SUSS Learning Analytics Journey

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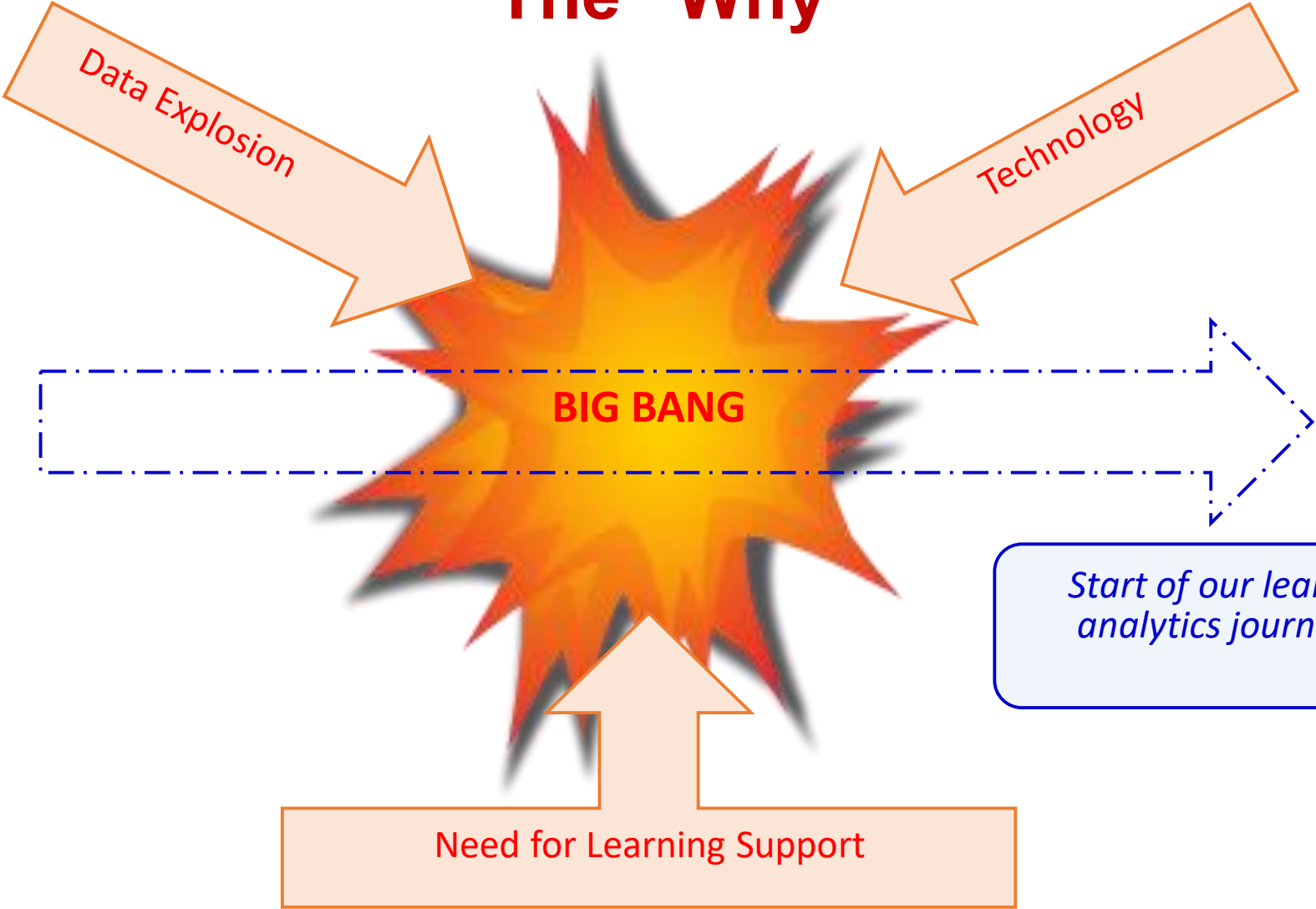# **Agenda**

The "Why"

The "How"

The "What"

  - Student Profiling

  - Student Advisory

  - Early Alert System

Critical Success Factors

3 Takeaways

The "Why"

