

Creating a Campus-Wide Reporting Environment at UMBC

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Diagram One

Distinguishing decision making, analysis & data

Analyst

**The World
(Data)**

**Decision
Maker**

Diagram Two: *The Fully Employed Analyst*

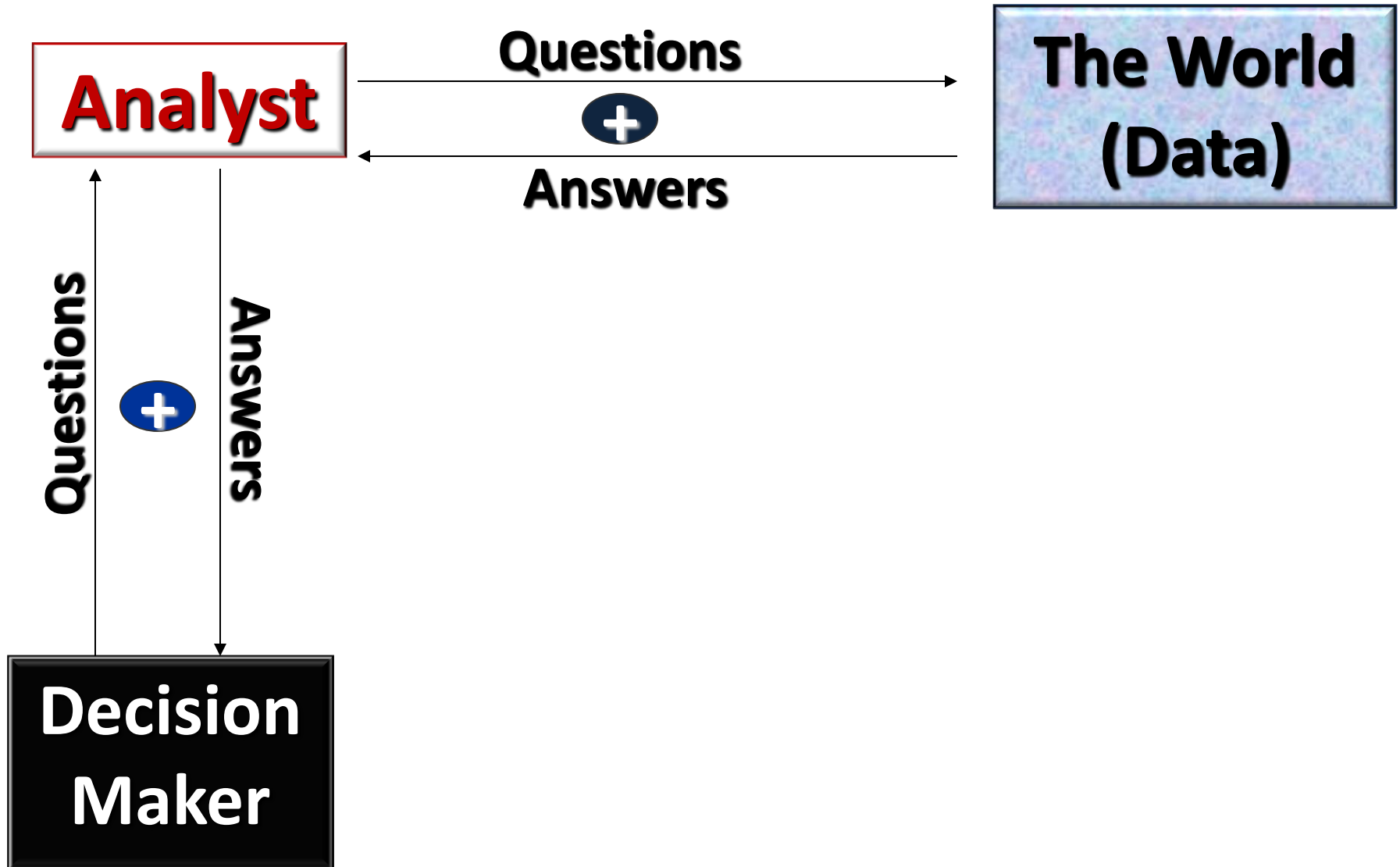


