Data properties

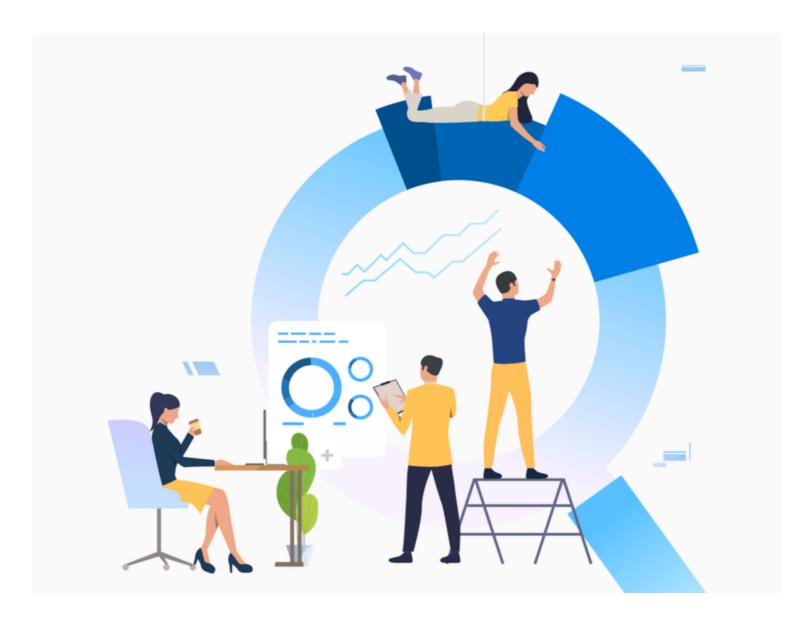
CONNECTING DATA IN TABLEAU



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Curriculum Manager, DataCamp



Managing data



- Dimension/measure assignments
- Column name/alias changes
- Data types changes
- Default properties assignments

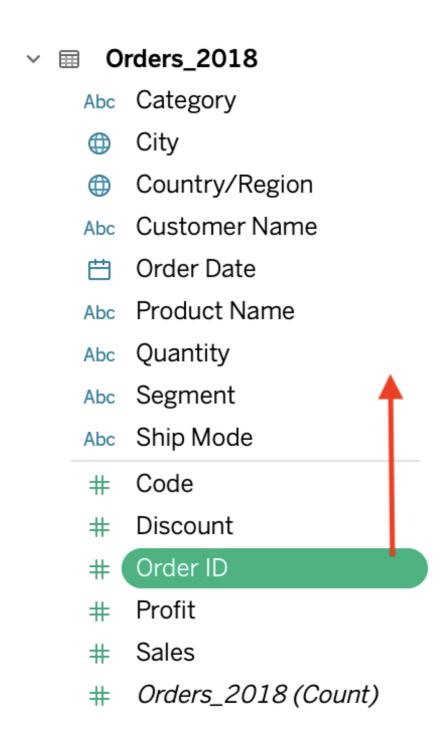
Dimension vs. measures

Dimensions

- Qualitative values
- E.g., names, dates, geographical data

Measures

- Numeric/quantitative values
- E.g., price, duration, age



Column names and aliases

Change column names

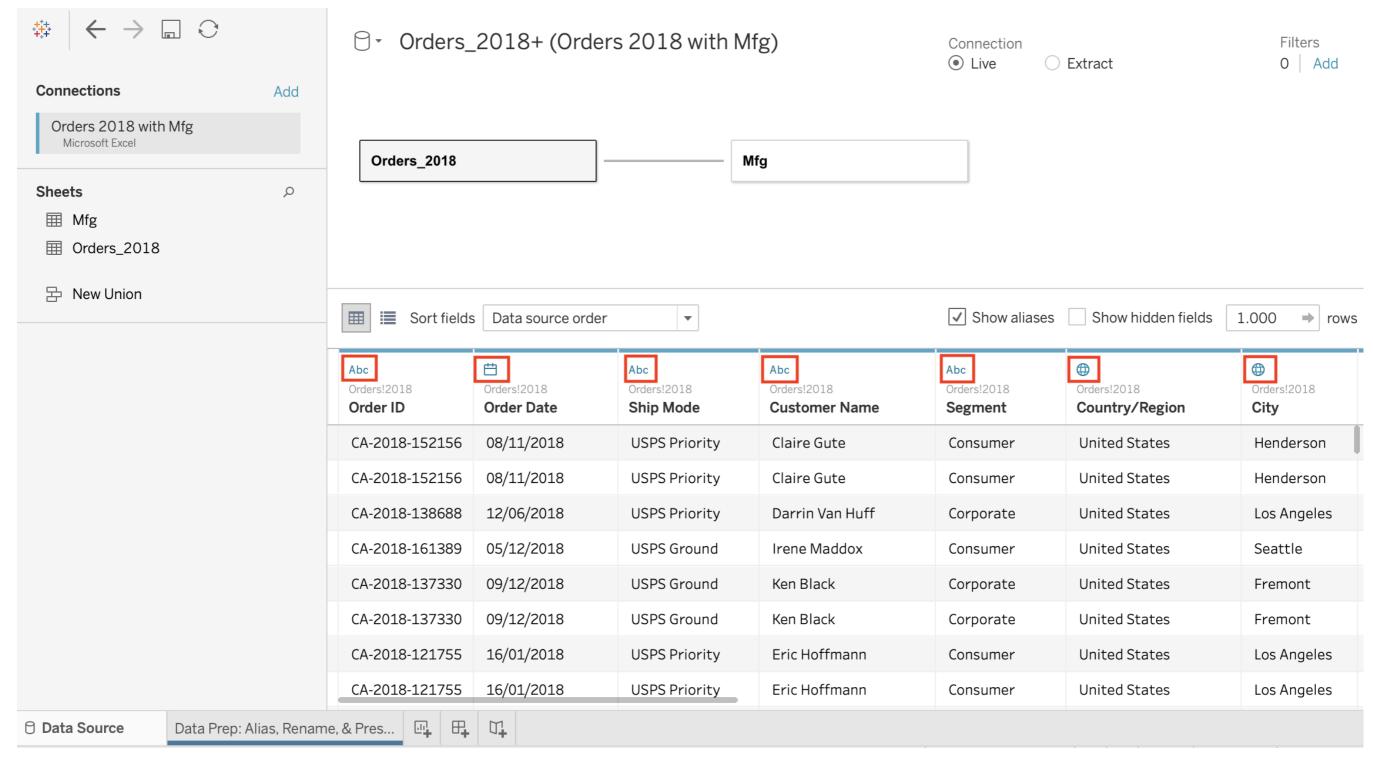
Abc Orders!2018 Type Segment -Consumer Consumer Corporate Consumer Corporate Corporate Consumer