Data Explosion

Technology

BIG BANG

Start of our learning analytics journey …

Need for Learning Support

Need for Learning Support

SUSS: A University with Various Pathways for Lifelong Learners

SUSS Education

Adult Learners' Profile

SUSS Graduates
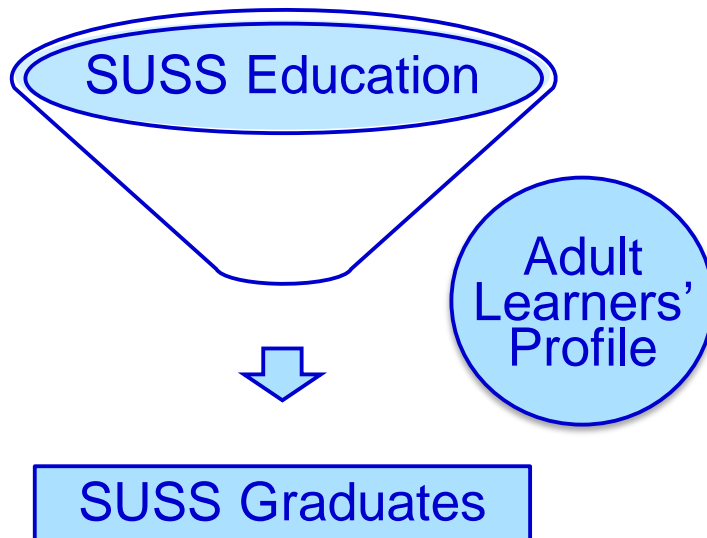
Working adults with competing demands on their time

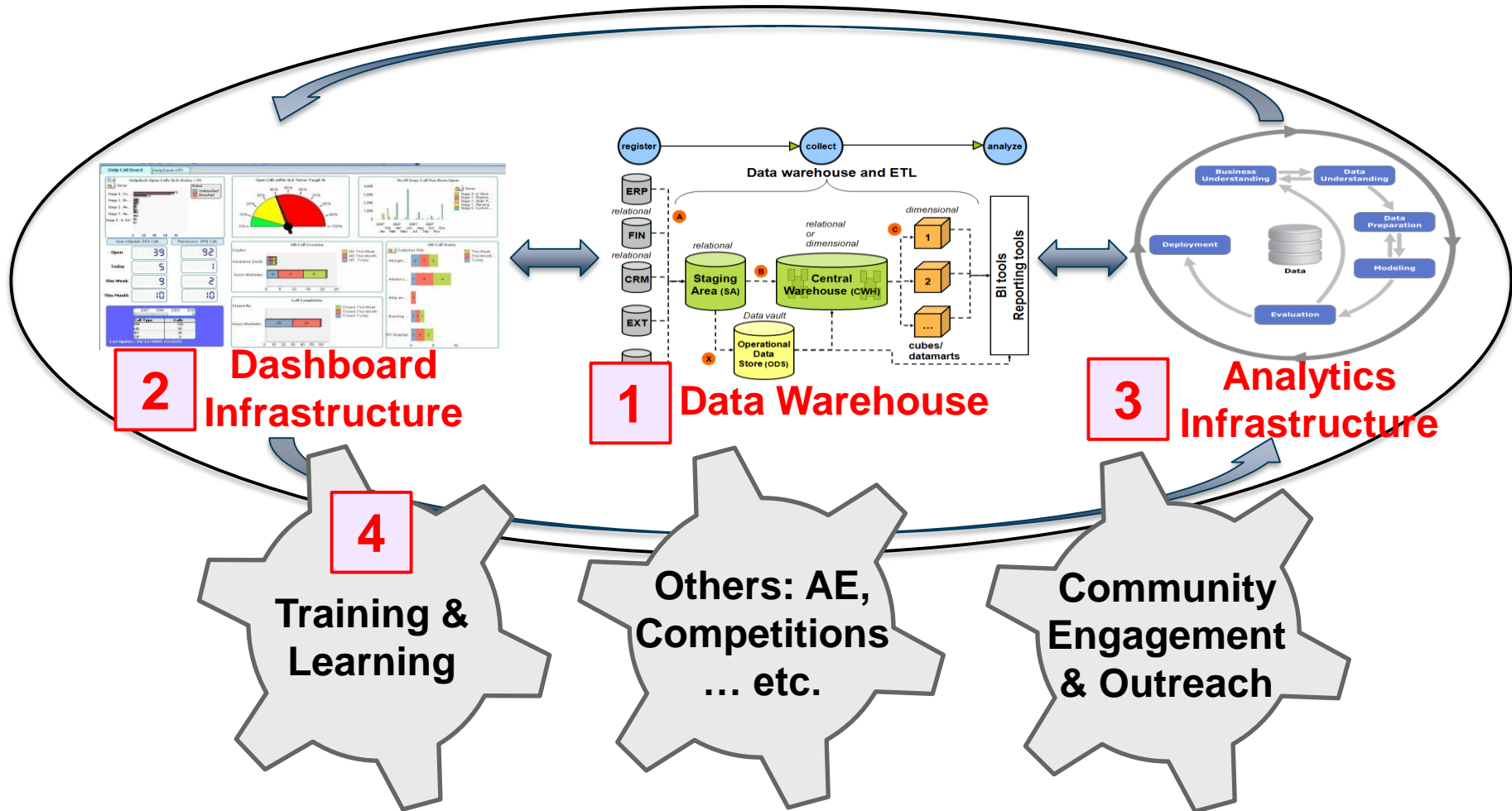Learners who have left study for a while and need additional help