Diagram Three

The Frustrated Analyst

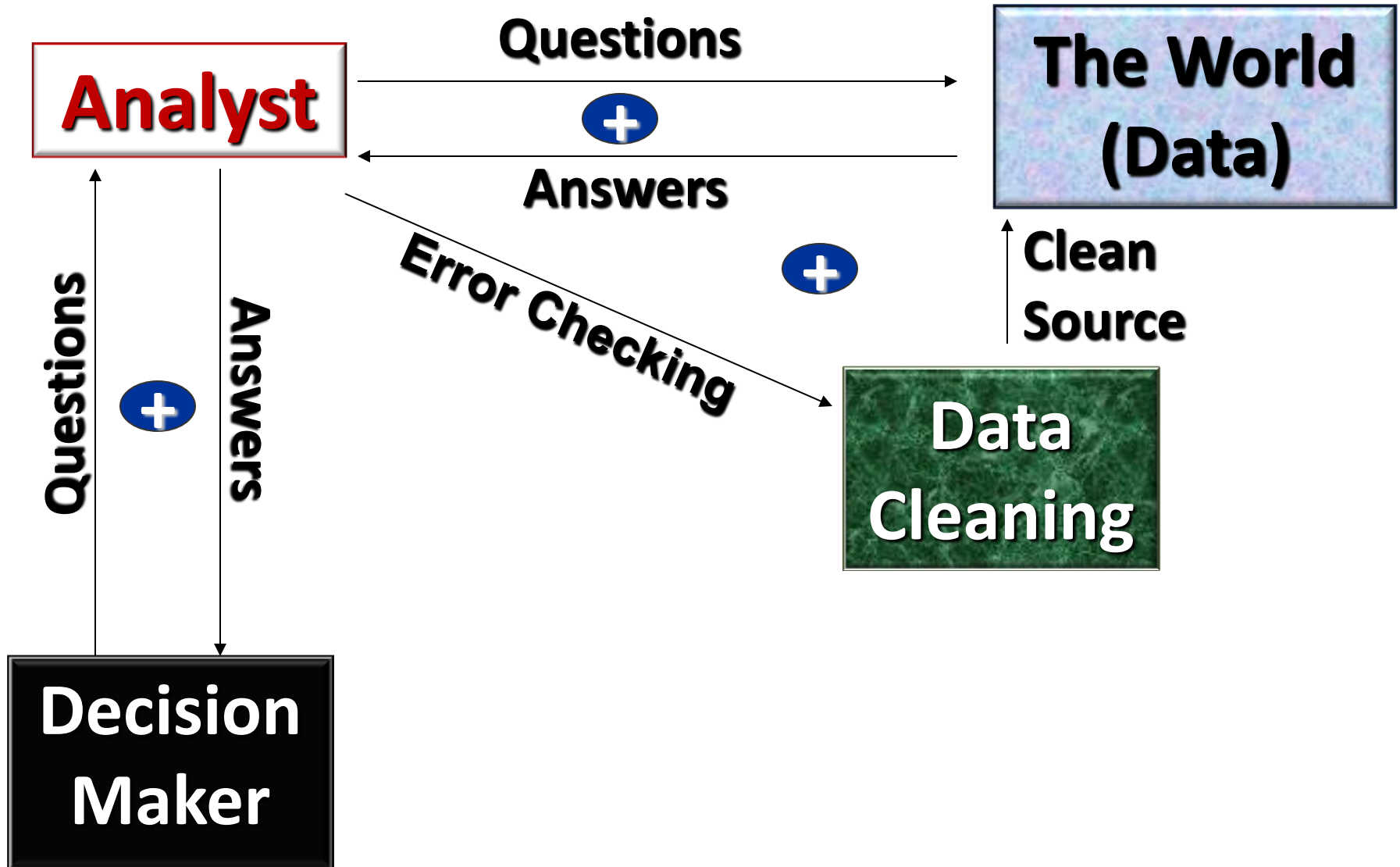


Diagram Four

The Really Frustrated Analyst

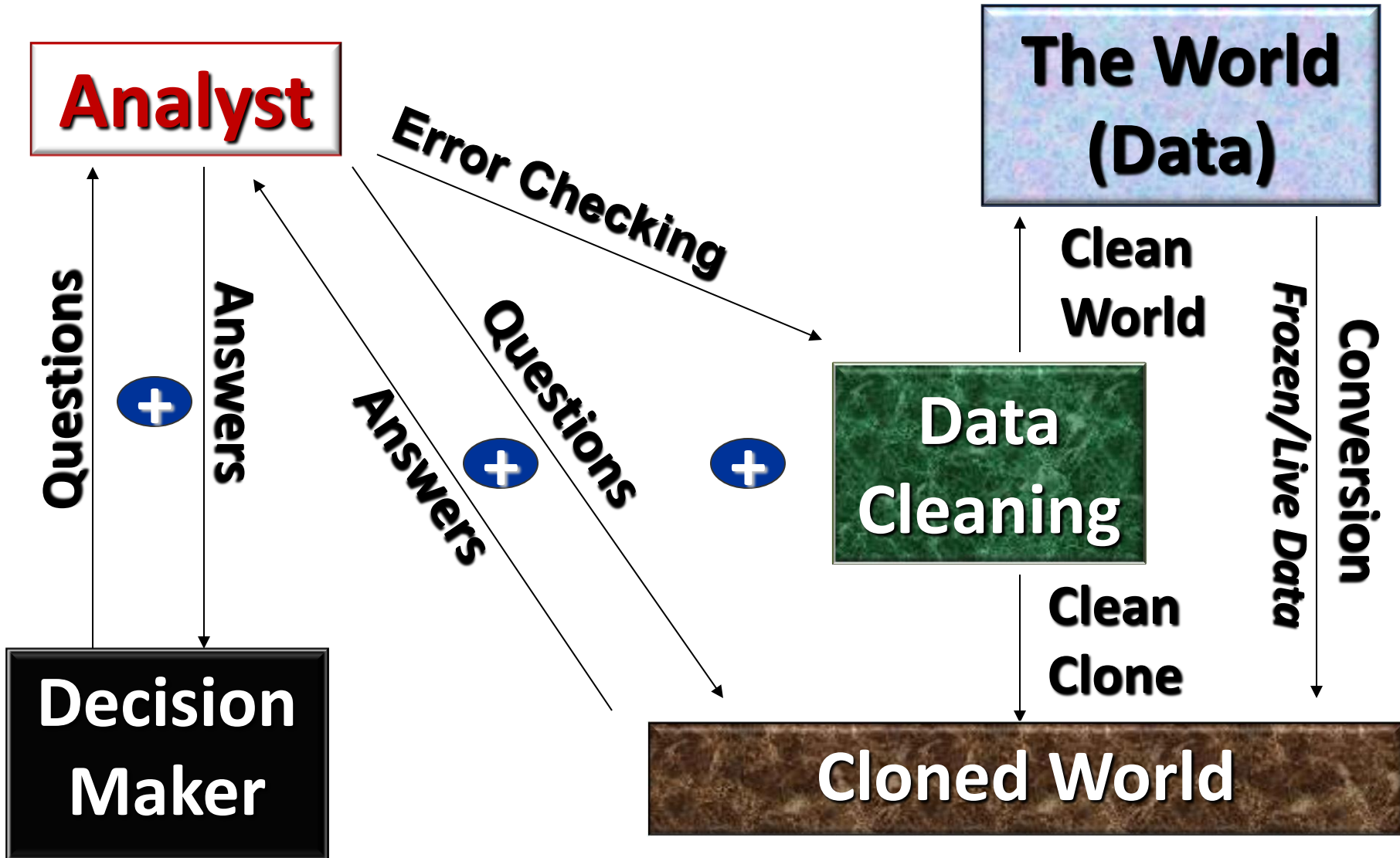


Diagram Five

Data Warehouse

CUBES

Dimensional Model
One Table per Unit of Analysis
(Grain)

Business Intelligence (BI)

