

Data-Warehouse-Technologien

Exercise sheet 4

Assignment 1: Describe the data cube, how is it defined and which operations does it support?

Assignment 2: Describe different forms of hierarchies w.r.t. dimensions in a DWH.

Assignment 3: Assign the following facts to the corresponding summation type, and explain the summation type.

- order quantity of an article per day
- stock
- exchange rate

Assignment 4: Classify and define the following aggregate functions:

- Min
- Sum
- STDDEV
- Percentile
- Count
- Rank
- Max
- Average
- Median

Assignment 5: Define the terms star-schema and snowflake-schema. What are their benefits and drawbacks?