Learners with work experience who need to build up their learning skills

It is all about Learning Support
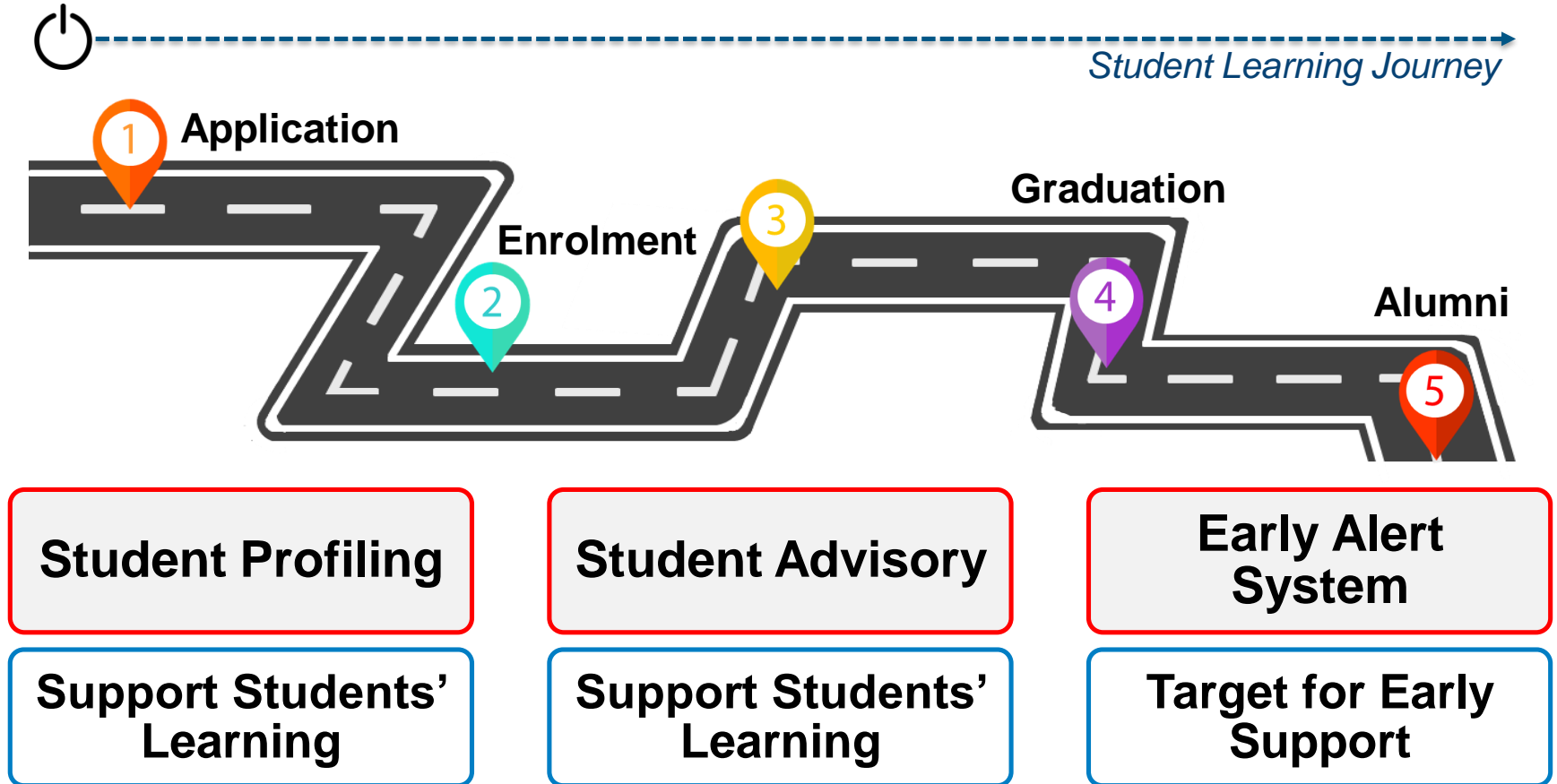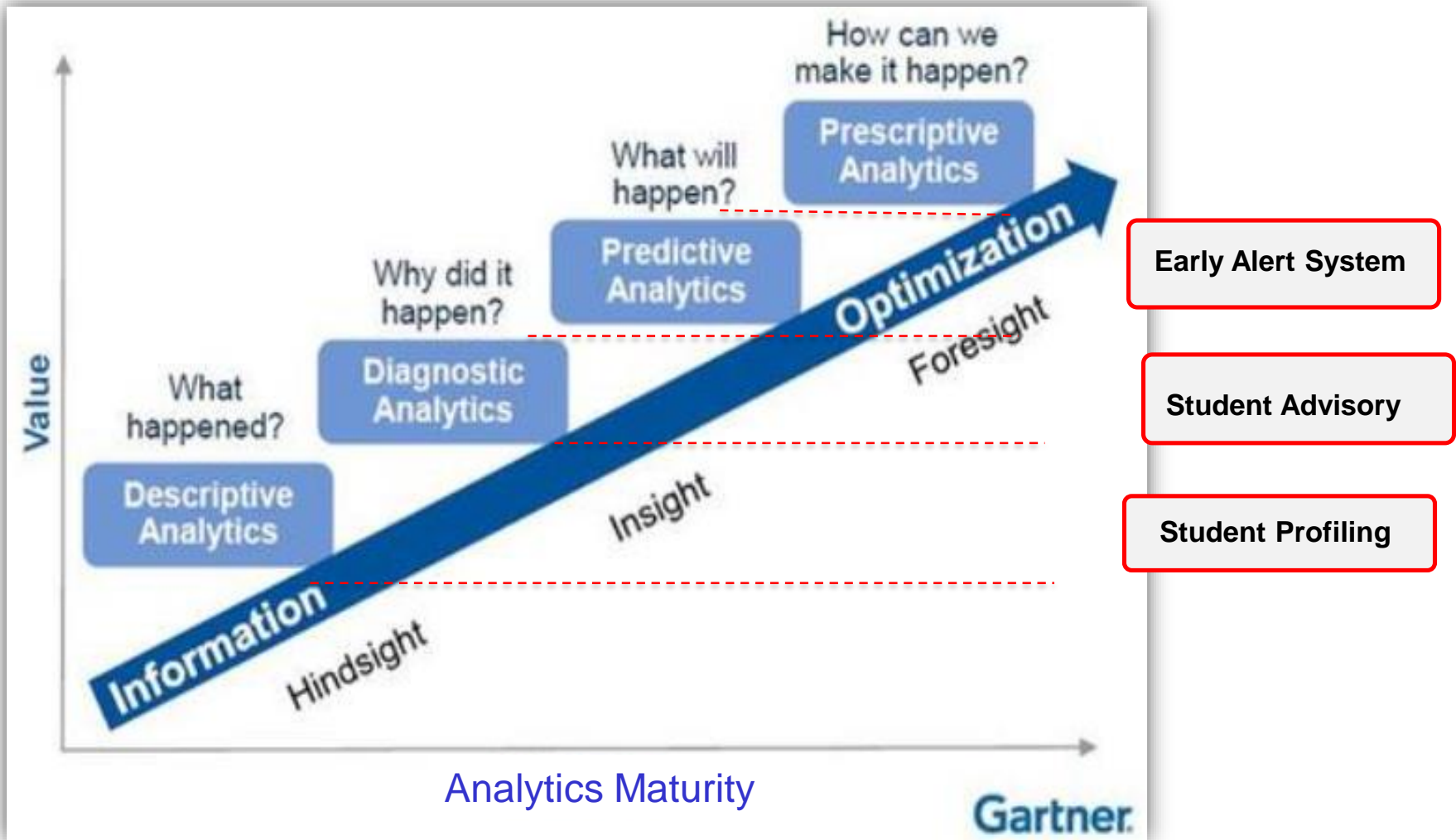→ Improving Students' Learning, Performance & Experience

