Data source  
Eurostat API

Data storage  
Postgres

Parsed data

JSON data

1. Python script connects to Postgres and creates 4 tables:  
   core (fact table);  
   unemployment;  
   vacancy;  
   population.
2. Python script retrieves data from Eurostat API and store locally in ‘json\_data’ folder in 3 json files:  
   data\_1: unemployment by country;  
   data\_2: number of vacancies by country;  
   data\_3: population by country.
3. Python script extracts id, country abbreviated name, country full name from data\_1.json to populate core (fact table) in Postgres DB.
4. Populates core table.
5. Python script extracts data from json files;  
   changes data type for keys from str to int;  
   for missing countries adds correct country id and None value  
   loads data into corresponding previously prepared tables.