A Novel Interface for Accessing SPARQL Endpoints

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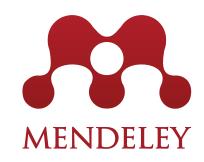


Commercially Empowered Linked Open Data Ecosystems in Research

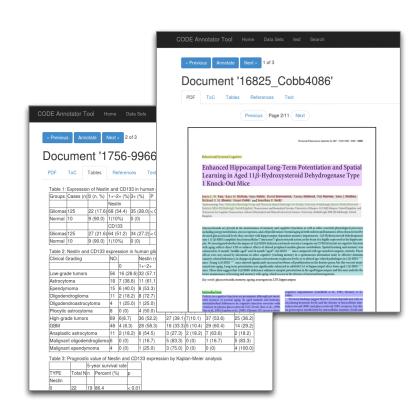
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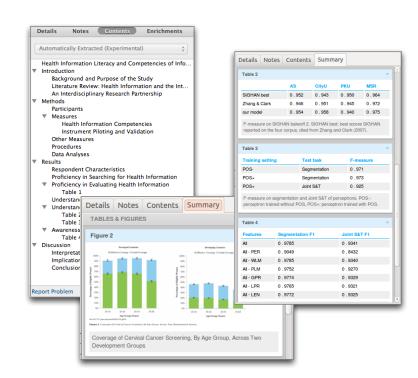