The "How"

1 Data Warehouse

2 Dashboard Infrastructure

3 Analytics Infrastructure

4 Training & Learning

Others: AE, Competitions … etc.

Community Engagement & Outreach

Business Intelligence & Analytics (BI&A) – set up in Aug 2016

The "What"

Overview

Student Learning Journey

Student Profiling	Student Advisory	Early Alert System
Support Students' Learning	Support Students' Learning	Target for Early Support

Analytics Maturity Model

Dashboard Strategy

ENVISIONING SUSS DASHBOARD

- Cross-functional
  - Informational
  - Strategic
  - Analytical

Interactive – Drilling down to details

Supportive of Deploying Evidence-based decision making

Accessible and Easy-to-read

One-look Overview

INTEGRATED * INTERACTIVE * INFORMATIVE * IMPACTFUL

SUSS DASHBOARDS

"The purpose of visualisation is insights."
Ben A, Shneiderma, Distinguished Professor of Computer Science, University of Maryland

BI&A Dashboards

Application Dashboard

Student Profile Dashboard

The "What"

The "What"

Early Alert System
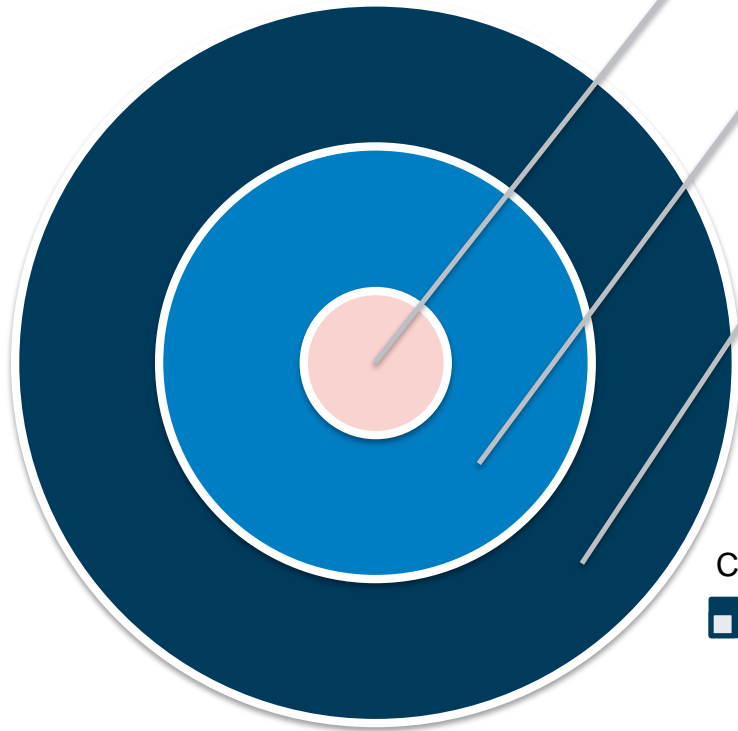
Predict Semestral Grade-Point-Average

Input variables considered

- Demographics & work background
- Prior education
- SUSS academic variables

Targeted & Early Student Support

Types of support (e.g.)

