : Modeling & Analytical Techniques
- Reporting : Presentation of the results
- Act : Acting on the actionable results gained

Challenges for the Rail Freight Sector

- Data : Ingestion, Storage & Quality
- Choice of the areas : Scope
- Technologies at work
- Real Time Monitoring
- Big Data Management Infrastructure

Opportunities

- Predictive maintenance
- Better Asset reliability
- Precision maintenance
- Increased Serviceability
- Safety in Operations



Thanks