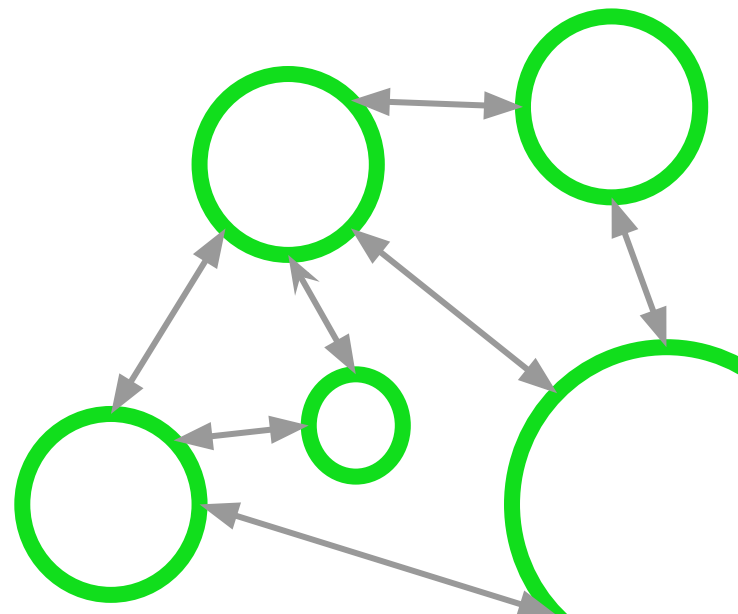






**Semantic
Web**



FIB

Aleksei Karetnikov
Maksim Hrytsenia



Semantic web in real life




Privatsphäre, vereinfacht.  


[Web](#) [Bilder](#) [Videos](#) [Nachrichten](#)

☐ Spanien ☐ Sichere Suche: Streng ☐ Irgendwann


Barcelona Card - Freier Eintritt & Freie Fahrt WERBUNG

Barcelona günstig, bequem & einfach entdecken. Zeit & Geld sparen!
turbopass.de  Werbung melden


Die 10 Besten Restaurants in Barcelona 2018 (mit Bildern ...)

Barcelona Essen und Trinken: Auf TripAdvisor finden Sie 1.194.941 Bewertungen von 10.498 Barcelona Restaurants, Bars und Cafés - angezeigt nach Küche, Preis und Lage.
 https://www.tripadvisor.de/Restaurants-g187497-Barcelona_Catalonia.html


Restaurant-Empfehlungen in Barcelona


Für Fisch oder Meeresfrüchte ist die ehemalige Fischergegend Barceloneta nahe dem Strand von Barcelona die erste Adresse. Im Gotischen Viertel (Barri Gòtic) in ...
 <https://www.barcelona.de/de/barcelona-restaurants.html>

Die besten Restaurants in Barcelona | The TravelLette

Hier findet ihr meine ultimative Liste an besten Restaurants in Barcelona. Von Tapas zu Paella, abseits der Touristenpfade. Tipps zum essen in Barcelona.
 thetravellette.com/die-besten-restaurants-in-barcelona/


The 50 best restaurants in Barcelona - Time Out


Whether you fancy Catalan, Italian, Basque, French or Asian, you'll find quality, mouth-watering cuisine in these 50 best restaurants in Barcelona.
 <https://www.timeout.com/barcelona/restaurants/the-50-best-restaur...>