Change aliases

Abc Orders!2018 Segment	
Consumer	b2c
Consumer	b2c
Corporate	b2b
Consumer-	b2c
Corporate -	b2b
Corporate-	b2b
Consumer-	b2c

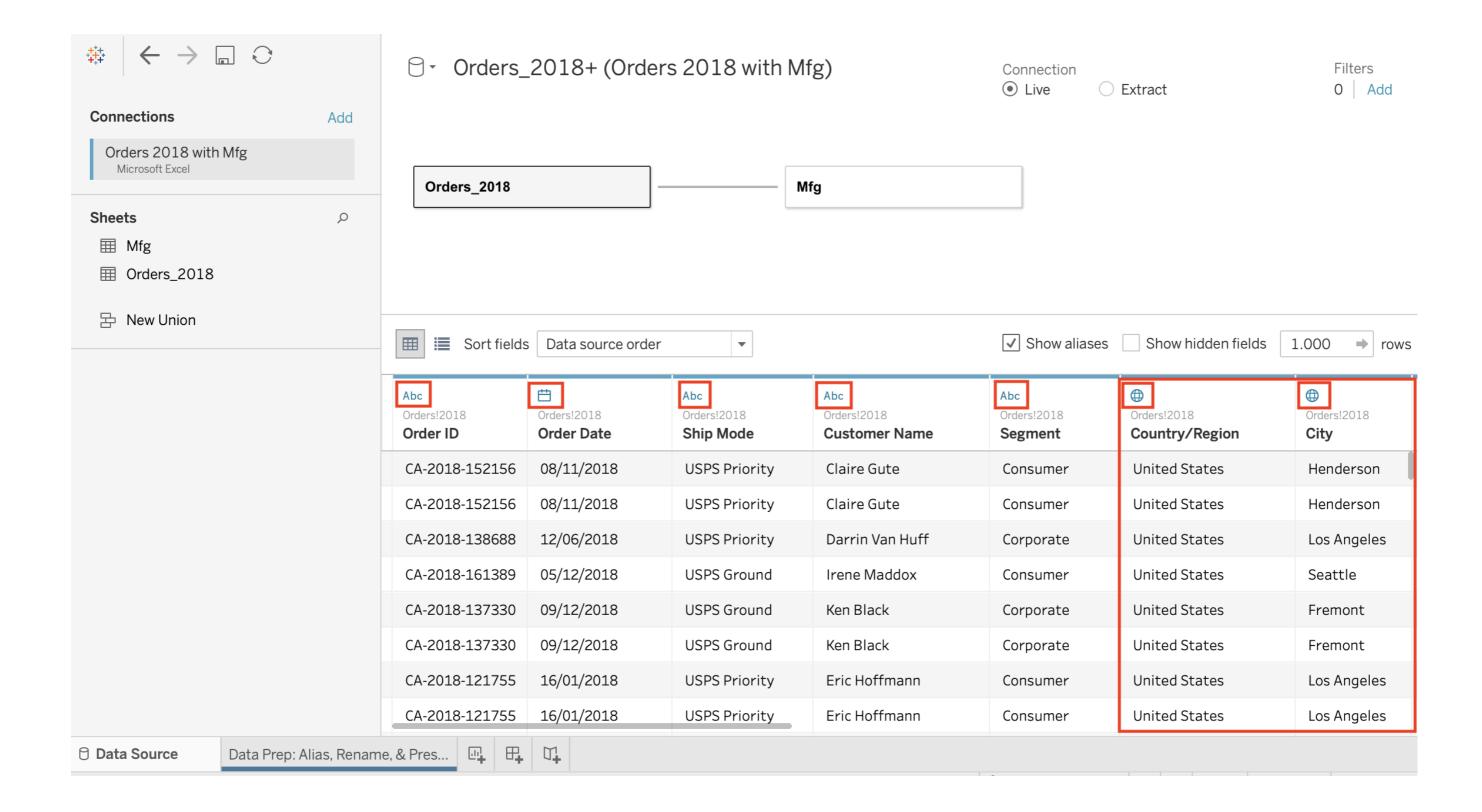
Data types

Data type	Example
String values	Celia
Number (integer) values	15
Date values	16-07-1993
Date and time values	18-03-2016 12:45:28 AM
Boolean values	True
Geographic values	United States
Cluster or mixed values	A mix of the above



¹ https://help.tableau.com/current/pro/desktop/en-us/maps_geographicroles.htm







Default properties

Allows the analyst to assign characteristics to be consistently shown

- Aggregation
- Comments
- Number formatting
- Color
- Shape
- Totals

Let's practice!



