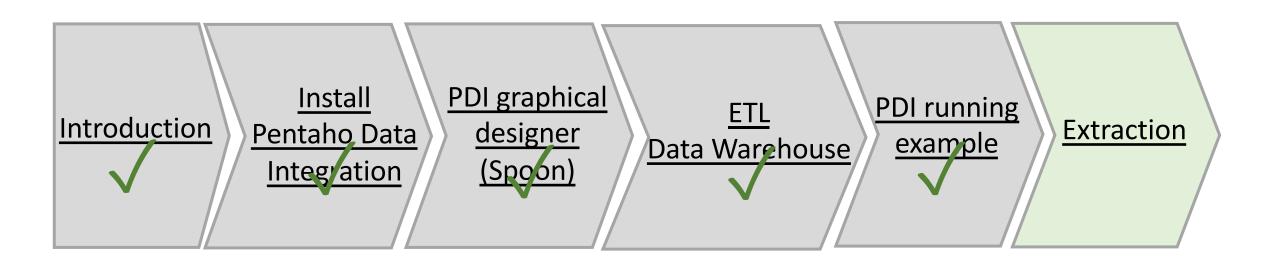
DATA ANALYTICS (Data Warehouse) Pentaho Data Integration

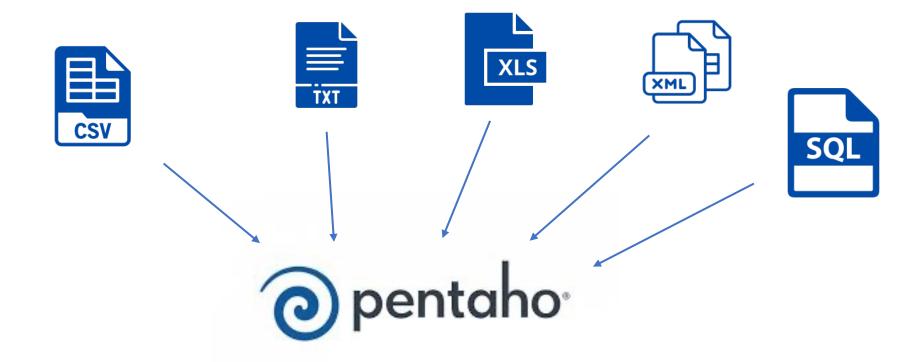
Luca Cinelli, PhD luca.cinelli@unical.it

Outline



Extraction

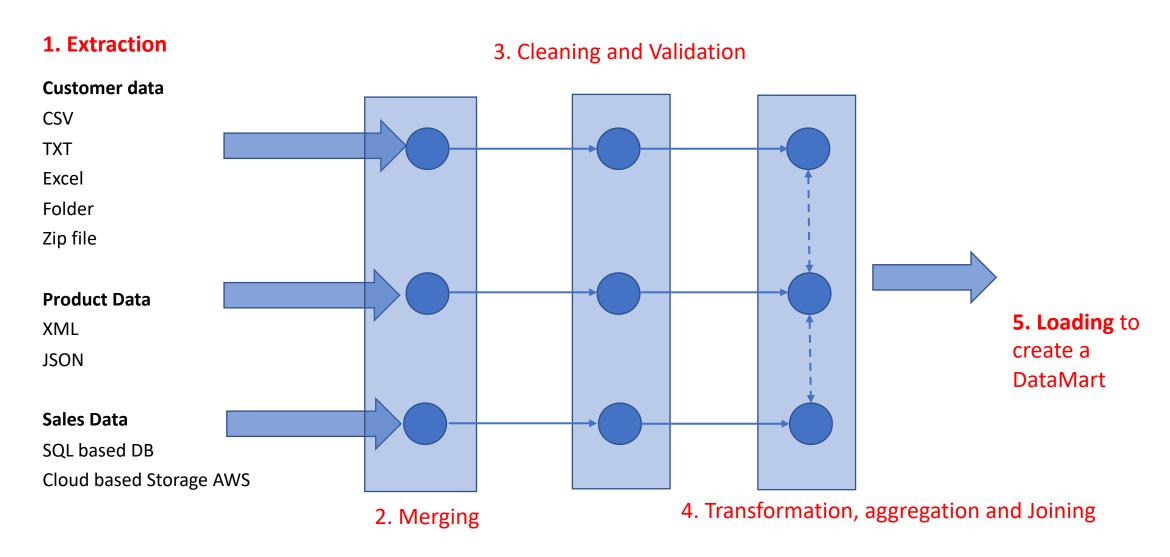
Data sources



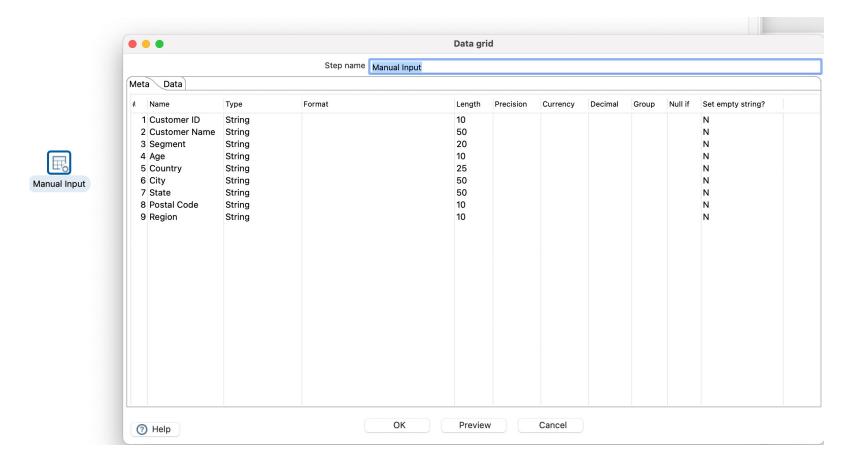
Example: Datasets

- 1. Sales Data
- 2. Customer Data
- 3. Product Data

Example: ETL problem scenario



Manually entering data into PDI (ManualInput.ktr)



- Manually entering data into PDI
- Import data from text file (TxtInput.ktr, input: CustomerData_Central.txt)

- Manually entering data into PDI
- Import data from text file
- Import data from multiple CSV file (MultipleFiles.ktr, input: customer_data_multiple_files)

- Manually entering data into PDI
- Import data from text file
- Import data from multiple CSV file version 2 (MultipleFiles_withGetFileName.ktr, input: customer_data_multiple_files)

- Manually entering data into PDI
- Import data from text file
- Import data from multiple CSV file
- Import data from excel file (ExcelInput.ktr, input: CustomerData_East.xlsx)

- Manually entering data into PDI
- Import data from text file
- Import data from multiple CSV file
- Import data from excel file
- Extract data from zip file (ZipInput.ktr, input: CustomerData_South.zip)

• Extract data from XML file (XMLInput.ktr, input: ProductDataAsXML.xml)

- Extract data from XML file
- Extract data from JSON file (JSONInput.ktr, input: ProductDataasJSON.js)