Combining Queries with COALESCE



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Overview



COALESCE Function

- Select Attributes from multiple Tables
- Eliminate NULL values

Join Queries

- Extract values from both Queries
- Show the values side by side

Result

- One wide Table
- One row per Customer

Why the COALESCE Function?



Customers are offered discount codes.



Calculating the Sales Value



Discounted Sales

Not Held



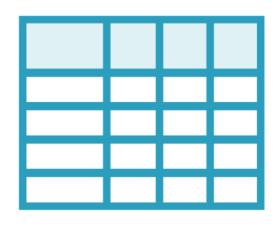
Discounted Sales must be calculated.



Calculating the Sales Value







Discounted Sales

Must be Calculated

Calculation
Sales Value - Discount

Other Sales
No Discount



COALESCE

(Expression

, Expression

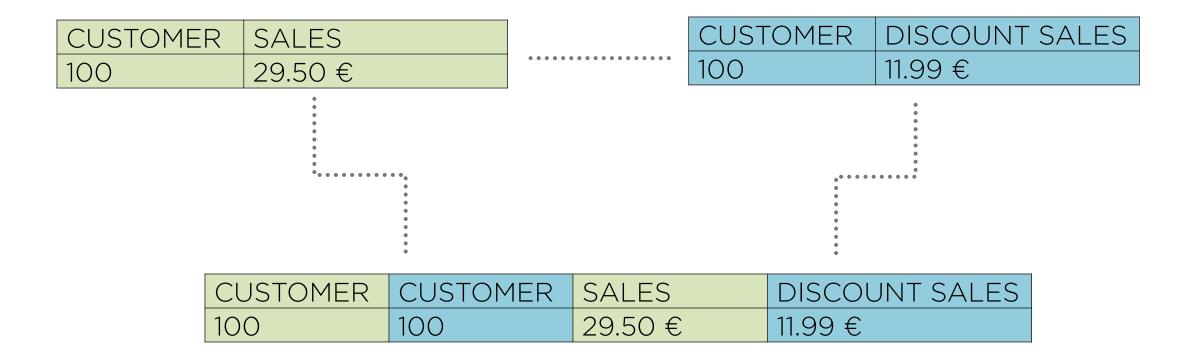
Evaluation Functions

Expression An expression of any type

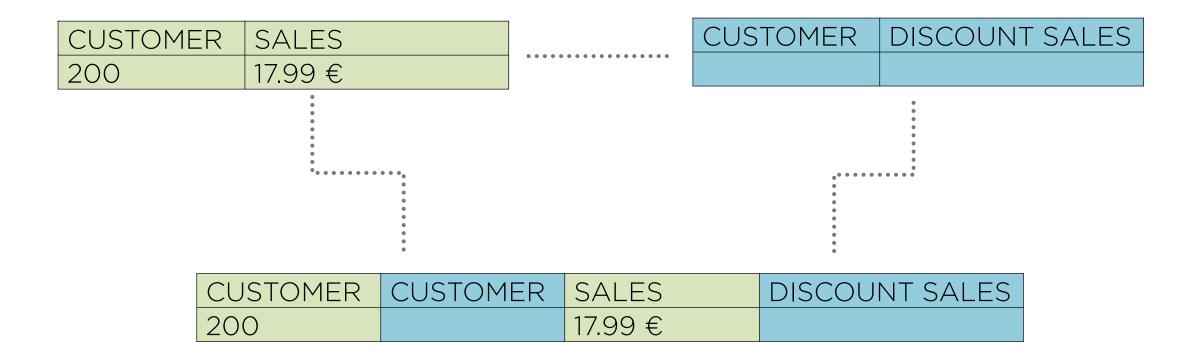
Expression An expression of any type



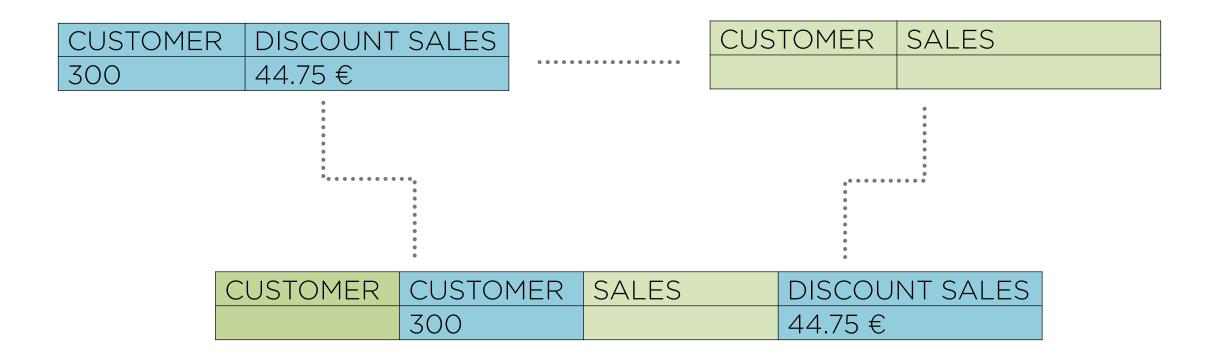
FULL OUTER JOIN



FULL OUTER JOIN



FULL OUTER JOIN



Adding the COALESCE Function to a Query



Joining Multiple Queries with COALESCE



Views







Product Sales

Channel Sales

Annual Sales



Summary



Join Multiple Queries

- FULL OUTER JOINS

Handle Null Values

- In the Key column
- CASE
- COALESCE

Complex Queries

- Create wide aggregate tables
- With measures from multiple fact tables

