

Information Session:

Supply Chain Analytics Professional Certificate Program

Supply Chain Analytics Professional Certificate Program



Transforming
Supply Chain
Management and
Performance
Analysis



Creating Business
Value with
Statistical Analysis



Machine Learning
Applications for
Supply Chain
Planning



Supply Chain
Optimization and
Prescriptive
Analytics



Program Delivery Format



THIS IS A FULLY ONLINE
(LIVE / VIRTUAL) PROGRAM



ATTENDANCE AT EACH
LIVE WEBINAR IS REQUIRED

Planning Challenges

Strategic

meet long-term goals

Supply Chain Design

Warehouse Design

Factory Layout

Tactical

Policies and procedures to support the strategy (mid-term)

Product Recommendations

Cost to Serve

Customer Churn

Revenue Management

Operating

Carrying out the policies and procedures that support the strategy (short-term)

Inventory Management

Performance Analysis / Supply Chain Visibility

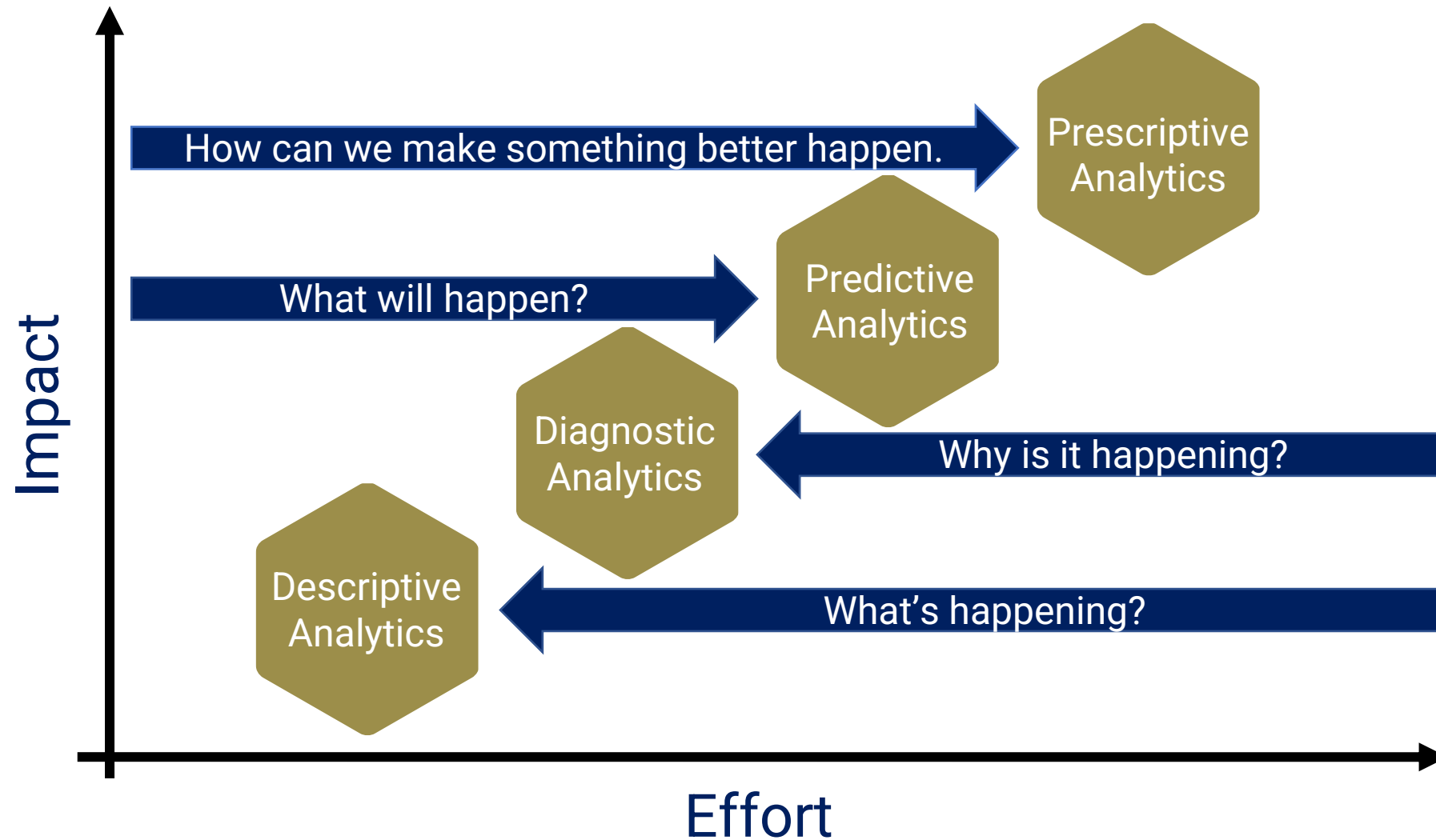
Production Planning

Predictive Maintenance

Route Optimization

Workforce scheduling

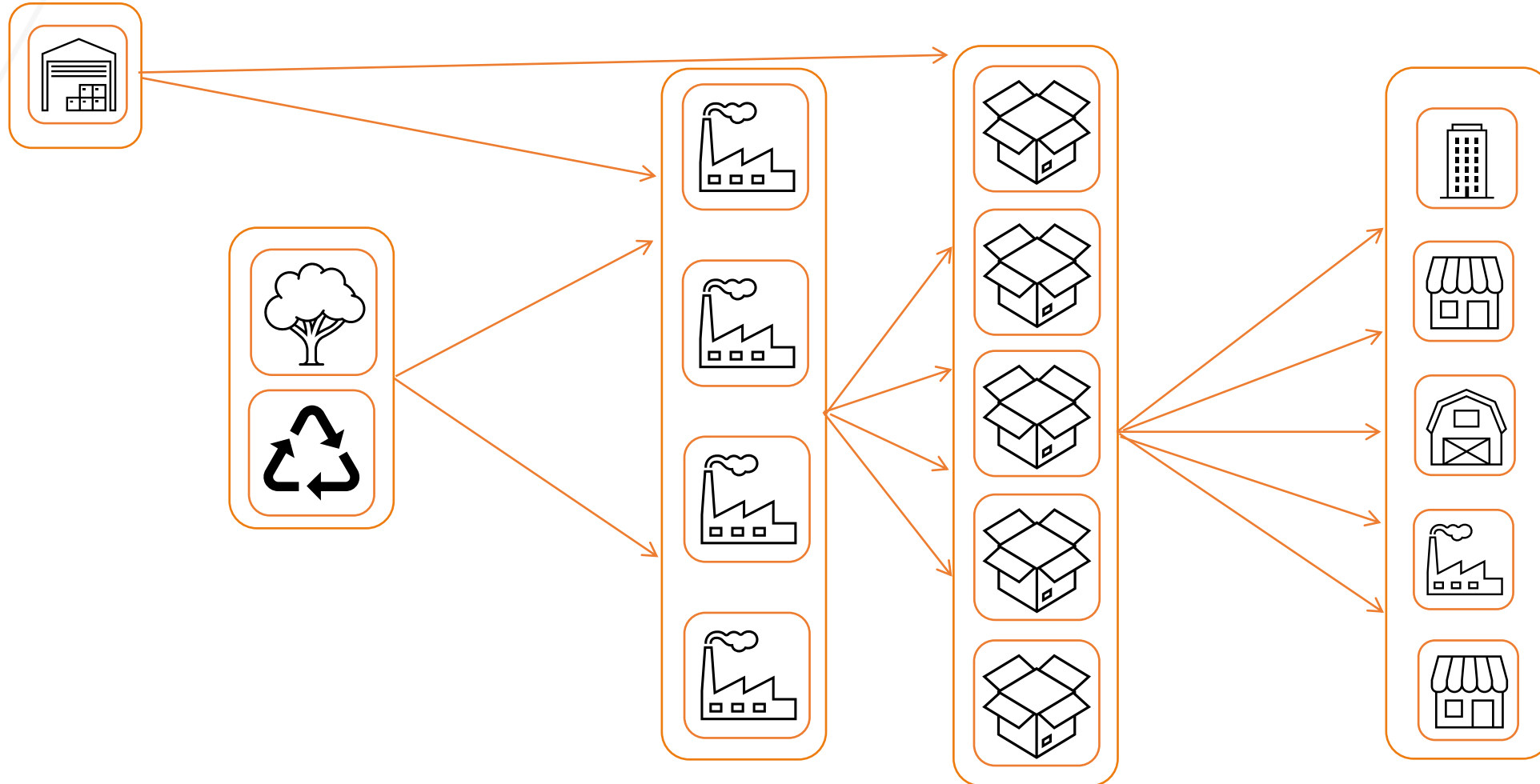
Analytics Continuum



CBC: The Cardboard Company



The CBC Supply Chain Network



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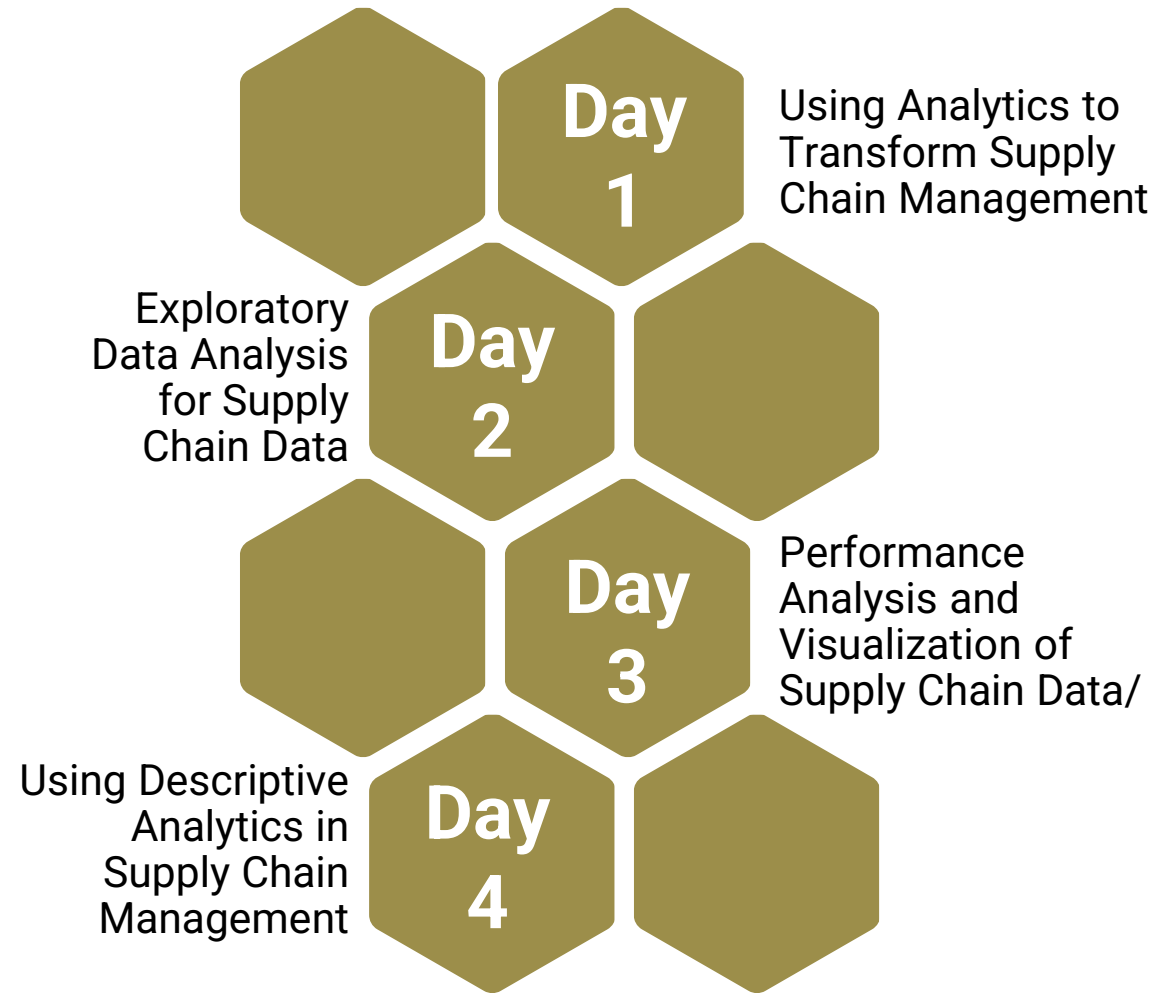