Managing the presentation of data

CONNECTING DATA IN TABLEAU



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Curriculum Manager, DataCamp



Let's practice!



More data management

CONNECTING DATA IN TABLEAU



Sara Billen Instructor



Let's practice!



Tableau connectors

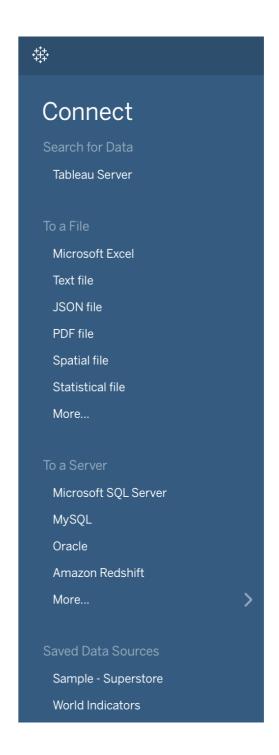
CONNECTING DATA IN TABLEAU



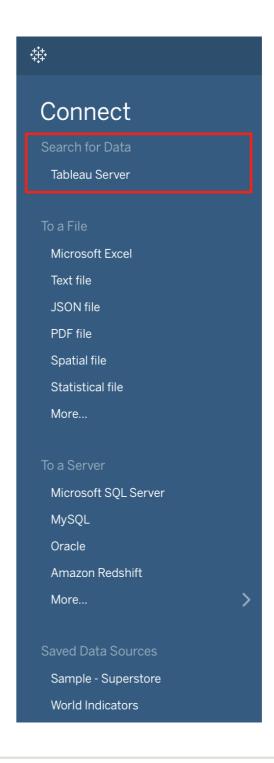
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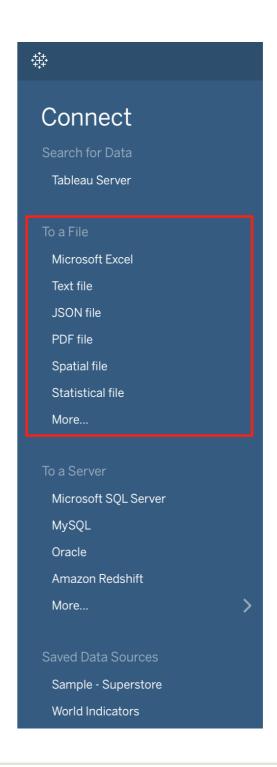
• Four options:



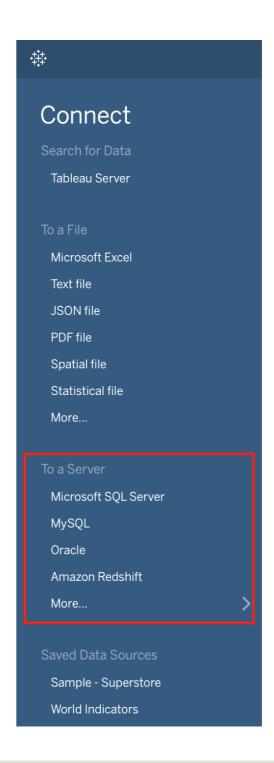
- Four options:
 - Tableau server



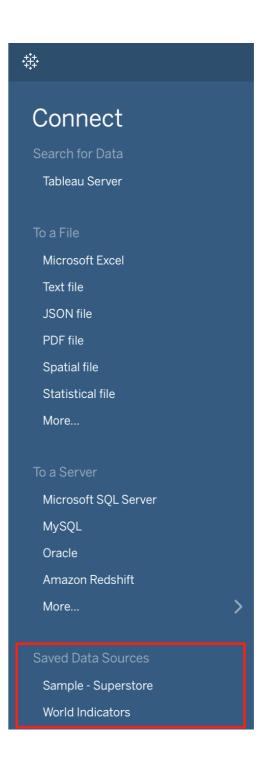
- Four options:
 - Tableau server
 - File



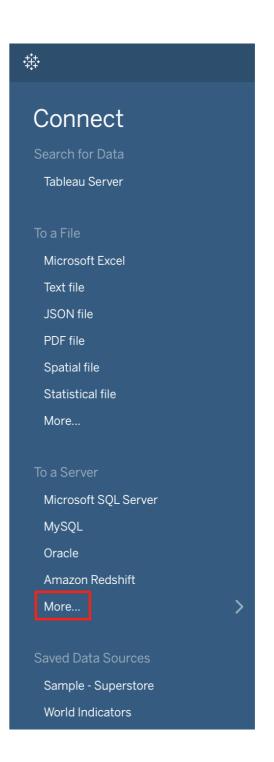
- Four options:
 - Tableau server
 - File
 - Server