Diagram Six

The Lazy Analyst

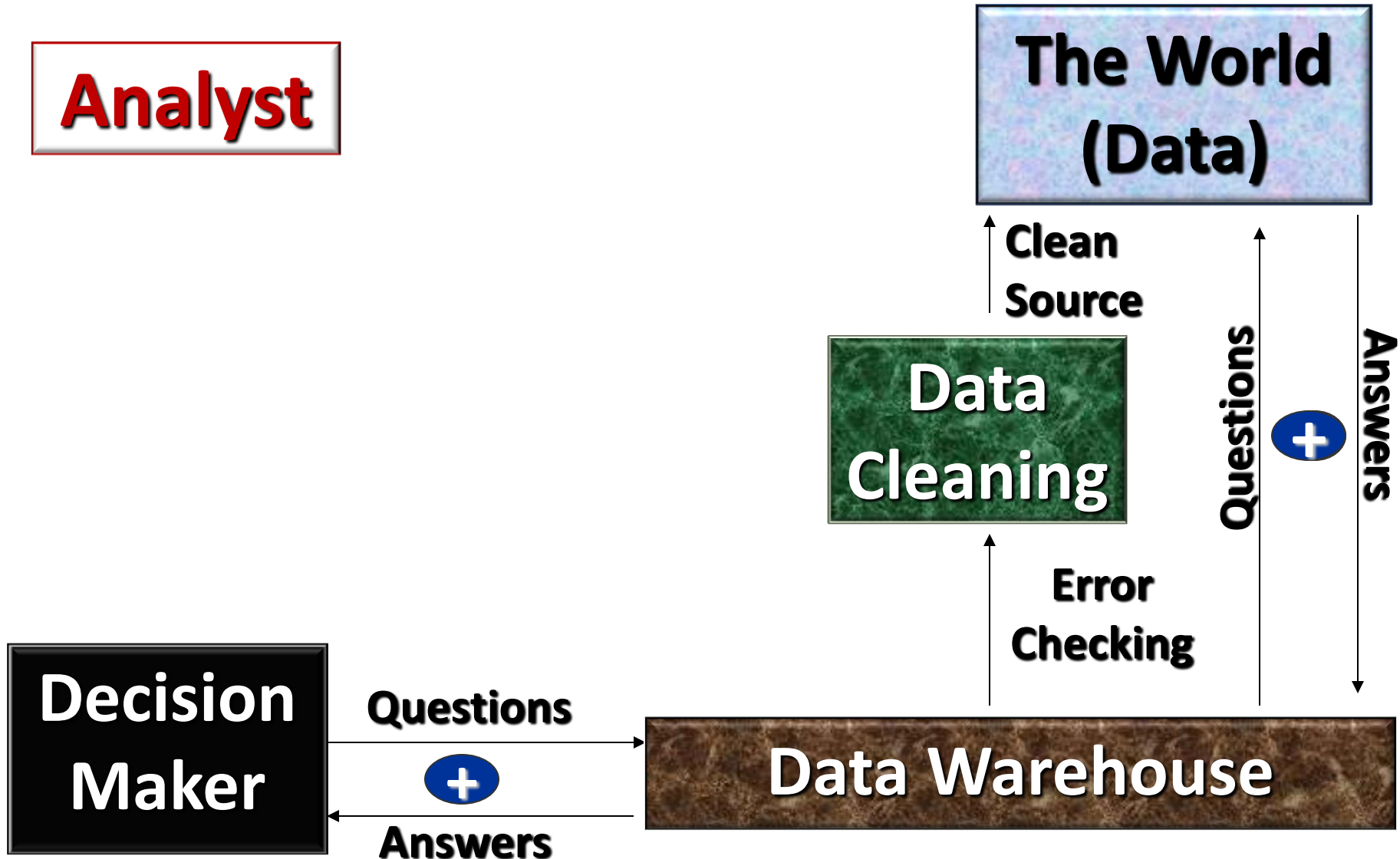
