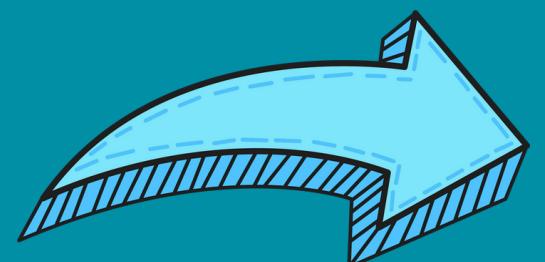


Mastering Relationships in Power BI



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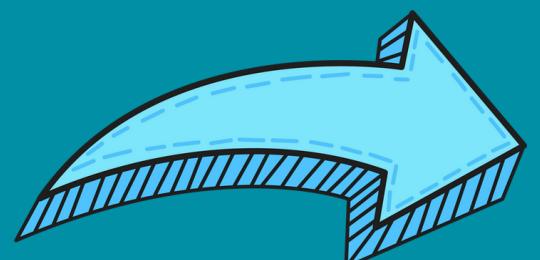


What are Relationships in Power BI?

Relationships in Power BI connect data between tables based on shared fields, enabling seamless data analysis and reporting across different datasets.



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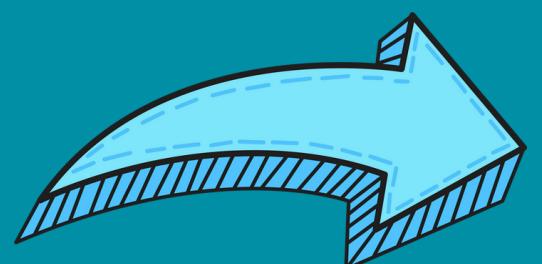


Types of Relationships

- **One-to-One:** Each record in Table A has one matching record in Table B.
- **One-to-Many:** A record in Table A can match multiple records in Table B.
- **Many-to-Many:** Records from both tables can have multiple matches.



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How to Create Relationships

- Navigate to the Model View in Power BI.
- Drag and drop the related fields between tables.
- Set the appropriate relationship type (1-to-1, 1-to-many).
- Define Cardinality and set Cross-filter direction.



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Active vs. Inactive Relationships

- Active Relationship: Power BI uses this by default in calculations.
- Inactive Relationship: Can be activated via DAX when needed in specific calculations.



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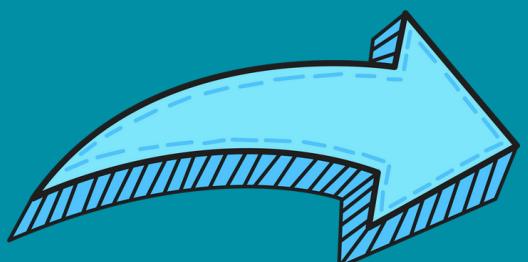


Optimizing Relationships for Performance

- Ensure relationships are relevant and minimal to avoid performance lags.
- Use Star Schema for efficient data modeling, reducing the complexity of relationships.
- Ensures you capture everything from both tables.



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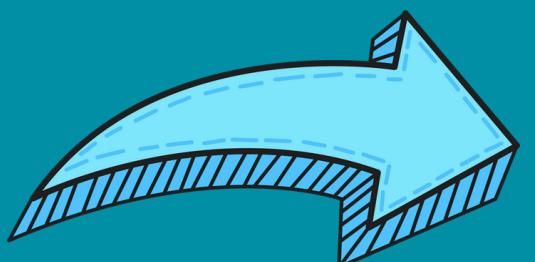
Why Relationships Matter

Well-designed relationships improve your reports by:

- Ensuring accurate data blending.
- Enabling complex analysis with multiple data sources.
- Enhancing report speed and responsiveness.



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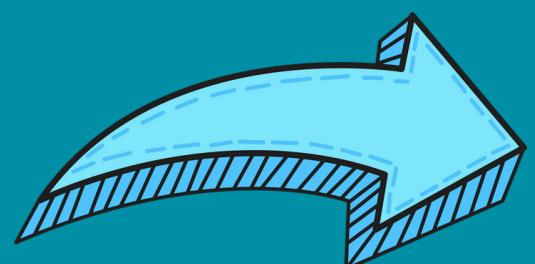


Conclusion

Mastering relationships in Power BI lets you fully leverage the power of your data, enabling deeper insights and more interactive reports.



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Thank You

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