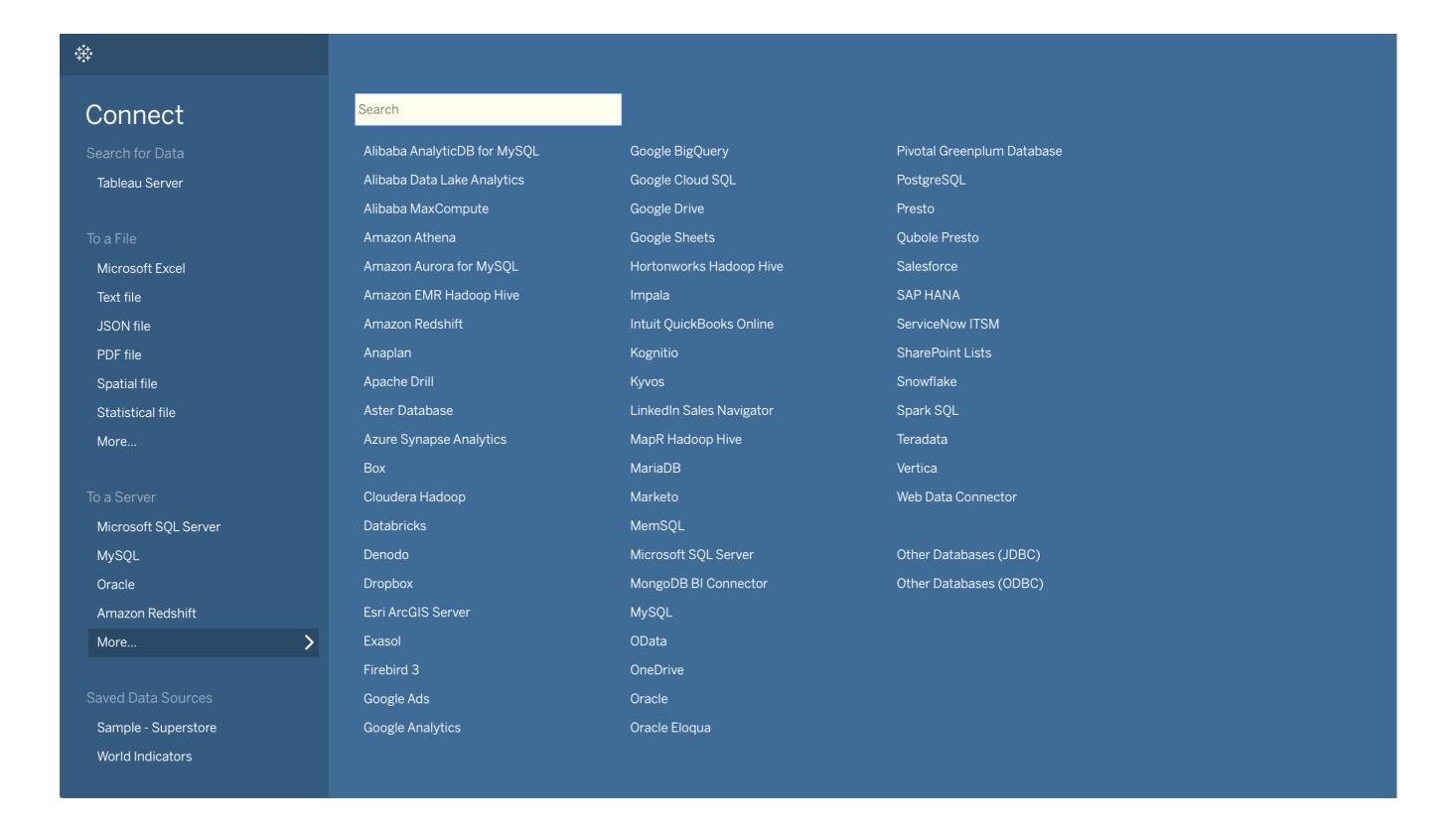


- Four options:
 - Tableau server
 - File
 - Server
 - Saved data source



- Four options:
 - Tableau server
 - File
 - Server
 - Saved data source







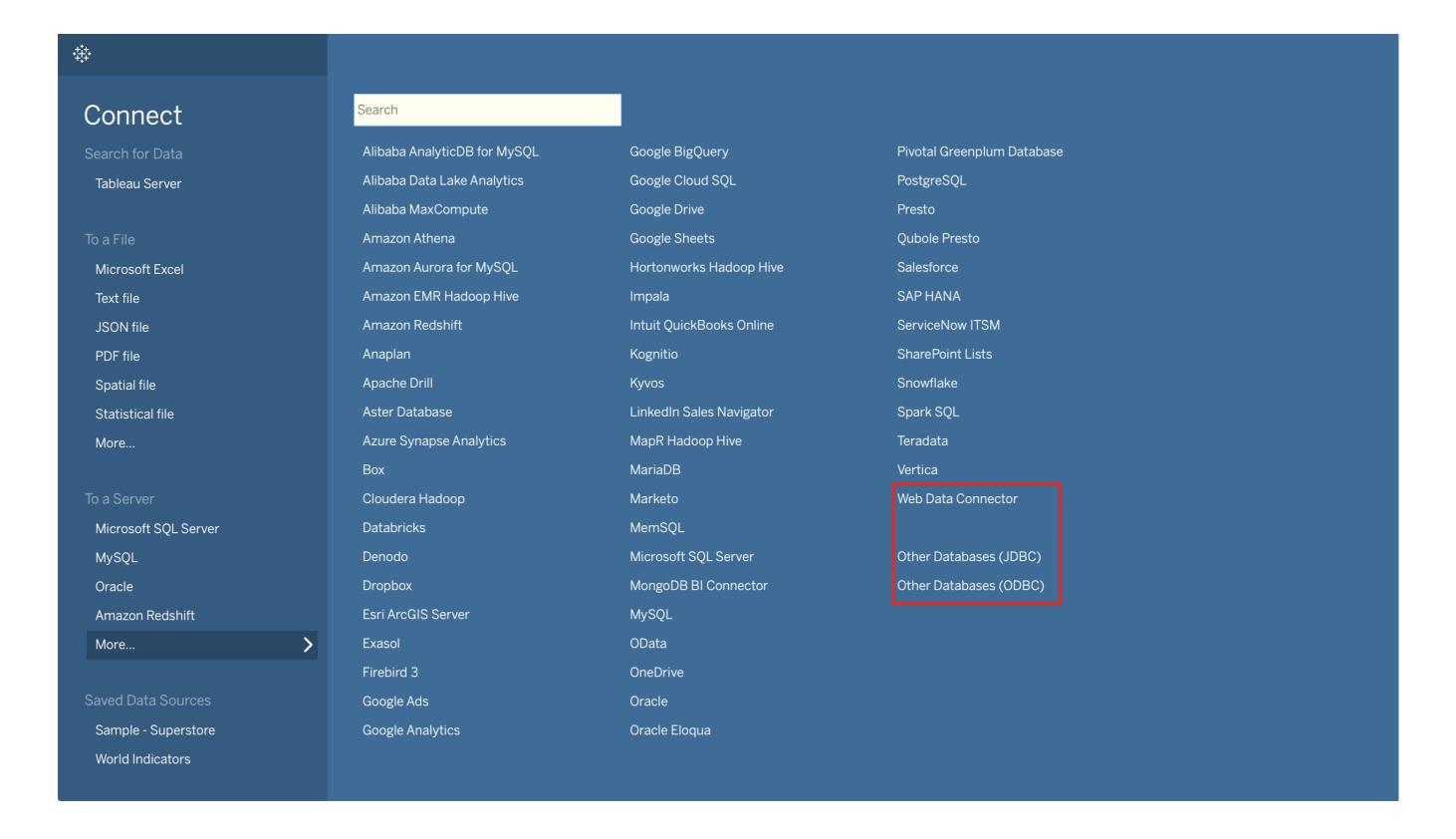
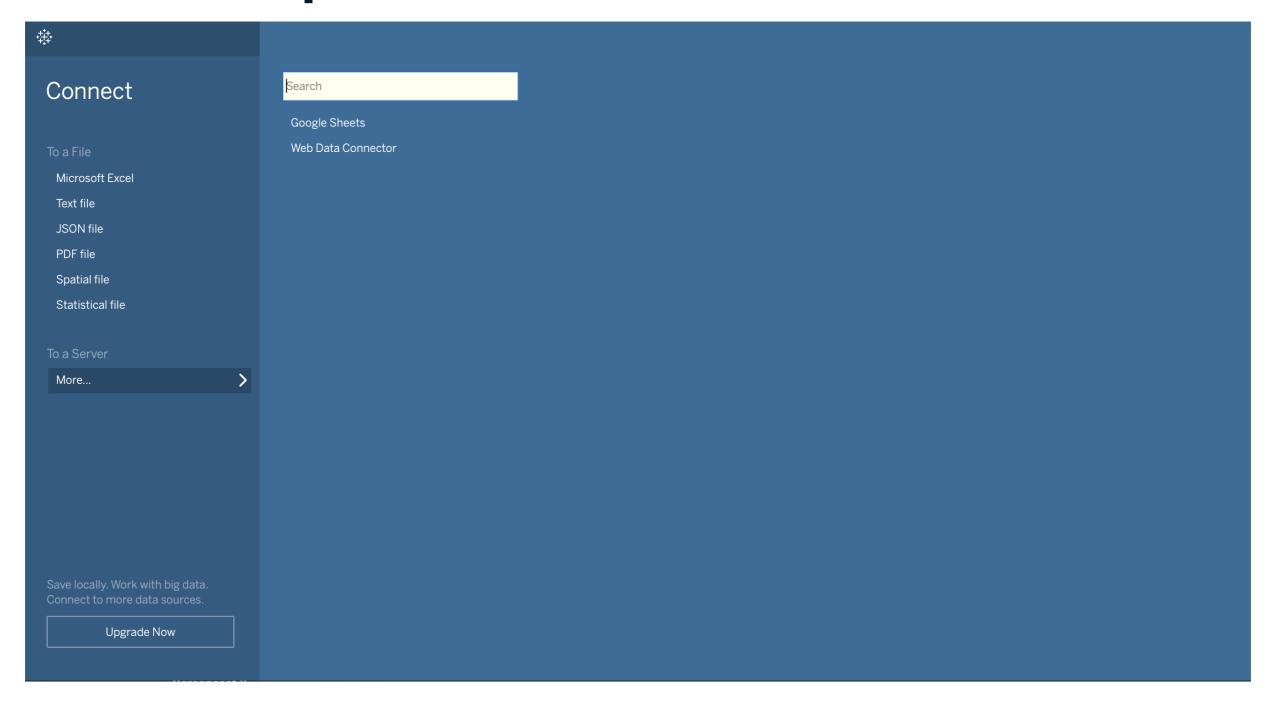




Tableau Desktop vs Tableau Public





Sharing your data

- Save as data source
- .tds file
- Does not contain actual data
- Includes:
 - Information necessary to connect to the actual data: e.g. database server address, port, location of local files, tables
 - Modifications made: e.g. groups, sets, calculated fields, bins, default properties
- Use if the other person has access to the underlying file or database
- Only possible in Tableau Desktop (not on Tableau Public)

Let's demo!