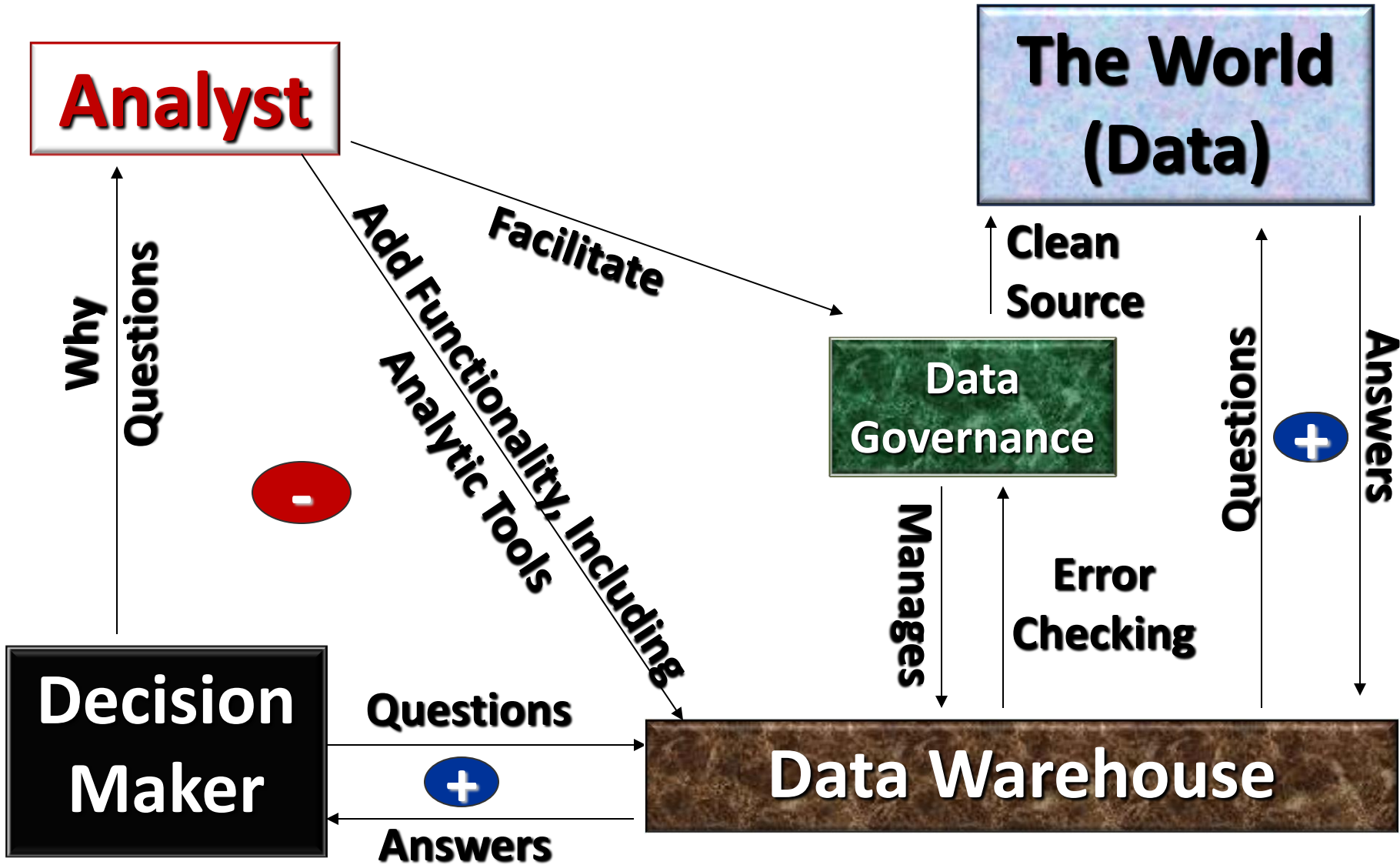