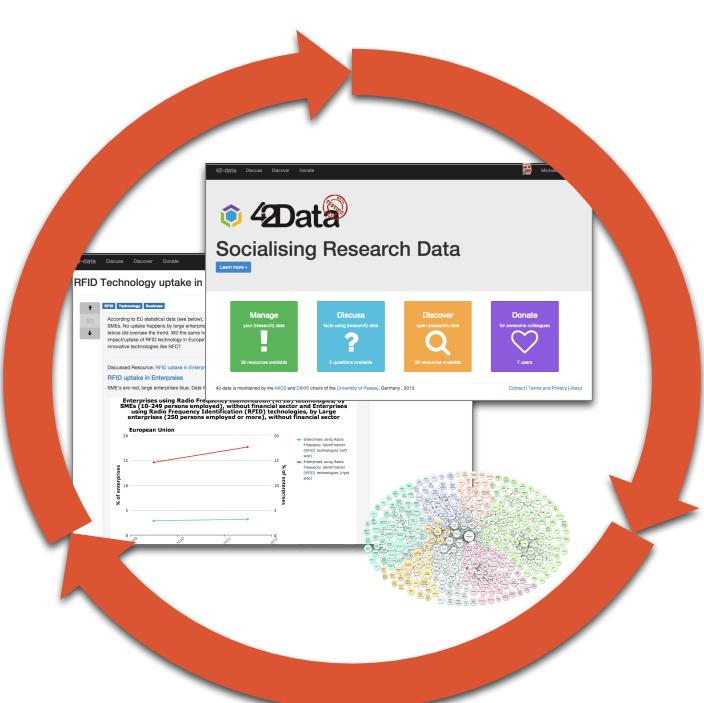




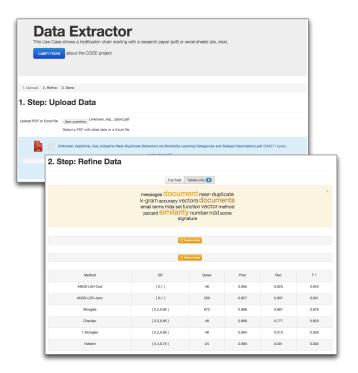
Fact Extraction





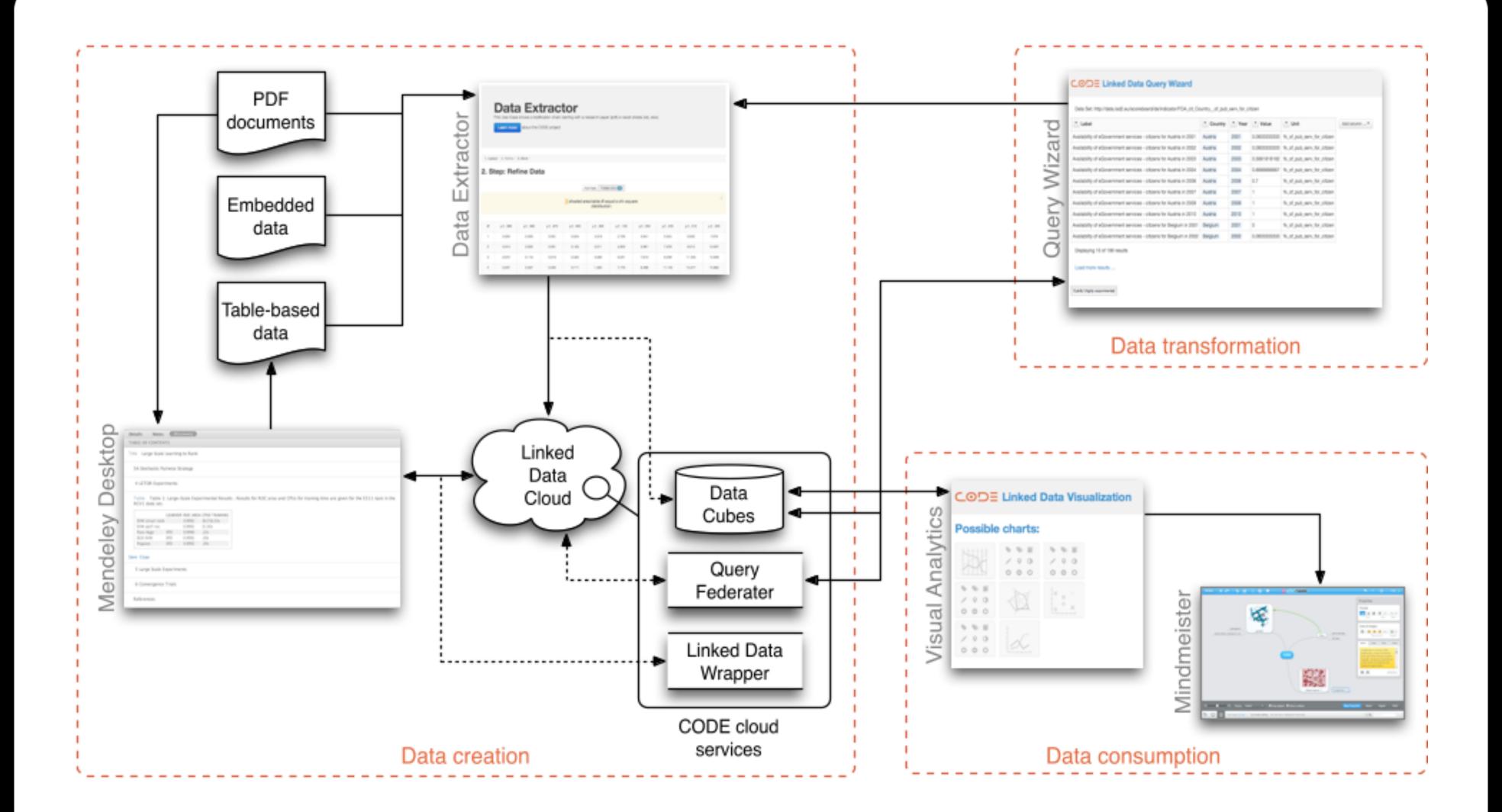


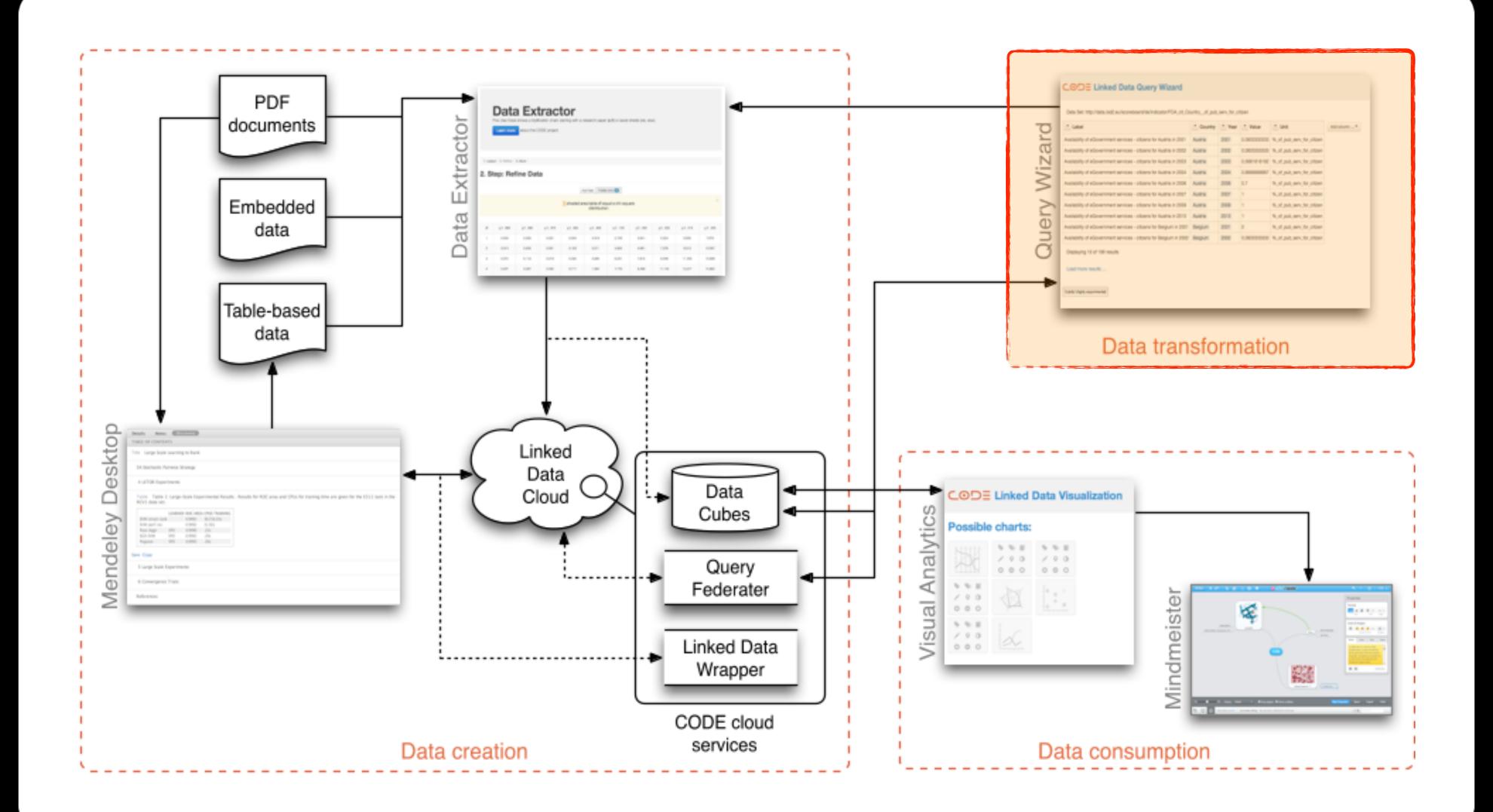
Share & Commercialize



Data Integration & Visual Analytics

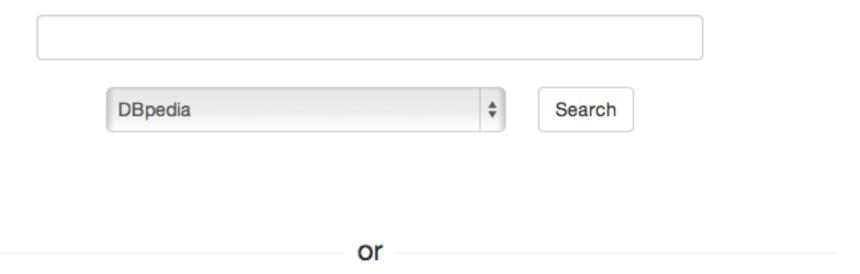




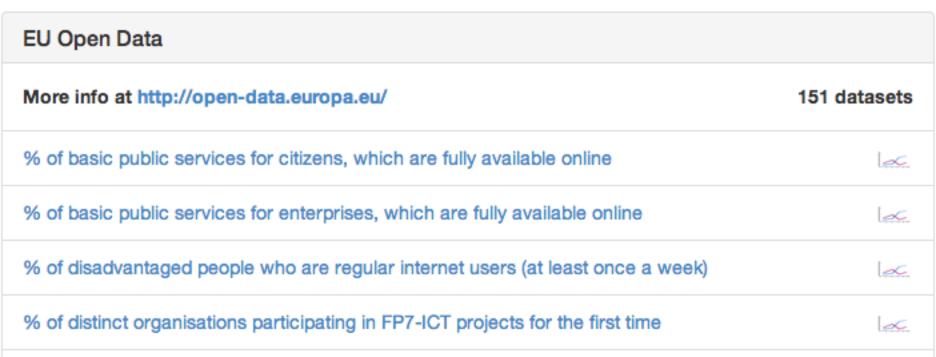


- Search Linked Data in SPARQL endpoints using simple full-text search
- Explore Available Datasets provided as RDF Data Cubes

Search Linked Data



Show Available Datasets



Endpoint Statistics

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- Results are displayed as a table similar to spreadsheet applications
 - Rows → Subjects
 - Columns → Predicates
- Filters can be set according to column type (text, URI, number, date)

II Visualize this dataset

■ MindMap the 10 displayed results

■ Aggregate this dataset

■ For the Geeks

■ For the Geeks ■

% of basic public services for citizens, which are fully available online

No description available (Source: EU Open Data)

Country +	Year →	Value ▼	Unit -	Label -
Austria ▼	2001 ▼	0.0833333333	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2001
