

# Introduction to Data Warehousing

## Section 3 Assessment



# • The Scenario (1)

A large state university system has four different campuses located all across the state. Each of these campuses operates as, essentially, its own self-contained university, which means:

- Each campus has its own IT organization that operates and maintains its own applications for that campus only
- Each campus' applications include the following key software systems for:
  - Faculty management
  - Student admissions, grading, and administration
  - Facilities management (e.g., buildings and classrooms)



## • The Scenario (2)

- The state university's "main campus" is one of the four individual campuses, and is located in a small town in the center of the state
- The main campus IT organization has responsibilities for not only that campus, but also support for the entire state university system as a whole
- The main campus IT organization is just starting on a data warehousing initiative that is intended to serve the needs of 1) individual campuses as well as 2) the state university system as a whole.

**City 1  
Campus**



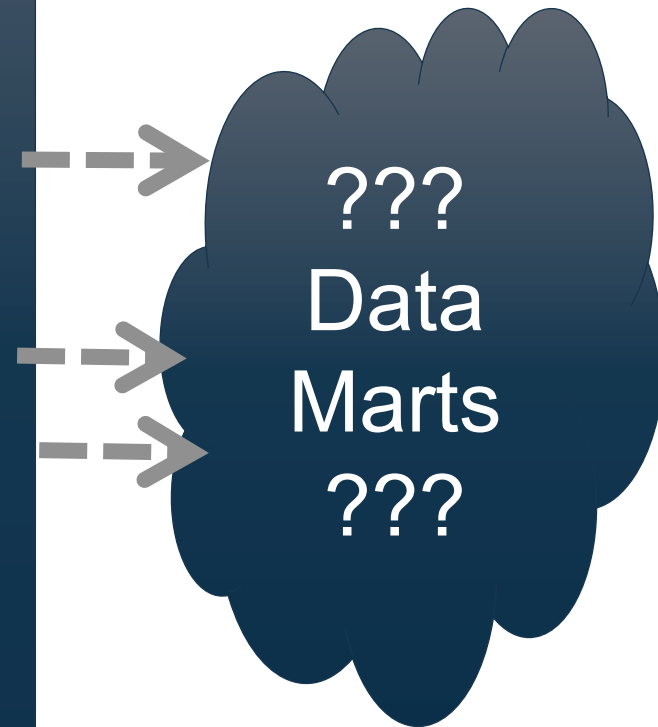
**City 2  
Campus**



**City 3  
Campus**



**City 4  
Campus**





## • Your assignment

- Draw (on paper, or in PowerPoint or another drawing program) two different approaches to building the data marts for this scenario
- Hint 1: You would not have 1 data mart for each of your source systems
- Hint 2: Think of the types of analysis that university personnel would want to on data from the identified source systems
- Hint 3: Think in terms of “boundaries” – i.e., what data would be likely included versus excluded for someone doing different types of analysis