

Open Data and Knowledge Graphs

Group 4

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Dataset

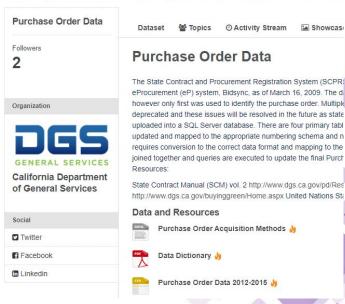
Dataset: Purchase order data of the State of California during the fiscal year 2014-2015

Link: https://data.ca.gov/dataset/purchase-order-data

- ✓ The dataset is related to the public procurement domain.
- Data is available in csv.
- ✓ The dataset has an open license.
- ✓ The data contains company names and locations that can be linked with generic real-world entities.
- ✓ There is documentation available for the dataset.



* / Organizations / California Department of ... / Purchase Order Data

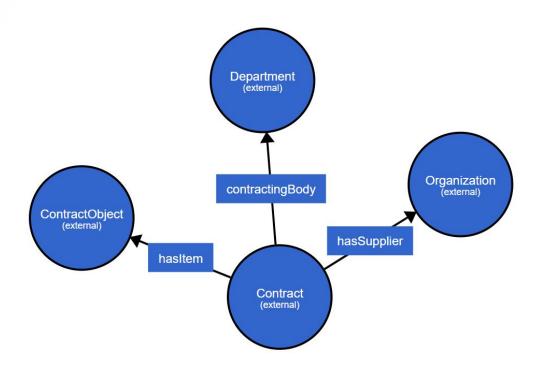




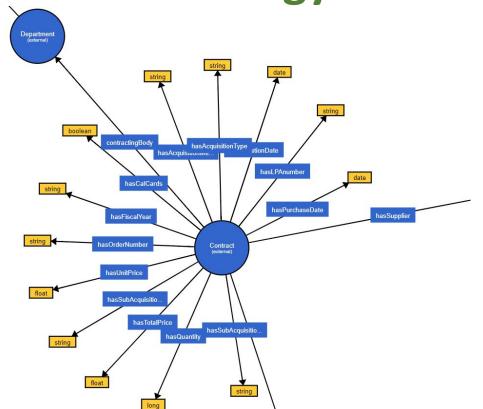
Resource naming strategy

| | Class | http://exercise.publicprocurement.es/about/ontology/group04pp/Classname |
|--|----------|---|
| | Resource | http://exercise.publicprocurement.es/about/resource/ResourceName |
| | Property | http://exercise.publicprocurement.es/about/ontology/group04pp/Property |

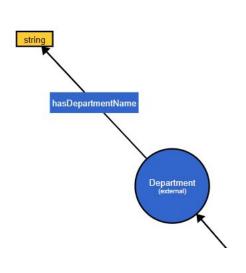


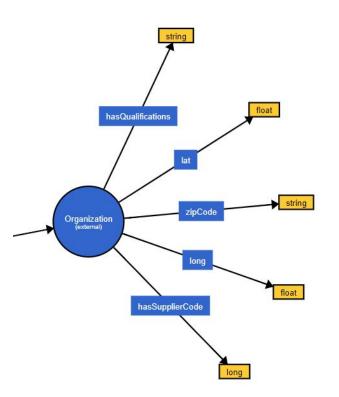




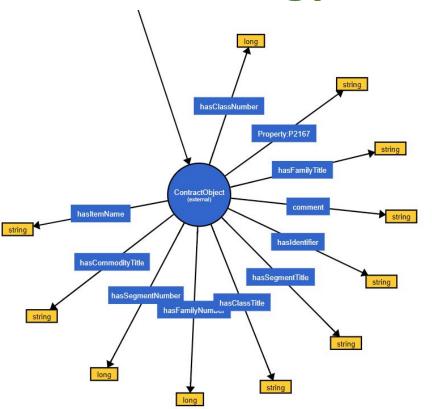






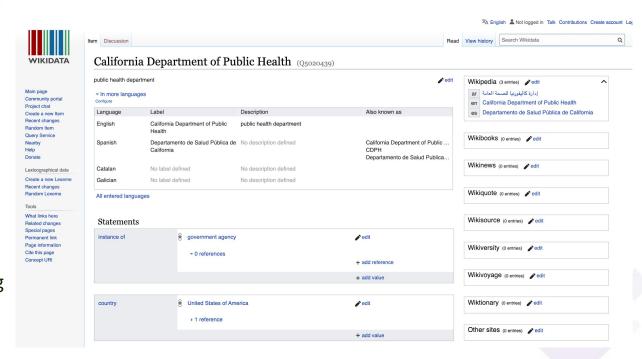








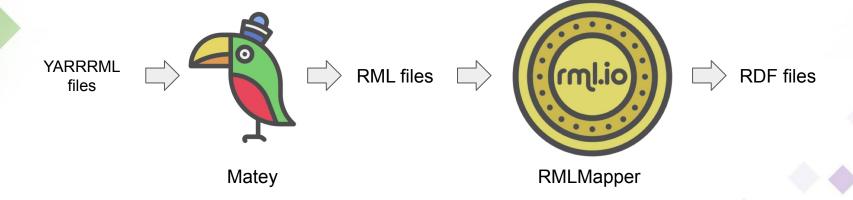
Linked Data



The departments are linked to Wikidata using OpenRefine extension.



Mapping & RDF generation





Application: SPARQL

- What are the classes
- What are the departments
- Who procured potatoes
- What did department of public health procured in Winter 2014?



Thanks for your attention!