Austria ▼	2002 🕶	0.0833333333	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2002
Austria ▼	2003 ▼	0.5681818182	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2003
Austria ▼	2004 ▼	0.6666666667	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2004
Austria ▼	2006 ▼	0.7	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2006
Austria ▼	2007 ▼	1	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2007
Austria ▼	2009 🕶	1	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2009
Austria ▼	2010 🕶	1	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Austria in 2010
Belgium ▼	2001 🕶	0	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Belgium in 2001
Belgium ▼	2002 🕶	0.0833333333	%_of_pub_serv_for_citizen	Availability of eGovernment services - citizens for Belgium in 2002

Add column ... ▼

Displaying 10 of 199 results

Load 10 more results

Load 100 more results

Endpoint Statistics

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Save the 3 displayed results to the Q&A Portal Visualize the 3 displayed results MindMap the 3 displayed results ♦ For the Geeks ▼ ▼ Tom Hanks ▼ Starring -First appearance of ▼ ▼ "toy story" マ Budget (\$) ▼ Gross (\$) ▼ Director **▼** 361,958,736 **Toy Story** 30,000,000 Buzz Lightyear ▼ Annie Potts ▼ John Lasseter -Don Rickles ▼ Sheriff Woody ▼ Erik von Detten 🕶 Jim Varney 🕶 John Morris (actor) ▼ John Ratzenberger ▼ Laurie Metcalf ▼ Tim Allen ▼ Tom Hanks ▼ Wallace Shawn ▼ 485,015,179 Toy Story 2 90,000,000 Jessie (Toy Story) ▼ Joan Cusack -John Lasseter -Kelsey Grammer ▼ List of Toy Story characters ▼ Tim Allen ▼ Tom Hanks ▼ Toy Story 3 1,063,171,911 200,000,000 Blake Clark ▼ Lee Unkrich ▼ Don Rickles ▼ Estelle Harris ▼ Joan Cusack -Jodi Benson -John Morris -John Ratzenberger ▼ Michael Keaton ▼ Ned Beatty ▼ Tim Allen ▼ Tom Hanks ▼ Wallace Shawn ▼

Add column ... ▼

Endpoint Statistics

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- Users can explore Linked Data by "focusing" on an entity
- Users can easily aggregate RDF Data Cubes displaying average, count, maximum, minimum and sum of selected values

- Linked Data can be visualized using the CODE Visualization Wizard
- Result tables can be turned into Mind Maps with a single click using the MindMeister mind mapping service

Try the prototype yourself at code.know-center.tugraz.at

Put the data into context at 42-data.org

Thanks:)

Questions?