Google Data Studio

Data Set — Connector — Data Source

The underlying Data

Sheets   Analytics   MySQL   Other

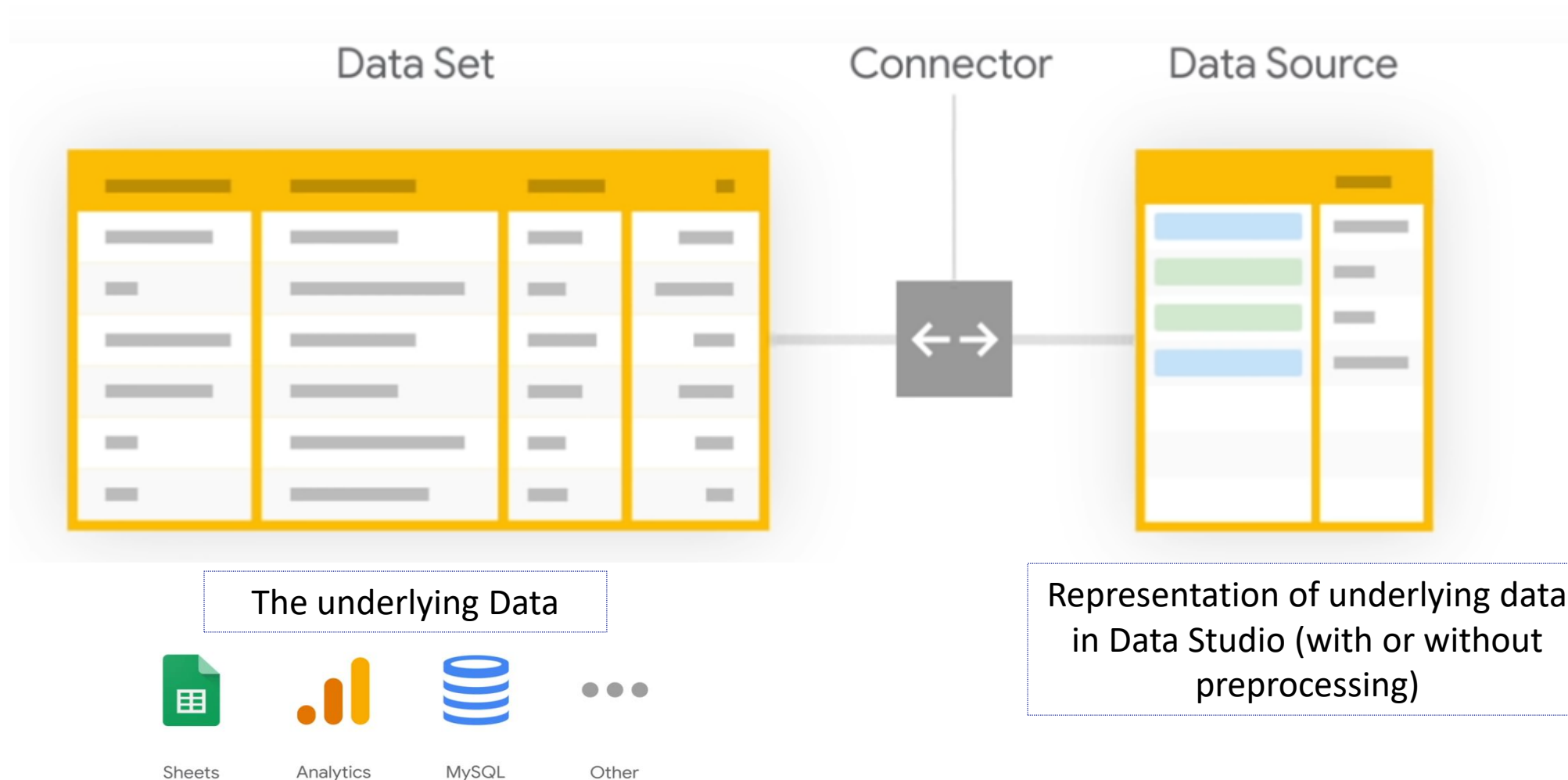Representation of underlying data in Data Studio (with or without preprocessing)

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Google Data Studio

Variables a.k.a. **Fields** in Columns

Order Line	Order ID	Order Date	Sales Amount	Quantity
1	CA-2016-152156	11/8/2016	262	2
2	CA-2016-152156	11/8/2016	732	3
3	CA-2016-138688	6/12/2016	15	2
4	US-2015-108966	10/11/2015	958	5
5	US-2015-108966	10/11/2015	22	2

Records in rows

Order Line	1	2	3	4
Order ID	CA-2016-152156	CA-2016-152156	CA-2016-138688	US-2015-108966
Order Date	11/8/2016	11/8/2016	6/12/2016	10/11/2015
Sales Amount	262	732	15	958
Quantity	2	3	2	5

Do NOT keep fields in rows

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Dimensions and Metrics

Dimensions

Dimensions are data categories.
For example: Order ID, Male/ Female, sales person name etc.

Metrics

Measurements on a numerical scale
For example: Sale amount, quantity sold, profit earned etc.

