Improving the Data Model for Reporting



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Preparing Data

-

Load

-

Transform

Modeling

Relationships

Reporting

1

Basic Calculations

4

Time Intelligence

1

Evaluation Context

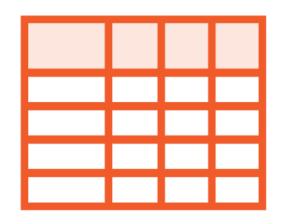
Overview



- Configuring model properties
- Using data categories
- Enhancing the model for Q&A



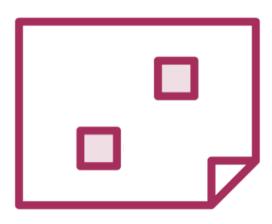
Configuring Model Properties



Object names and descriptions



Data types



Hidden objects



Format

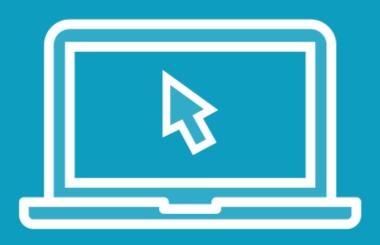


Sort order



Default summarization





- Review renaming options
- Hide objects
- Add object descriptions



Apply formatting to numeric and date values

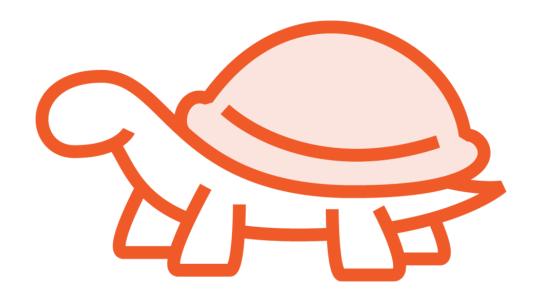


Configure default summarization



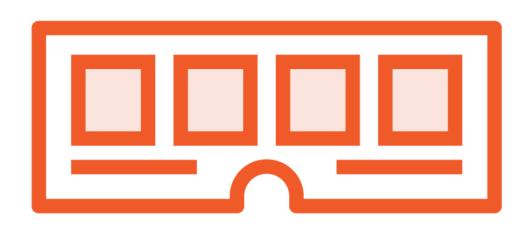
Aggregations

DirectQuery data sources are typically too big to load into memory





Power BI visuals and report refreshes can be slow with DirectQuery



In-memory Cache

Aggregations move a subset of data into memory



Summarization

Aggregations summarize detail with "group by" and summary functions





More information

Use aggregations in Power BI Desktop

https://bit.ly/3alRuGy

Using Data Categories



Geographic location



URL



Barcode





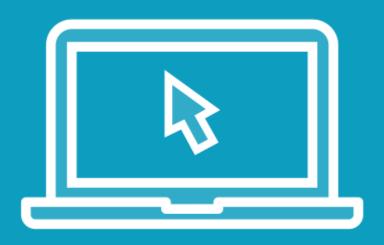
More information

Tag barcode fields for the mobile app

https://bit.ly/3v5LsC1



Using the Web URL data category



Using the Image URL data category



Understanding Q&A



Natural language query

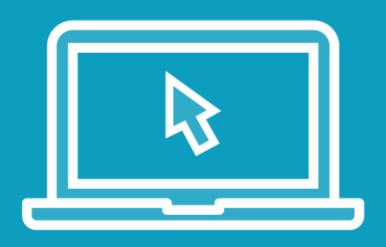
- Which movie is longest?

Model requirements

- Correct relationships and properties
- Normalized data structure

Enhancement options

- Synonyms
- Linguistic schema



Ask a natural language question with Q&A



Add a synonym to improve Q&A





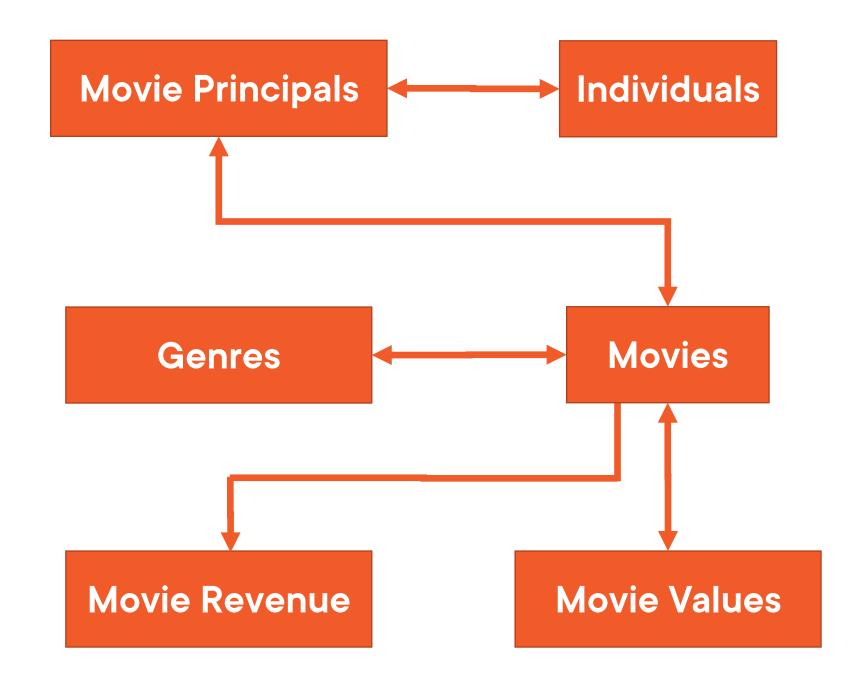
Review the linguistic schema



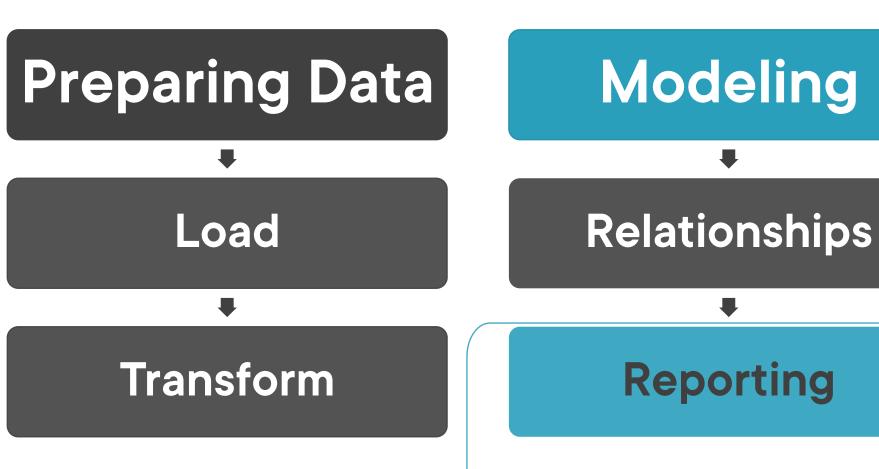


Edit the linguistic schema

Identifiers hidden
Formatting applied
Summarization set
Data categories set
Q&A improvements
But...
Calculations missing







- Model properties
- Web and Image URL data categories
- Q&A synonyms and linguistic schema