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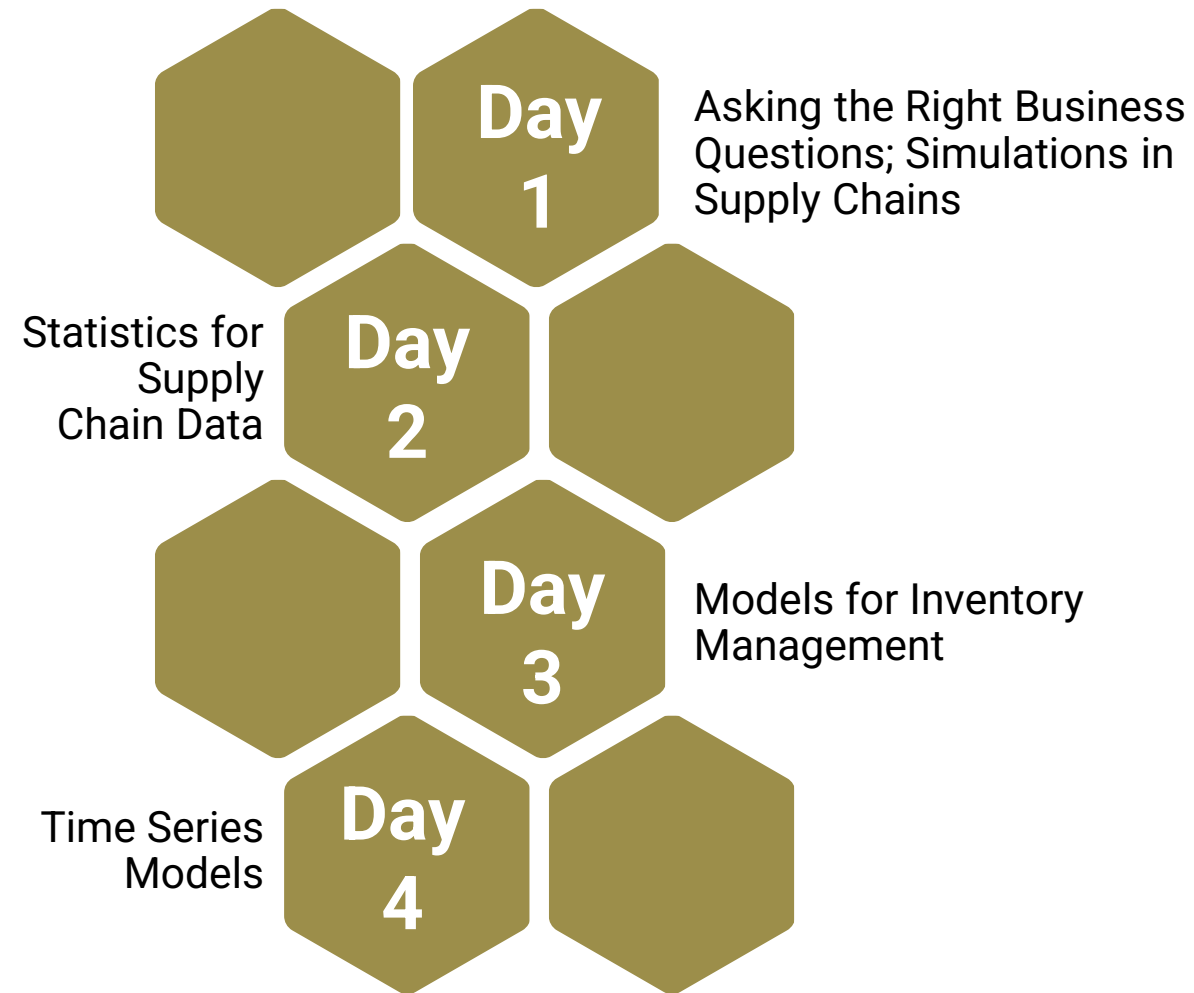
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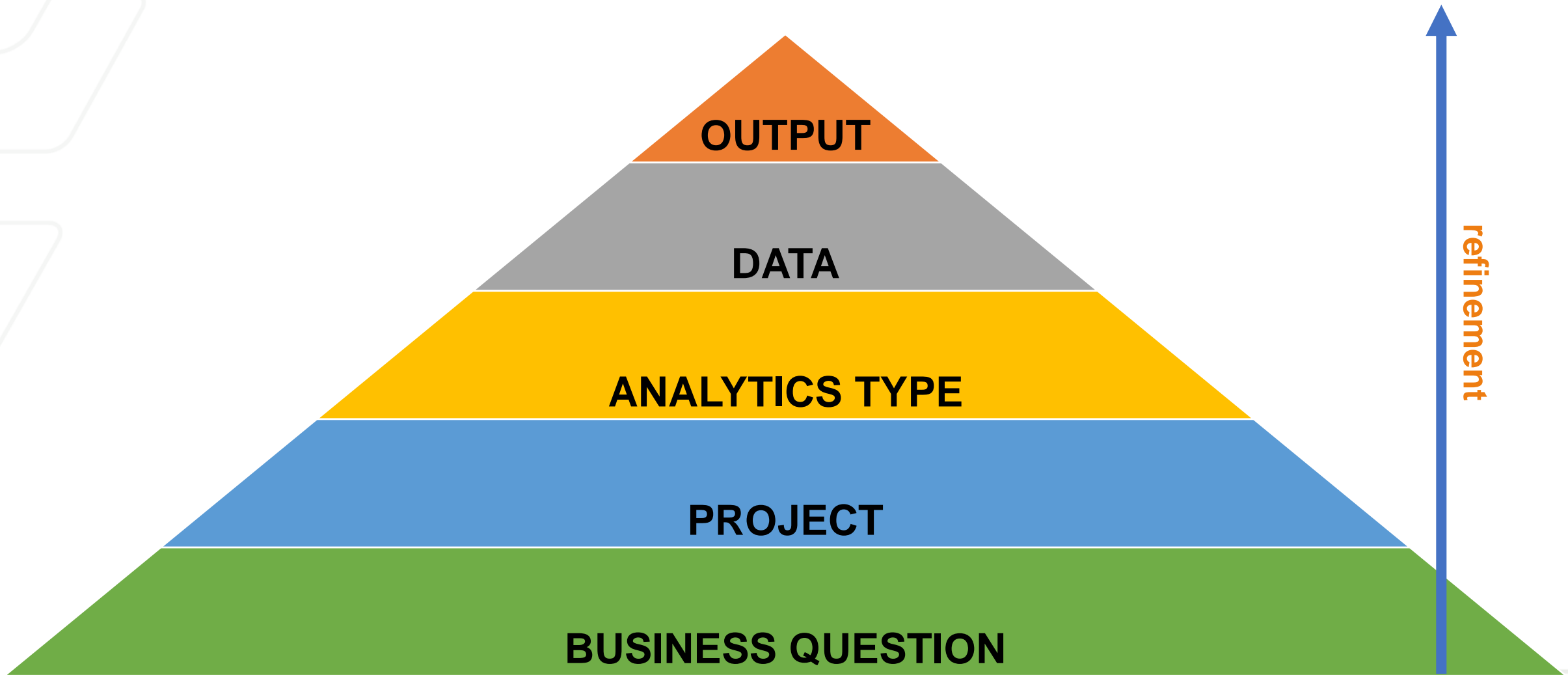
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Creating Business Value with Statistical Analysis