Order Line is a Dimension, not a metric

Order Line	Order ID	Order Date	Sales Amount	Quantity
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Google Data Studio

Session tasks

1. Open datastudio.google.com and sign-in with your Google account

2. Open Google Drive and choose to open a blank Google Sheet

3. Rename the sheet to "Covid Data"

4. In the first cell, write the formula

   =IMPORTHTML("https://www.worldometers.info/coronavirus/", "table",1)

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Google Data Studio

Session tasks

1. Click on **Create** button and select **Reports**

2. Complete the first time start-up options

3. Select the Google Sheet connector and Add "Covid Data" sheet

4. Hide the unwanted rows in the sheet

5. Untick "Include hidden and filtered cells" and click the **Add to Report** button

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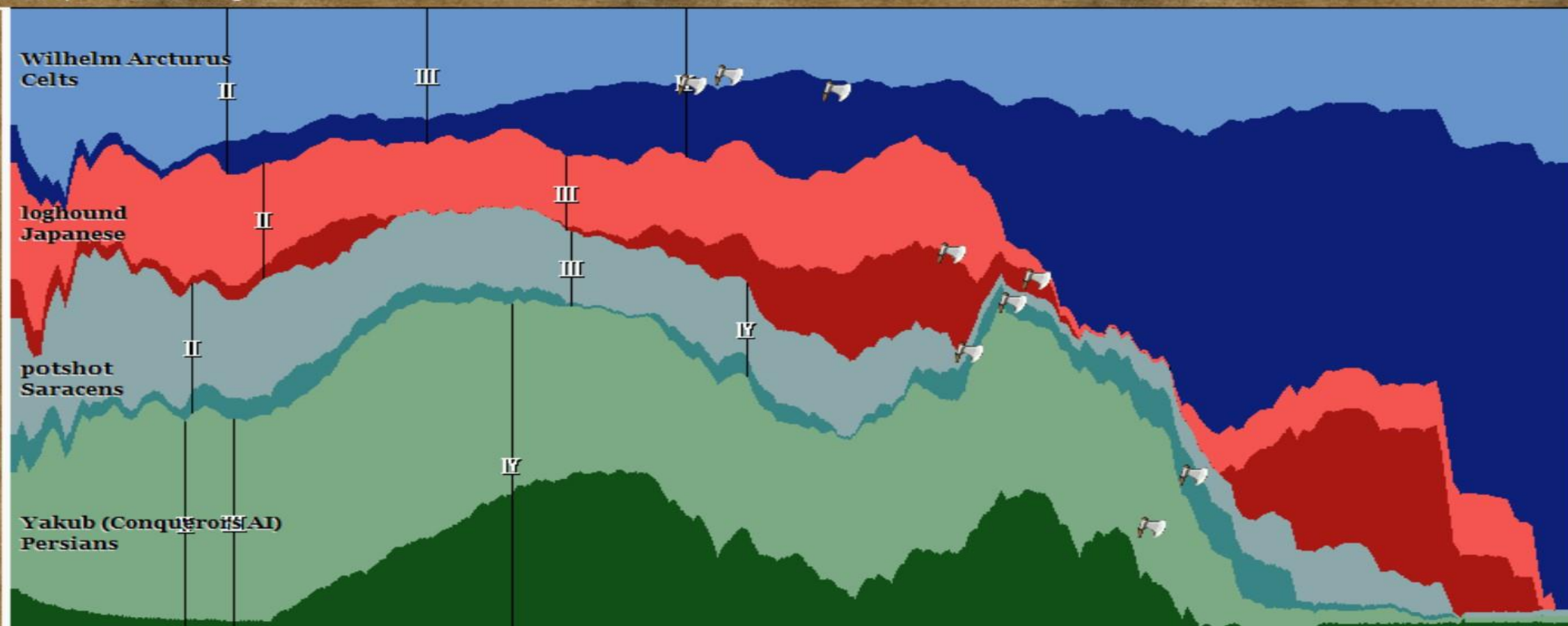# Google Data Studio

Session tasks

1. In "**Resource**" menu, open "**Manage Added Data Sources**" and click on **Edit**

2. Check the fields and their Data types

3. Disable **Record count** field

4. Create two new fields

   a) Worldwide cases   SUM(Total Cases)

   b) Death Rate   (Total deaths/ Total cases)

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Player's Population Percentage

Wilhelm Arcturus
Celts

loghound
Japanese

potshot
Saracens

Yakub (Conquerors)[AI]
Persians

| World Population | | 96 | 147 | 200 | 242 | 263 | 230 | 198 | 164 | 166 | 165 | 123 |
| Time (Hr:Min) | | 0:21 | 0:31 | 0:42 | 0:52 | 1:03 | 1:13 | 1:24 | 1:34 | 1:45 | 1:55 | 2:06 |

II Feudal
Age

III Castle
Age

IV Imperial
Age

Wonder
Construction

Wonder
Destruction

Battle
Event

Society Stats
Display the societal achievements of all players.

Return to Game

Score

Military
Stats

Economy
Stats

Technology
Stats

Society
Stats

Timeline