1. CSV -> JSON Schema describing the data

A program that will infer the data types from a CSV files and try to find relations or hierarchy between the columns. First this program will have a CLI, but later we will develop a web frontend for it.

- Datetime columns
- Categorical columns
- Hierarquical relation between columns.

Input: CSV File

Output: JSON Schema describing de model (JSON data source)

2. JSON Schema -> JSON Schema describing the Database Model

The database model could be a relational database, NoSQL or simple a flatfile. The reason of this JSON Schema describing the model is for the use of another program for the creation of the model in some backend.

Input: JSON Schema from 1

Output: JSON describing the model (JSON data model)

3. JSON Schema for the Model -> RESTful API

Program that create an API with endpoints from JSON data model and data source endpoints for data export or async requests.

Input: JSON Schema from 2

Output: Run a RESTful API

4. Data validation when importing data for the model created at 2