



Introduction to Supply Chain Analytics



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THE IMPORTANCE OF SUPPLY CHAIN ANALYTICS IN BUSINESS





Benefits of Supply Chain Analytics



Better demand forecasting



Better responsiveness



Increased ROI



Enhanced visibility across the supply chain



Readiness to future disruptions



Better relationship with suppliers



Better cash management

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SUPPLY CHAIN ANALYTICS

Capabilities in Supply Chain Analytics



Plan

Demand
Forecasting

Plan Compliance
Analytics

SKU
Rationalization



Source

Supplier Risk
Assessment

Commodities
Research

Spend
Analysis



Make

Optimizing
Production Plans

Asset Utilization
Analytics

Cost to
Manufacture



Store

Resource Usage
Analytics

Inventory
Optimization

Inventory
Wastages Analytics



Deliver

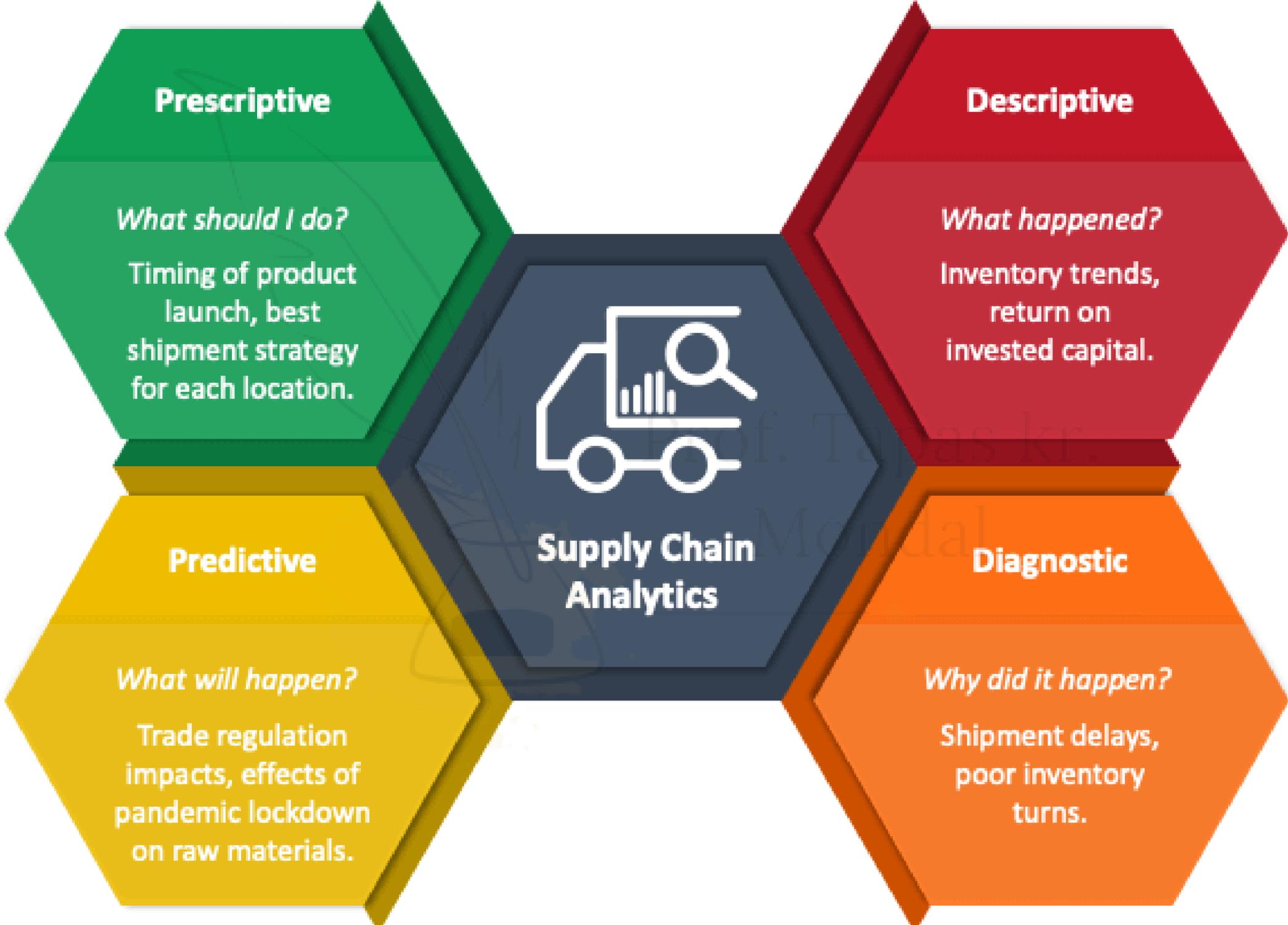
Network
Optimization

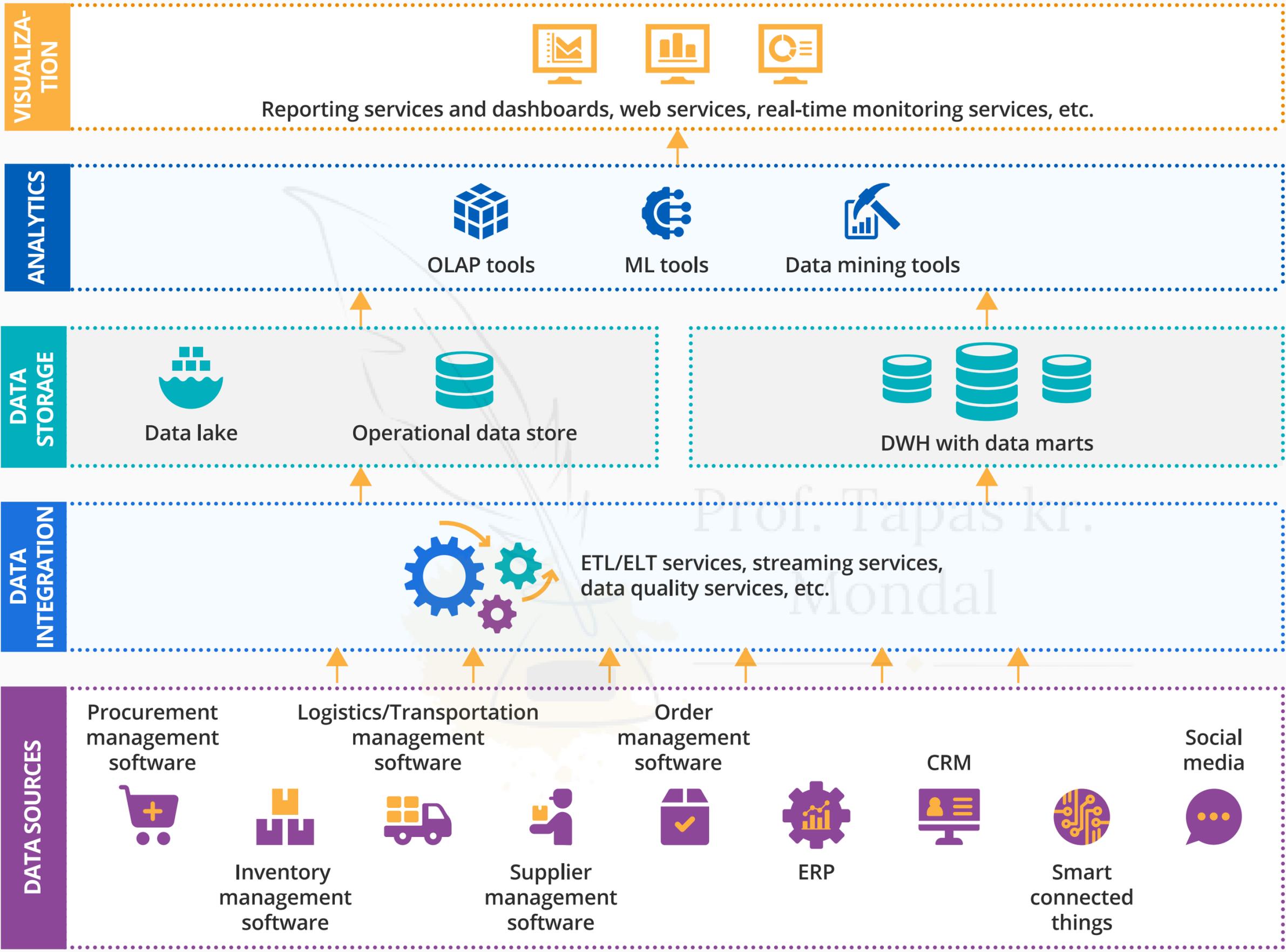
Cost to
Serve

Logistics
Analysis

SUPPLY CHAIN ANALYTICS

Types of Supply Chain Analytics



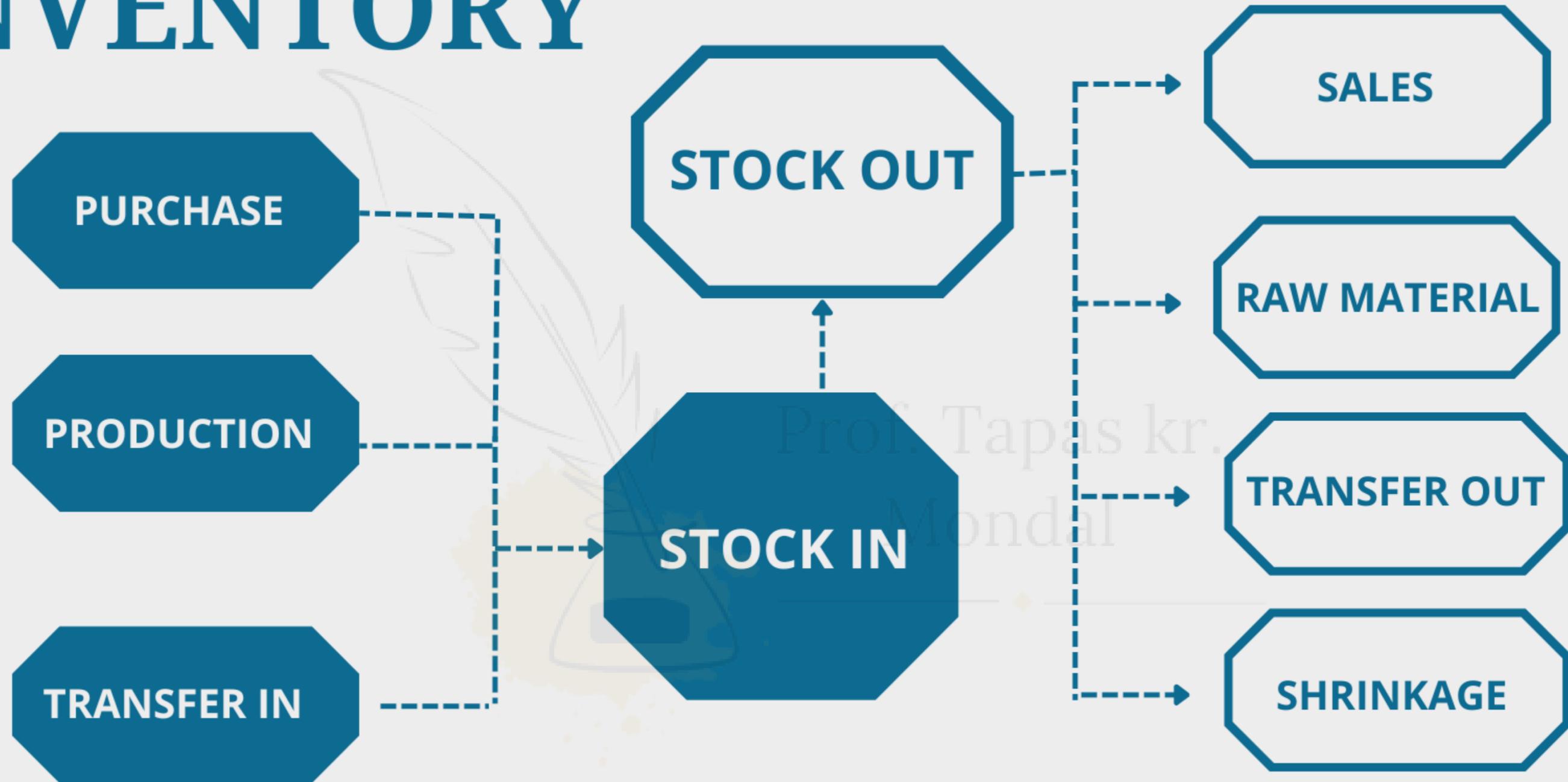


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Steps to Optimize AI and Data Analytics in the Supply Chain