Connecting to data

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Let's practice!



Filters

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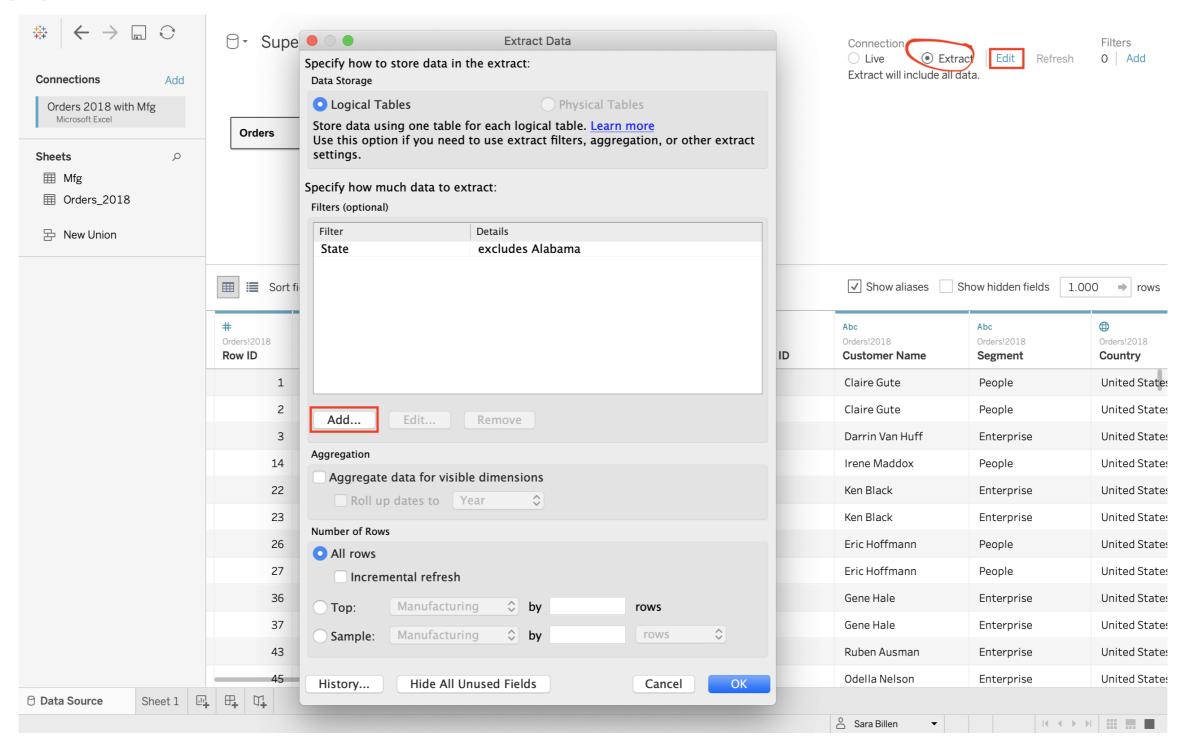


Tableau's order of operations

Order of operations:

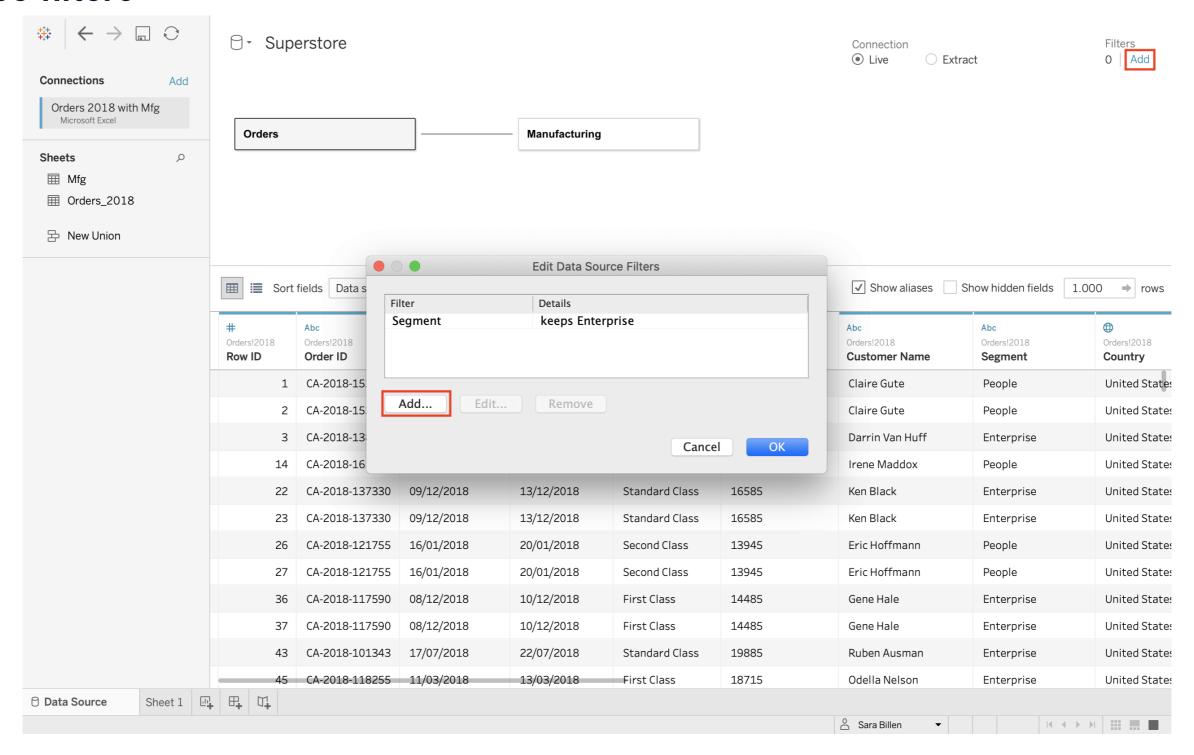
- 1. Extract filters
- 2. Data source filters
- 3. Context filters
- 4. Dimension filters
- 5. Measure filters
- 6. Table calc filters