© OpenStreetMap


1. Ciudad Condal

 766 reviews
\$\$ · Tapas Bars, Spanish
Rambla de Catalunya, 18





2. La Pepita


 328 reviews
\$\$ · Tapas Bars, Pubs
Carrer de Còrsega, 343



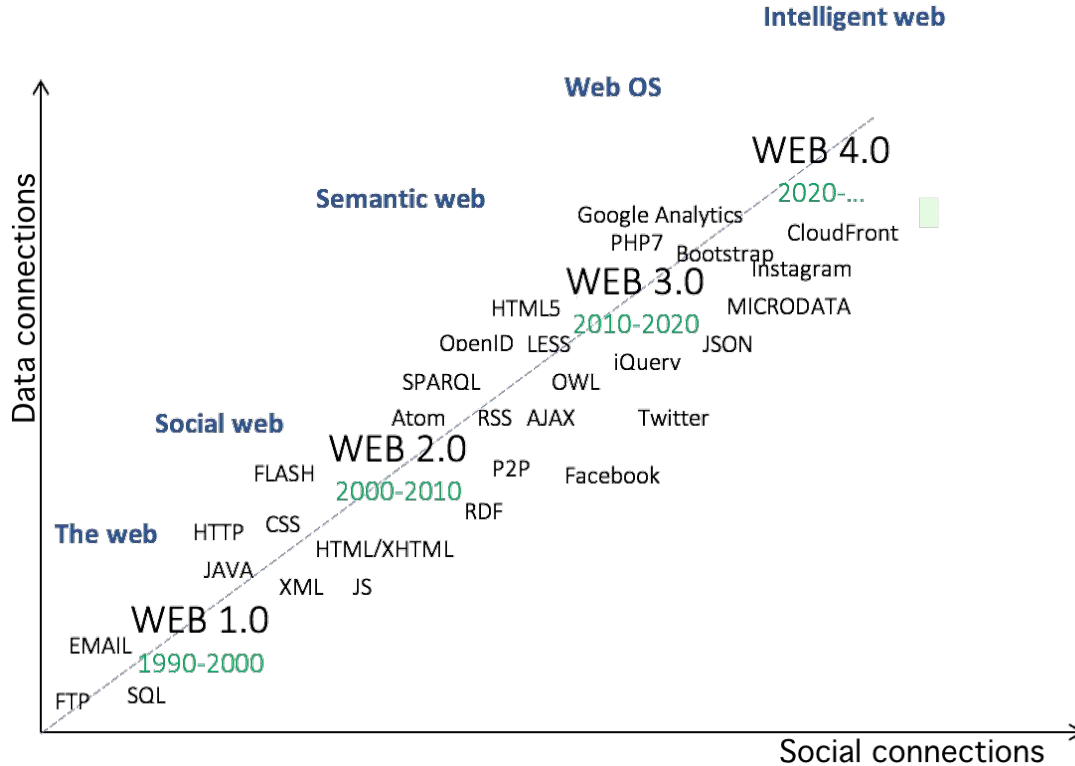
3. Tucco Real Food

 433 reviews
\$ · Argentine, Italian
Carrer dels Còdols, 27



 [Mehr auf Yelp](#)