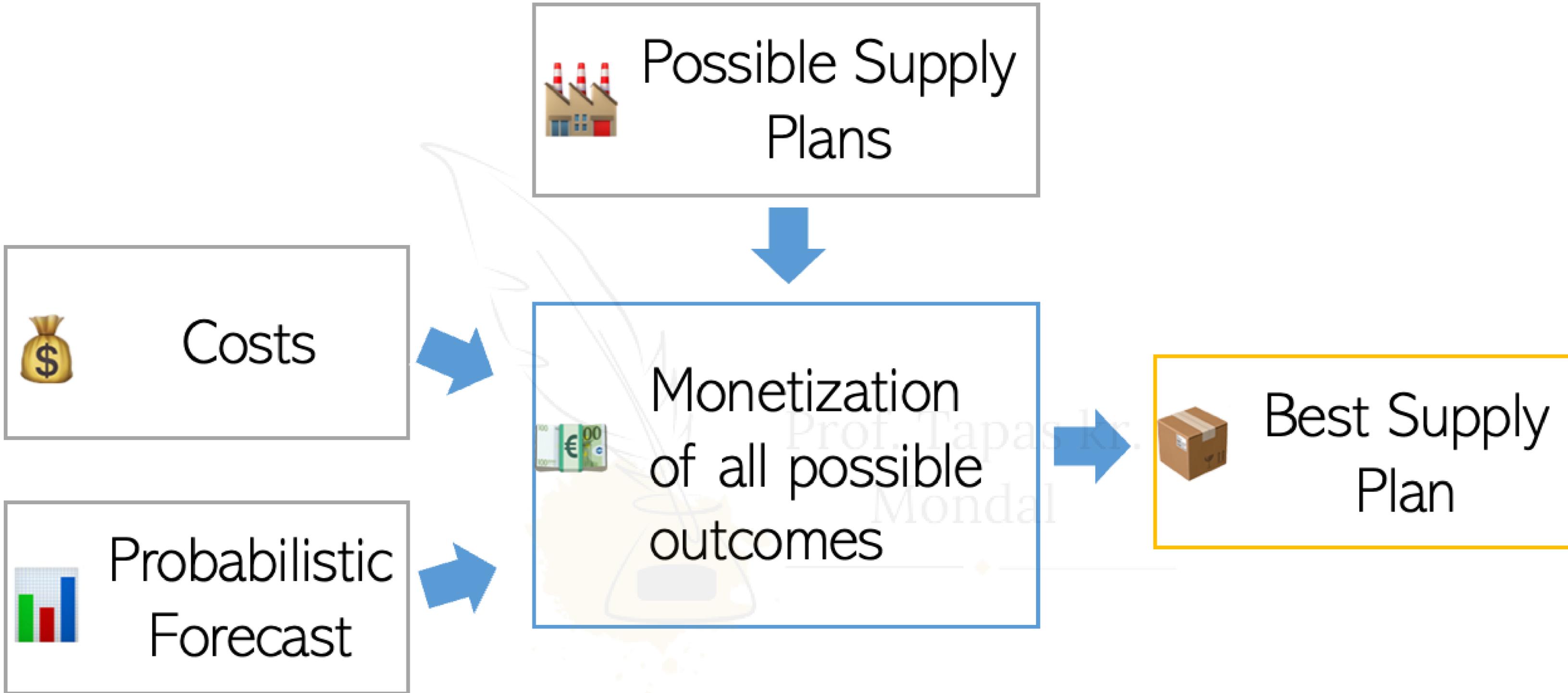


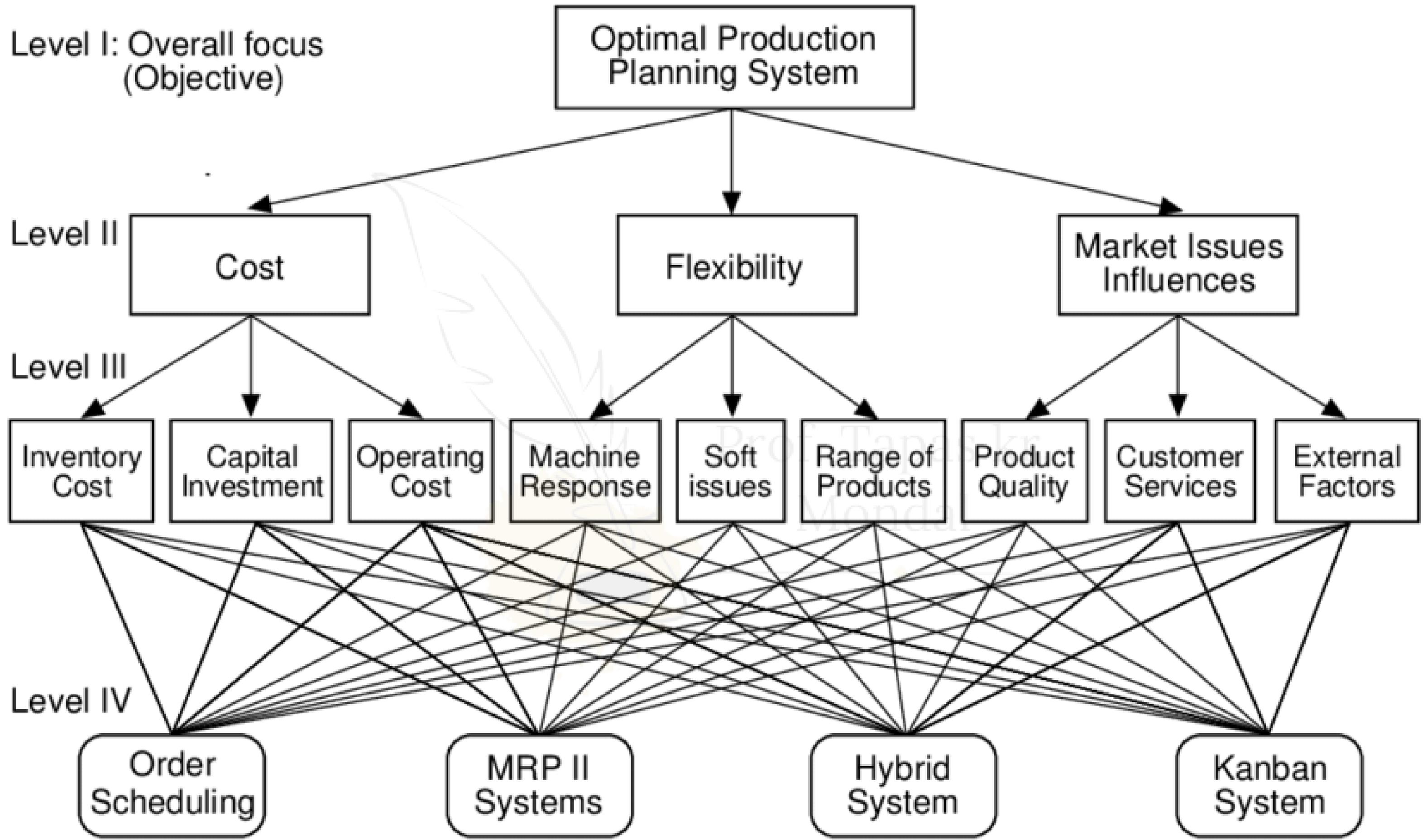
INVENTORY



Inventory Management Process







GOALS OF SUPPLY CHAIN OPTIMISATION



Supply Chain Optimization



SUPPLY CHAIN OPTIMIZATION

Some Benefits of Supply Chain Optimization

Improved Data Visibility

Adopting supply chain analytics can open up a whole new world of helpful data that can strengthen and capitalize.



Vendor Relationships

SCM software usually contains features that allow managers to compare suppliers and their structure to make meaningful choices.



Enhanced Financial Practices

Single-entry data entry may not sound exciting, but it can save valuable time, and money normally spent fixing accounting entry errors.



Lean Inventory

Optimizing your supply chain can help you ensure that you have the right amounts of products available while avoiding stock-outs.



8 distinguishing features of **Supply Chain Management** that **empower manufacturing firms**:

Automation

Leads to optimal use of space and reduced downtime of assets

Prediction

Allows organizations to find issues beforehand, preventing downtime and maintenance costs

Field service integration

This integration helps improve resource management and automate workload.

Asset management add-in

Planning, predicting and performing are enabled; extending the life and performance of equipment



IoT support

Helps in boosting uptime, throughput and quality

Built-in Machine-Learning

Helps to receive timely guidance and to manage an inventory.

Planning optimization add-in

Helps to carry out production planning in real-time

Power BI Analytics

Strengthens organizations to speed up inbound & outbound processes.

Thank You



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