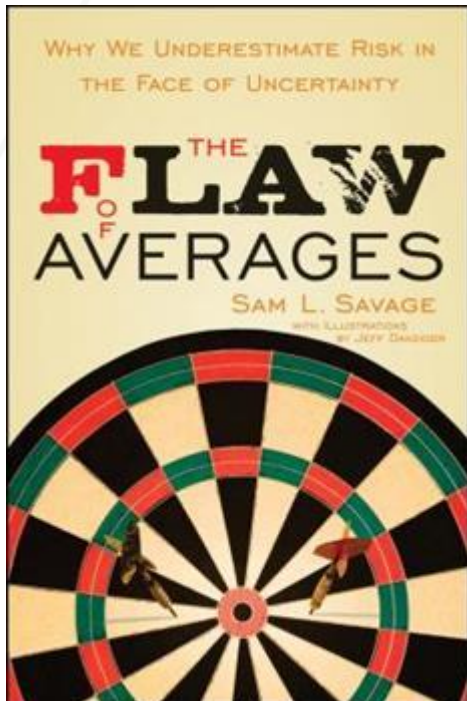
Analytics Question Framework



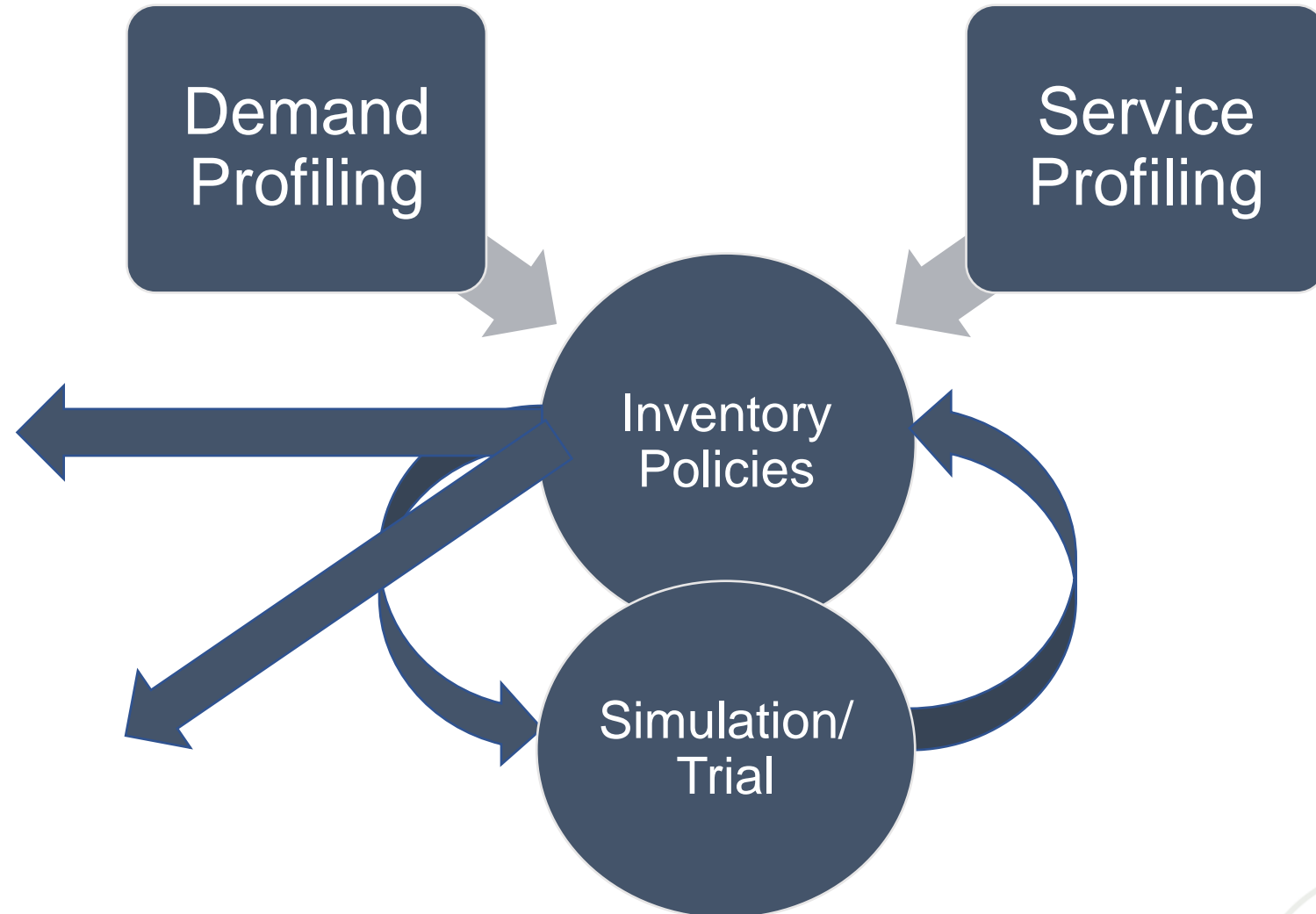


BEWARE

The Flaw of Averages



Inventory Policy: Overview