Web versions



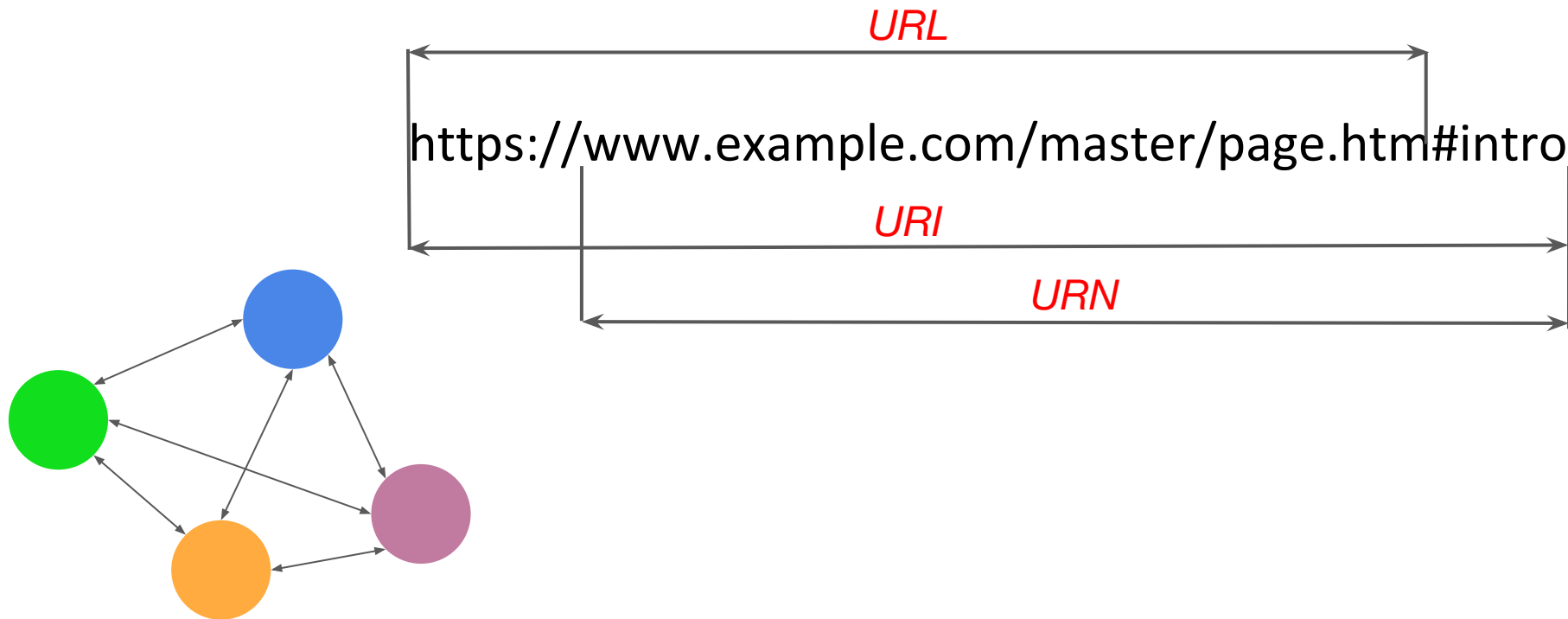
Web 1.0

Web 2.0

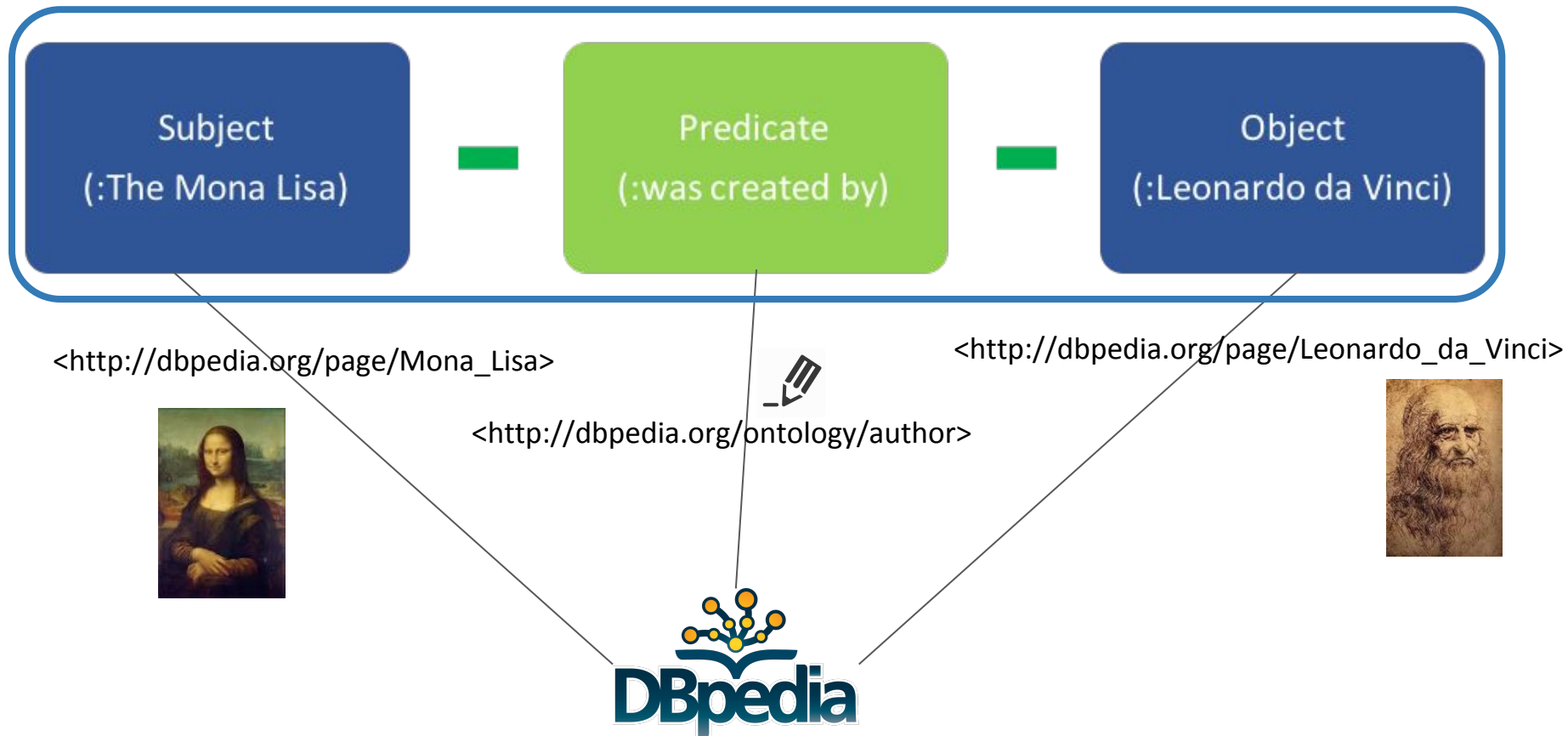