Extract filters



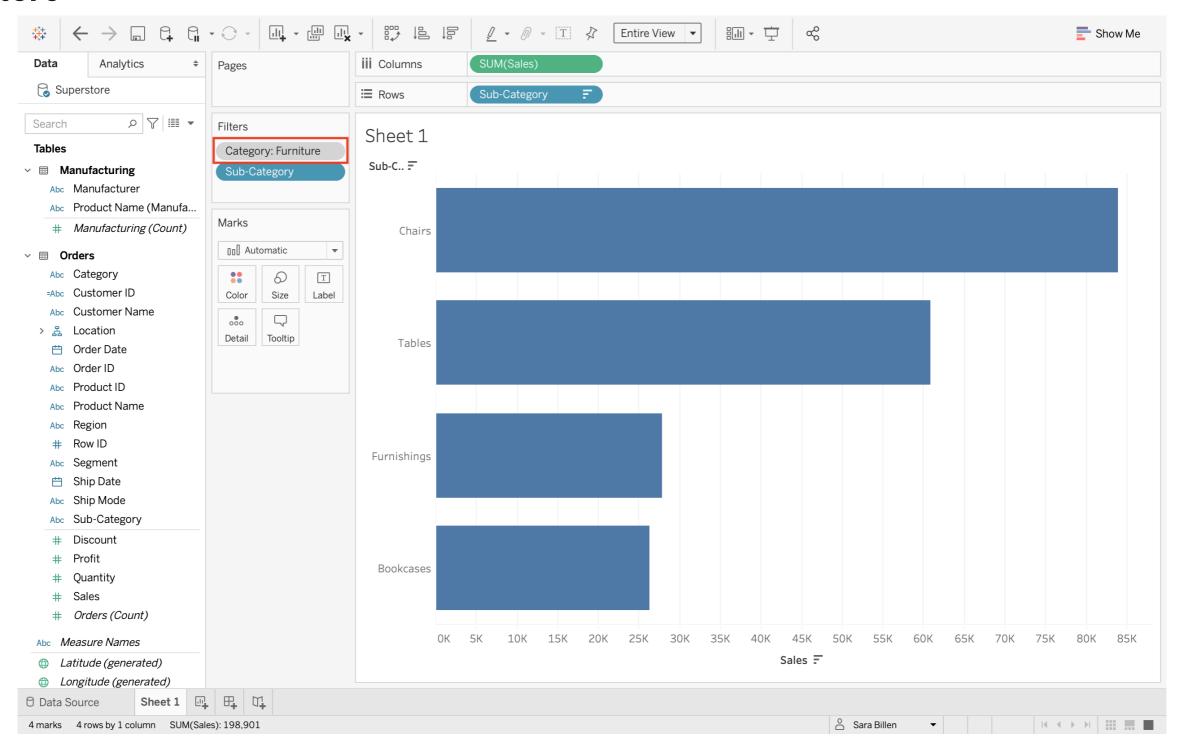


Data source filters





Context filters





Context filters example

Approach 1

1. Apply Dimension filter on Furniture

Category	Customer	Country	Sales
Furniture	Claire Gute	Germany	\$408
Office Supplies	Sean O'Donnell	United Kingdom	\$9
Technology	Brosina Hoffman	Austria	\$665
Furniture	Brosina Hoffman	Austria	\$115
Technology	Pete Thompson	United States	\$60

2. Apply Dimension filter on Country

Category	Customer	Country	Sales
Furniture	Claire Gute	Germany	\$408
Office Supplies	Sean O'Donnell	United Kingdom	\$9
Technology	Brosina Hoffman	Austria	\$665
Furniture	Brosina Hoffman	Austria	\$115
Technology	Pete Thompson	United States	\$60

Approach 2

1. Apply Context filter on Furniture

Category	Customer	Country	Sales
Furniture	Claire Gute	Germany	\$408
Office Supplies	Sean O'Donnell	United Kingdom	\$9
Technology	Brosina Hoffman	Austria	\$665
Furniture	Brosina Hoffman	Austria	\$115
Technology	Pete Thompson	United States	\$60

