



## Module 4, Lesson 2: Data Cube Computation, Data Warehouse Architecture

### Attributions

- Slide 4: Data Warehousing
  - Data warehouse illustration: [https://commons.wikimedia.org/wiki/File:Data\\_warehouse\\_architecture.jpg](https://commons.wikimedia.org/wiki/File:Data_warehouse_architecture.jpg)
- Slide 8: “Iceberg” Cube
  - Tip of the iceberg concept illustration: <https://commons.wikimedia.org/wiki/File:Iceberg.jpg>
- Slide 12: Data Warehouse Architecture
  - Data warehouse illustration: [https://commons.wikimedia.org/wiki/File:Data\\_warehouse\\_architecture.jpg](https://commons.wikimedia.org/wiki/File:Data_warehouse_architecture.jpg)
- Slide 16: Cloud-based Data Warehousing
  - Snowflake architecture: <https://dl.acm.org/doi/10.1145/2882903.2903741> (Fig 1)