Web 3.0

URIs

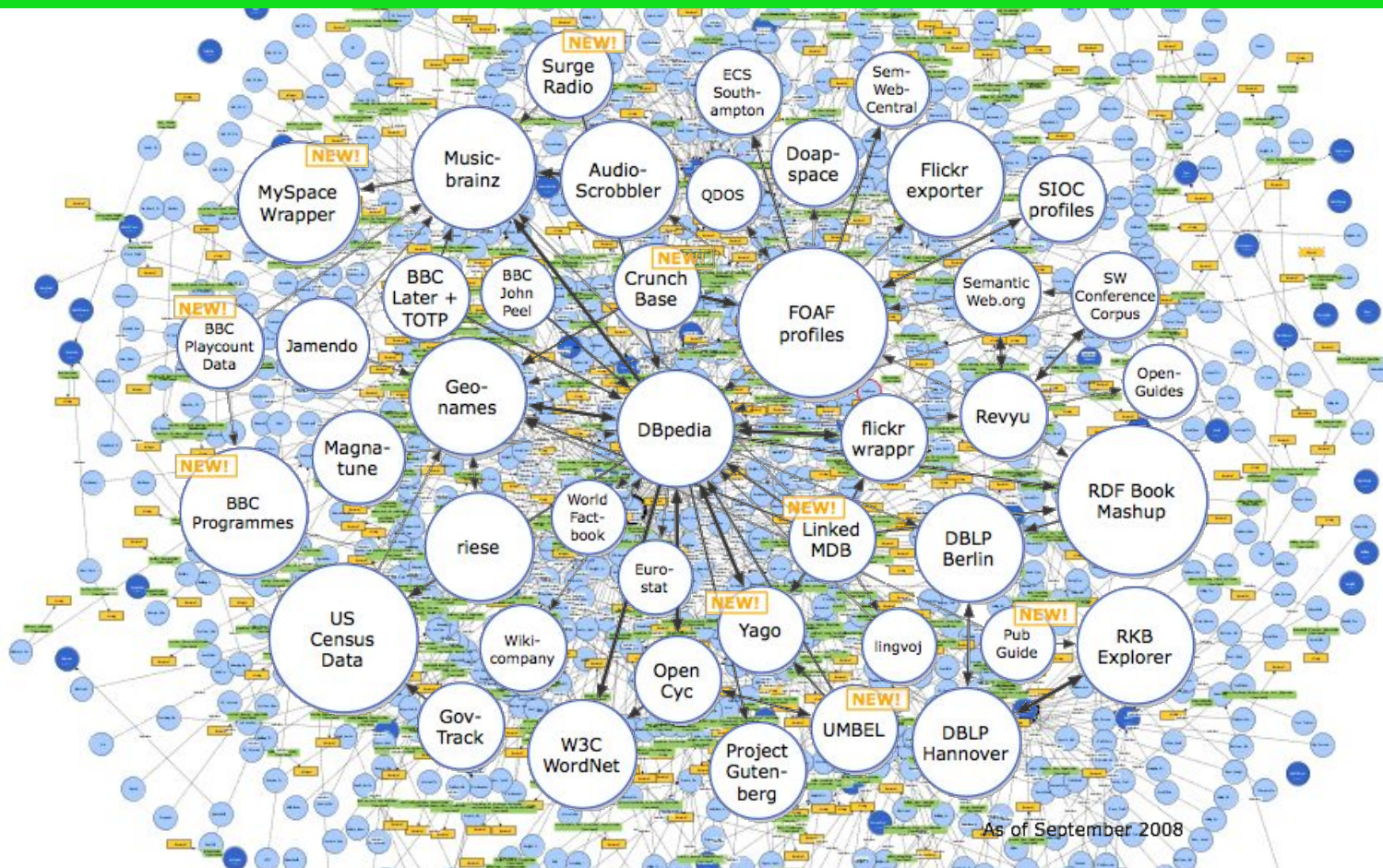
"Anything can link to anything"