Diagram Seven

Optimizing Analysis



Short History of REX (Report Exchange)

- UMBC purchased a data warehouse product from a small local company, iStrategy, in 2006.
- The product loads data from People Soft Student Administration (PSSA) into a set of Microsoft tables designed to facilitate reporting (came with many delivered reports)

Short History of REX (Report Exchange)

- *Problem*, we did not go live with PSSA till 2009.
- *Solution*, Kevin Joseph converted critical legacy data into a “virtual” People Soft database, thereby getting the warehouse and its reporting tool to work.

Short History of REX (Report Exchange)

Advantages

- It freed up Ralph Caretti, an analyst working for Yvette, to concentrate on the “real” conversion from legacy to PSSA.
- It allowed Yvette and others to explore the data themselves, providing buy-in to the concept of using the warehouse for reporting by campus stakeholders (including the very top) before we went live with PSSA.

Short History of REX (Report Exchange)

Advantages (cont)

- Saved money on hiring consultants to build reports directly from PSSA.
- Provided subject matter expertize on the design of both PSSA and the warehouse.

Short History of REX (Report Exchange)

For its part, IR committed to two things:

- To get official reporting directly from the warehouse, as opposed to extracts from the warehouse.
- Converting 15 years of frozen files into the warehouse, thereby allowing for longitudinal analysis to come directly from it.

VPs & Deans

Campus Systems
Executive Committee

IT Steering
Committee

Data Management Committee

Meets twice a year to review progress made by various teams and solicit feedback on specific issues and prioritizations.

Deans'
Representation

Data Warehouse Team

Assigns REX tickets, manages changes to warehouse & reporting enviro.

Proposed Convener: OIR

REX User Group

Informal meeting to discuss users needs and specific reports. Could be used to discuss training options.

Proposed Convener: OIT (DW side)

Data Quality Team

Comprised of data managers from various functional offices to develop and monitor data integrity processes

Proposed Convener: OIR

Data Access & Security Team

Manages access to and security levels in PS and REX, including confidentiality issues

Proposed Convener: OIT (SA side)

Setup Tables Team

Manages changes to plans and subjects as well as the rollups to orgs, colleges, etc.

Proposed Convener: Registrar

Training Team

Manages training material for both SA and REX

Proposed Convener: OIT