

28 Lecture - CS403

Important Subjective

1. **What is attribute aliasing and why is it important to manage it effectively?**

Answer: Attribute aliasing refers to the practice of giving multiple names to the same attribute in a database. It is important to manage it effectively to ensure consistency and accuracy in data analysis, and to avoid confusion and errors when querying data.

What are some potential risks of attribute aliasing?

Answer: Some potential risks of attribute aliasing include inaccurate data analysis, data integration failure, and reduced data quality.

How can attribute aliases be managed effectively?

Answer: Attribute aliases can be managed effectively by defining standard attribute names and enforcing them, documenting attribute aliases, and ensuring consistency in their usage.

What is the role of data governance in managing attribute aliases?

Answer: The role of data governance in managing attribute aliases is to document attribute aliases and enforce consistency to ensure data accuracy and integrity.

Can attribute aliases be beneficial in some cases? If so, give an example.

Answer: Yes, attribute aliases can be beneficial in some cases. For example, if an attribute has a long and complex name, it can be useful to give it a shorter and more descriptive alias for easier querying.

What is the difference between an alias and a synonym?

Answer: An alias is a name given to an attribute, while a synonym is a name given to a table or view.

How can inconsistent attribute aliases affect data analysis?

Answer: Inconsistent attribute aliases can cause confusion and errors when querying data, leading to inaccurate data analysis.

Can attribute aliases be automatically generated? If so, how?

Answer: Yes, attribute aliases can be automatically generated using algorithms that generate short, unique and meaningful names based on the attribute's characteristics.

How can data quality be affected by attribute aliasing?

Answer: Data quality can be affected by attribute aliasing if different aliases are used for the same attribute, leading to inconsistency and inaccuracy in data analysis.

What are some best practices for managing attribute aliases?

Answer: Best practices for managing attribute aliases include defining standard attribute names and enforcing them, documenting attribute aliases, ensuring consistency in their usage, and providing training and education to data users on their proper use.