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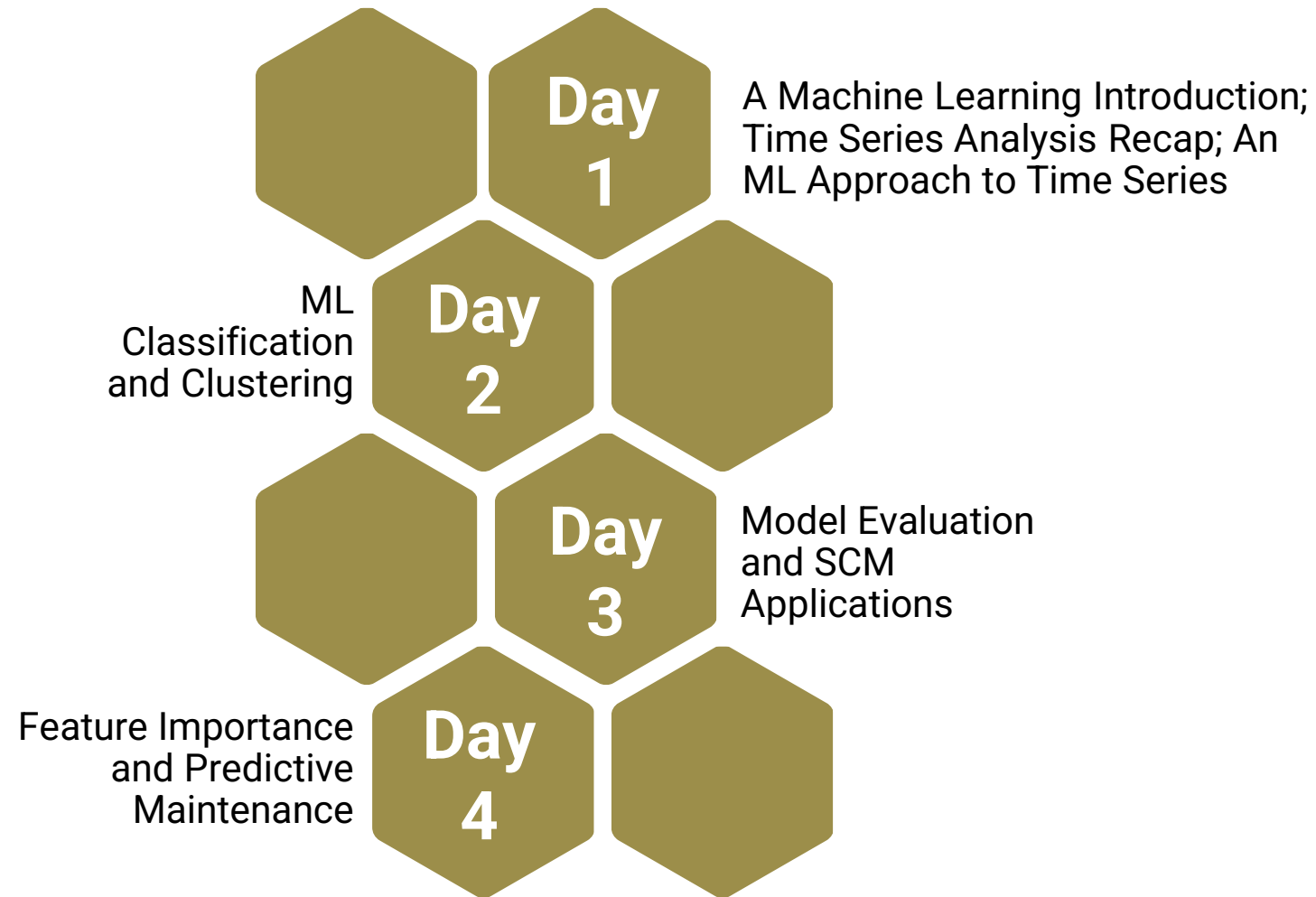
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Machine Learning Applications for Supply Chain Planning