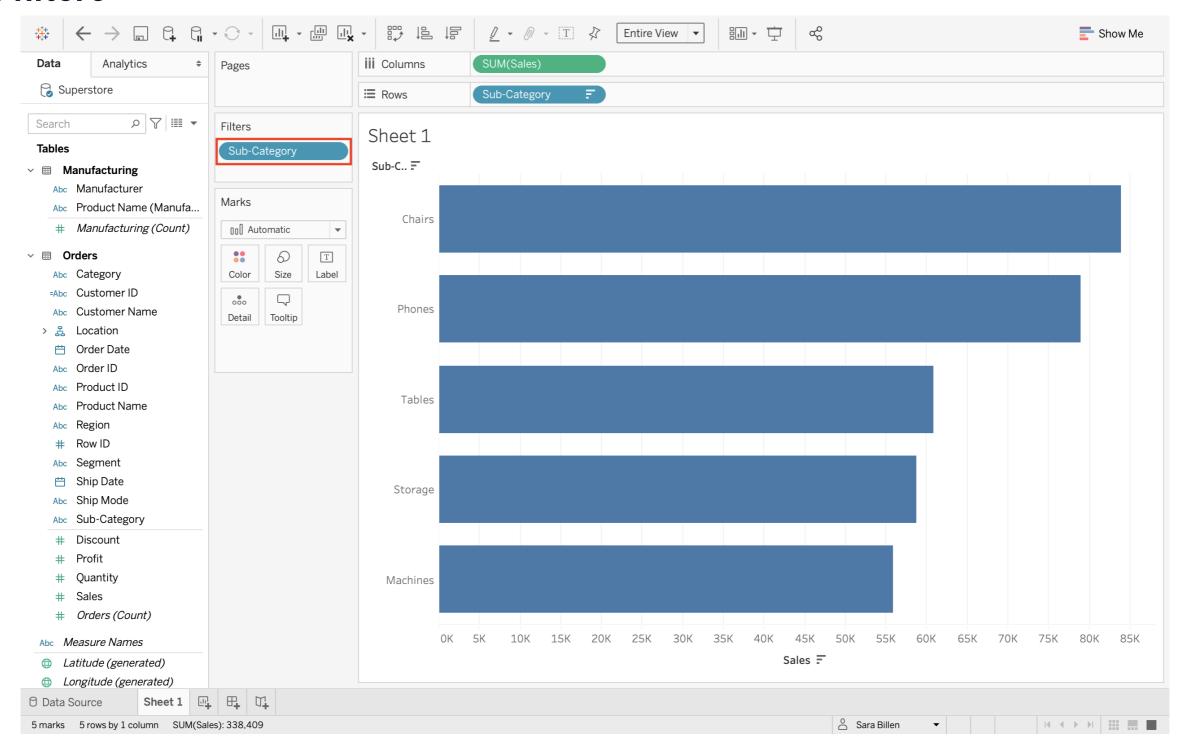
2. Apply Dimension filter on Country

Category	Customer	Country	Sales
Furniture	Claire Gute	Germany	\$408
Furniture	Brosina Hoffman	Austria	\$115

-> Improved performance

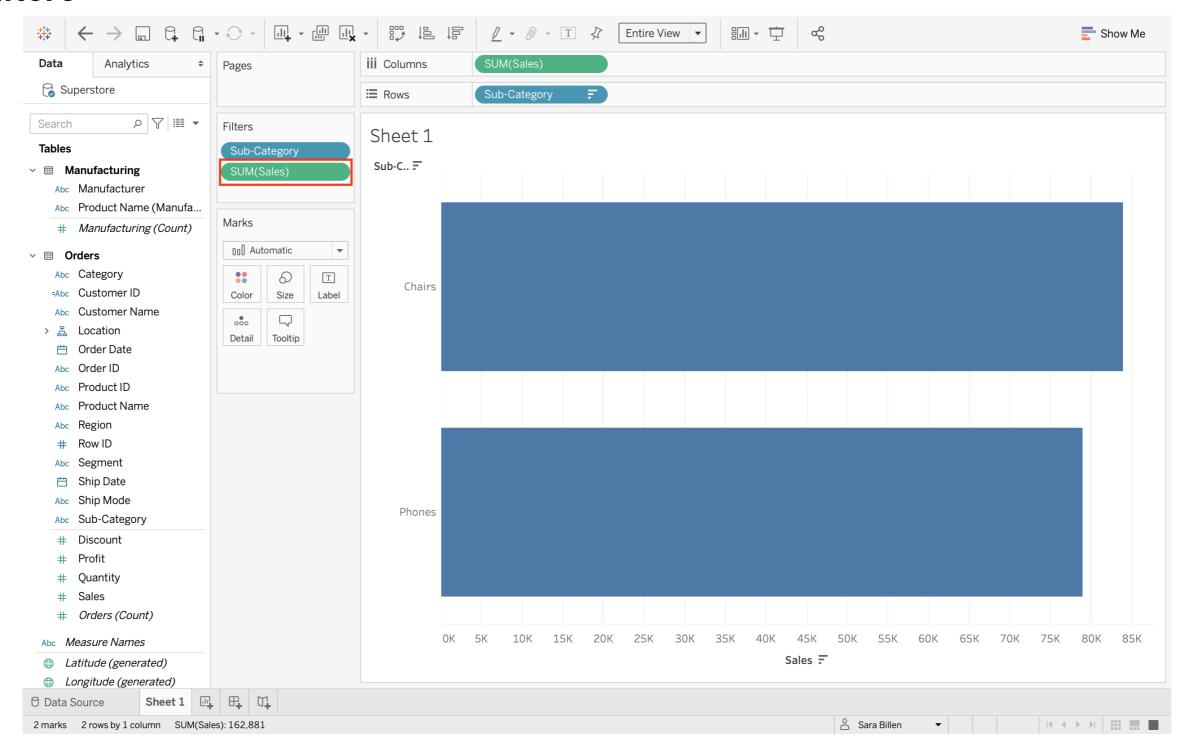


Dimension filters





Measure filters





Let's demo!



Tableau filters

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Let's practice!