Call	Email	Academic Coaching

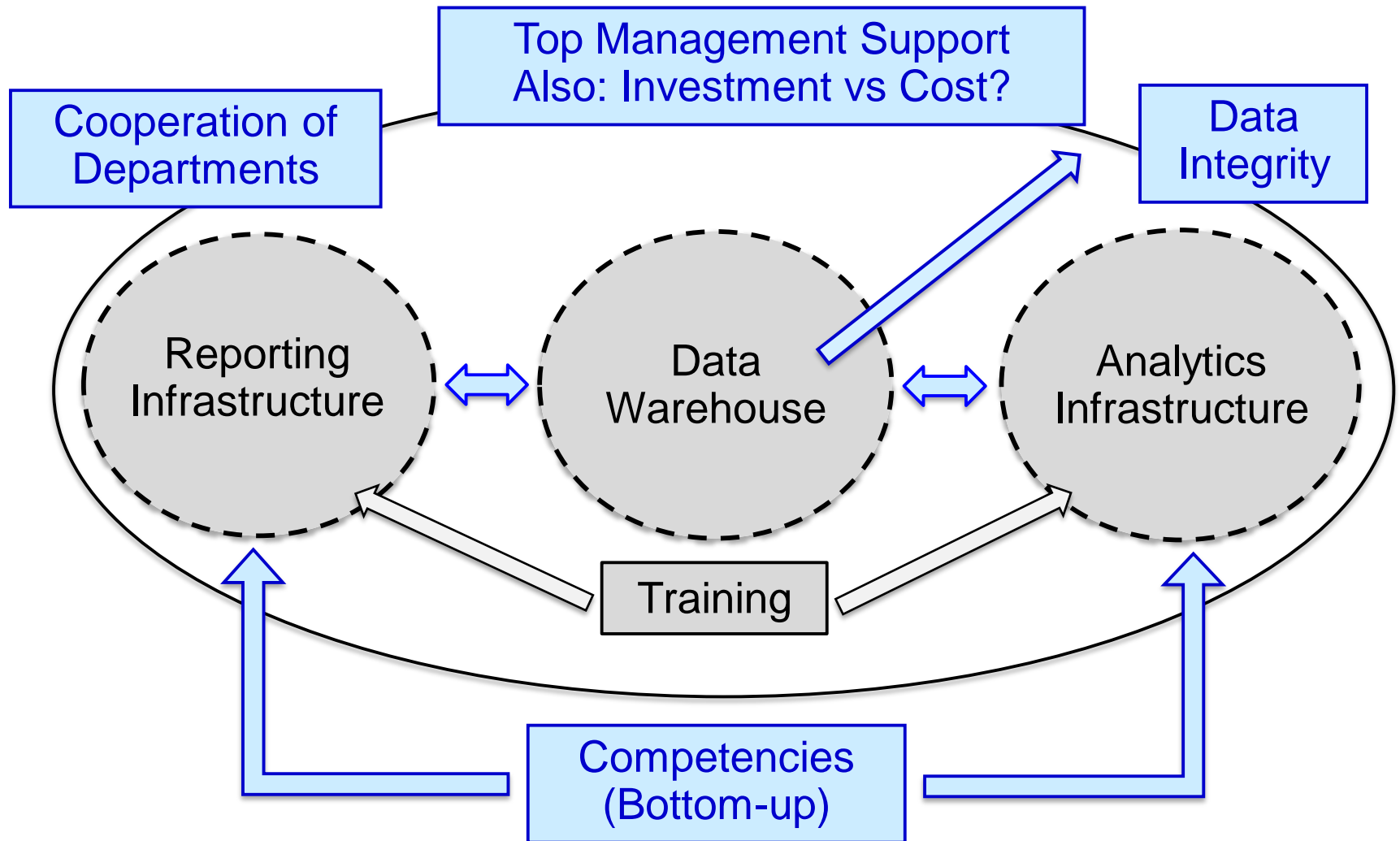# Critical Success Factors

3 Takeaways

- Data, data, data!
- Start with dashboards
- Garner top management support

Thank You

Q & A