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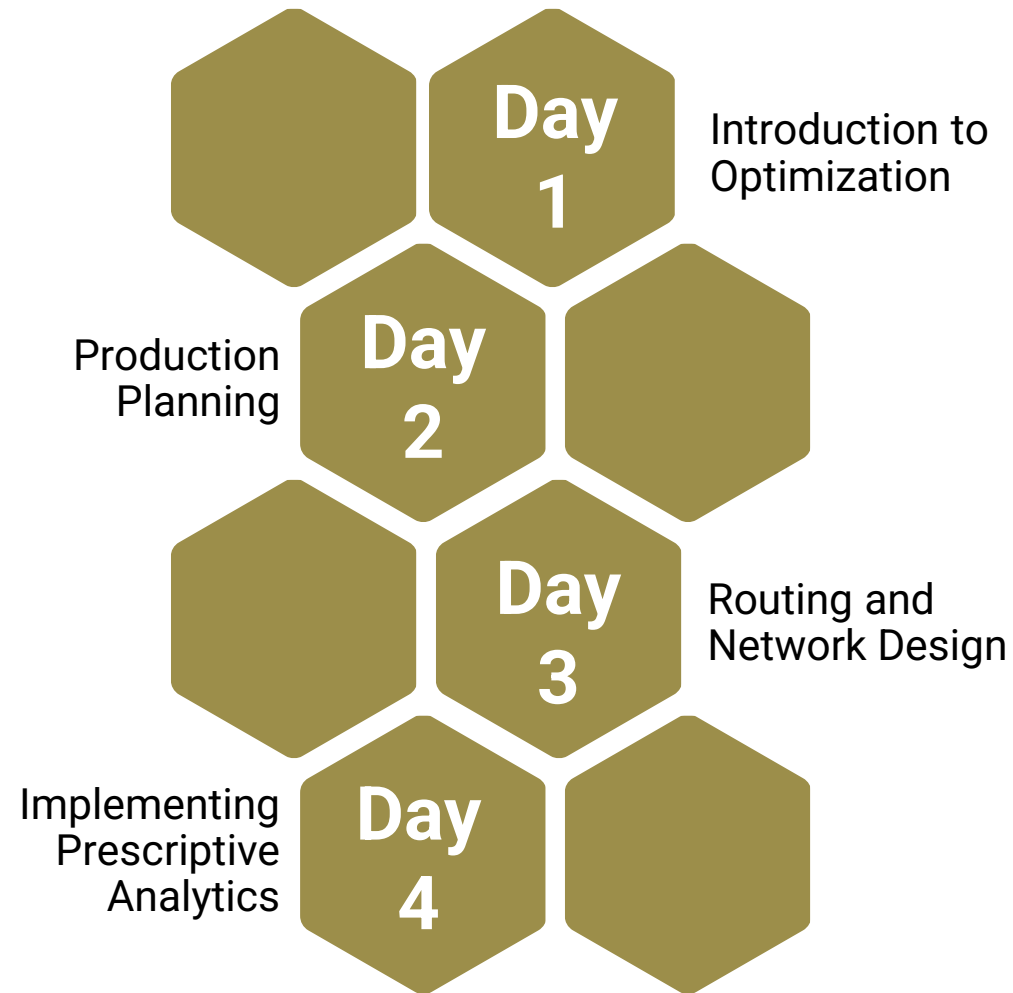
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Supply Chain Optimization and Prescriptive Analytics



Daily Schedule

12:45pm – 1:00pm ET

- Instructors join the webinar to answer questions

5:00pm - ?

- Instructors stay on the call to answer questions

1:00pm – 5:00pm ET

- Webinar with lectures, discussions, and small group activities
- Two 15 minute breaks

All other times

- Instructors available via email for questions and scheduling individual sessions

Assignments



Day 1:

- Attend webinar
- Group Discussion

Knowledge check questions



Day 2:

- Attend webinar
- Group Discussion

Knowledge check questions



Day 3:

- Attend webinar
- Group Discussion

Knowledge check questions



Day 4:

- Attend webinar
- Knowledge check questions*

- Final assignment
 - Final assessment
- Feedback survey*

Assignments are meant to help reinforce what you have learned. Not all assignments are mandatory. Discussions, attendance, the final assignment with explanations, and the final assessment are mandatory.

Before, During and After

Before the course

- Pre-course webinar
- 1-on-1 meetings
- Student survey

During webinars

- Zoom
- Canvas LMS
- Python via Google Colab
- Miro
- GT speakers

Outside of course

- Online discussions
- Makeup and review sessions
- Assignment help
- Anonymous survey

Prerequisites

Basic understanding of SCM

Basic understanding of statistics and probability

Basic Python coding skills

Basic Microsoft Power BI skills

For more information, please visit:

Georgia Tech Supply Chain and Logistic Institute

scl.gatech.edu/education/professional-education

Supply Chain Analytics Professional Certificate

pe.gatech.edu/supply-chain-analytics-professional-certificate

For program and certificate questions, email us:

info@scl.gatech.edu

For questions about courses, email us:

course@scl.gatech.edu