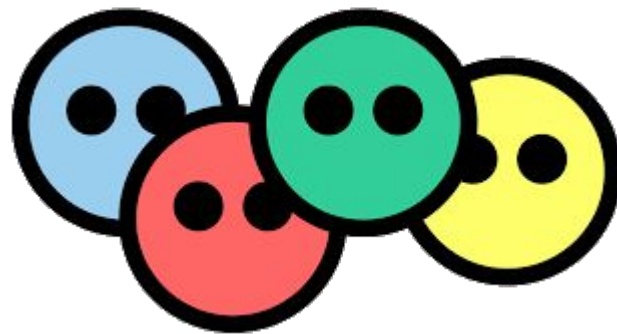
RDF triples



Ontologies (Vocabularies)



Vocabularies



FIBO

Financial Industry Business Ontology

 Dublin Core Metadata Initiative

Schema.org

- Thing

- Action

- AchieveAction

- LoseAction

- TieAction

- WinAction

- AssessAction

- ChooseAction

- VoteAction

- IgnoreAction

- ReactAction

- AgreeAction

- DisagreeAction

- DislikeAction

- EndorseAction

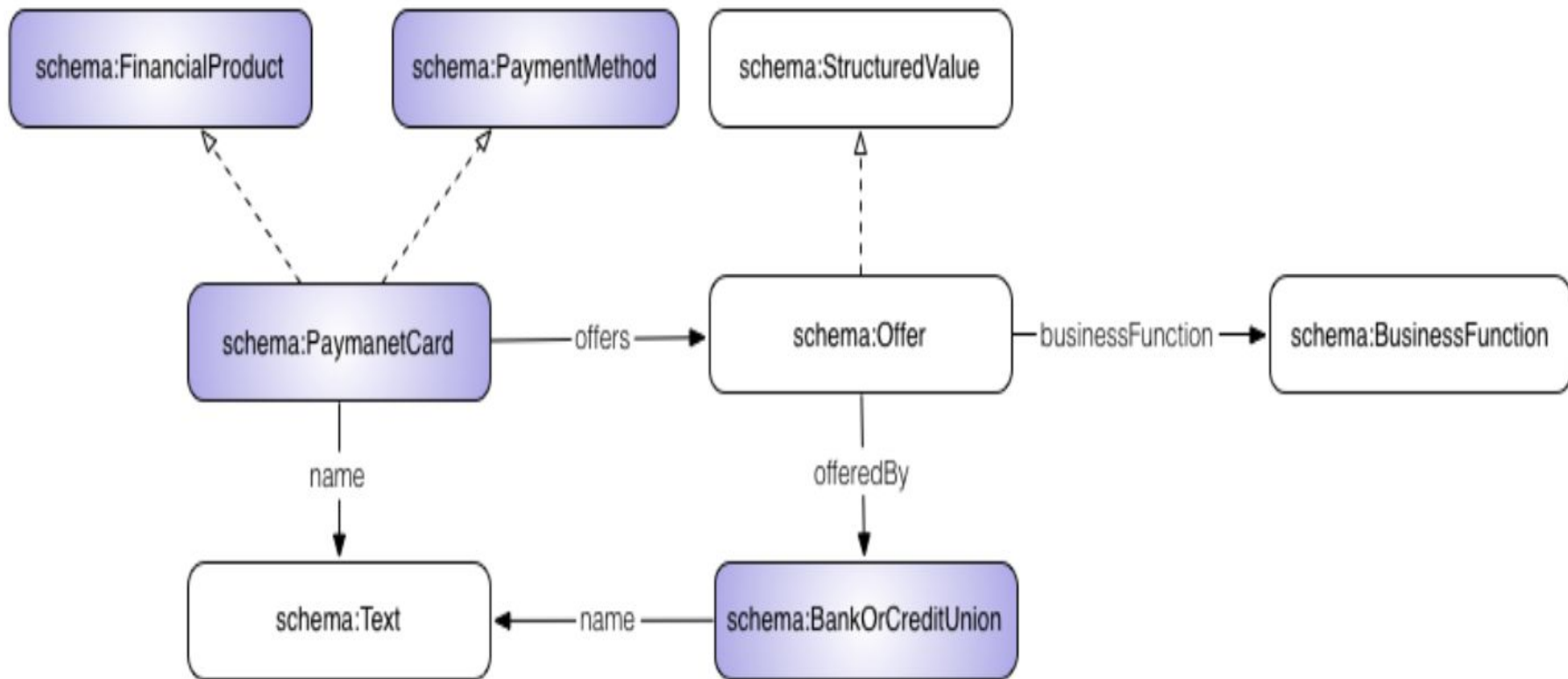
- LikeAction

- WantAction

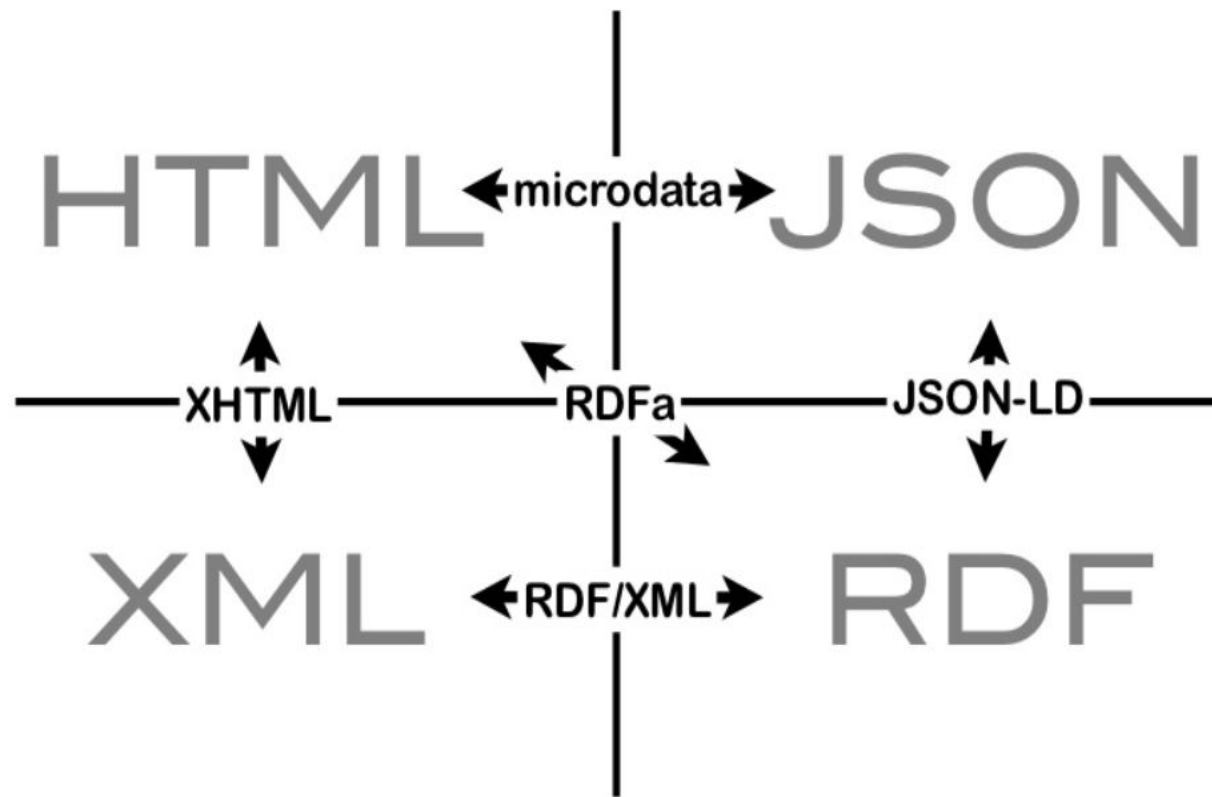
- ReviewAction



Schema.org



Formats and relationships



RDF is



a standard for
data interchange

RDFa

vocabulary

type

resource

```
<p vocab="http://schema.org/" typeof="Thing" resource="#rdf">
  This is
  <span property="name">RDF</span>
  and you can read more about me at
  <a property="url" href="https://www.w3.org/TR/rdfa-lite/">my homepage</a>.
  I am a pioneer in <span property="foaf:Topic"> Semantic Web.</span>
</p>
```

different
vocabulary

Microdata

patatas bravas recipe



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Settings Tools

About 519,000 results (0.49 seconds)

Directions

1. Combine potatoes, 2 cups olive oil, and 3 teaspoons salt in a large cold skillet. Heat on low and cook until potatoes are softened, 12 to 15 minutes. ...
2. Heat 3 tablespoons olive oil in a large saucepan over medium heat. ...
3. Serve patatas bravas with tomato puree and and mayonnaise for dipping.



[Authentic Patatas Bravas Recipe - Allrecipes.com](https://www.allrecipes.com/recipe/228954/authentic-patatas-bravas/)

<https://www.allrecipes.com/recipe/228954/authentic-patatas-bravas/>

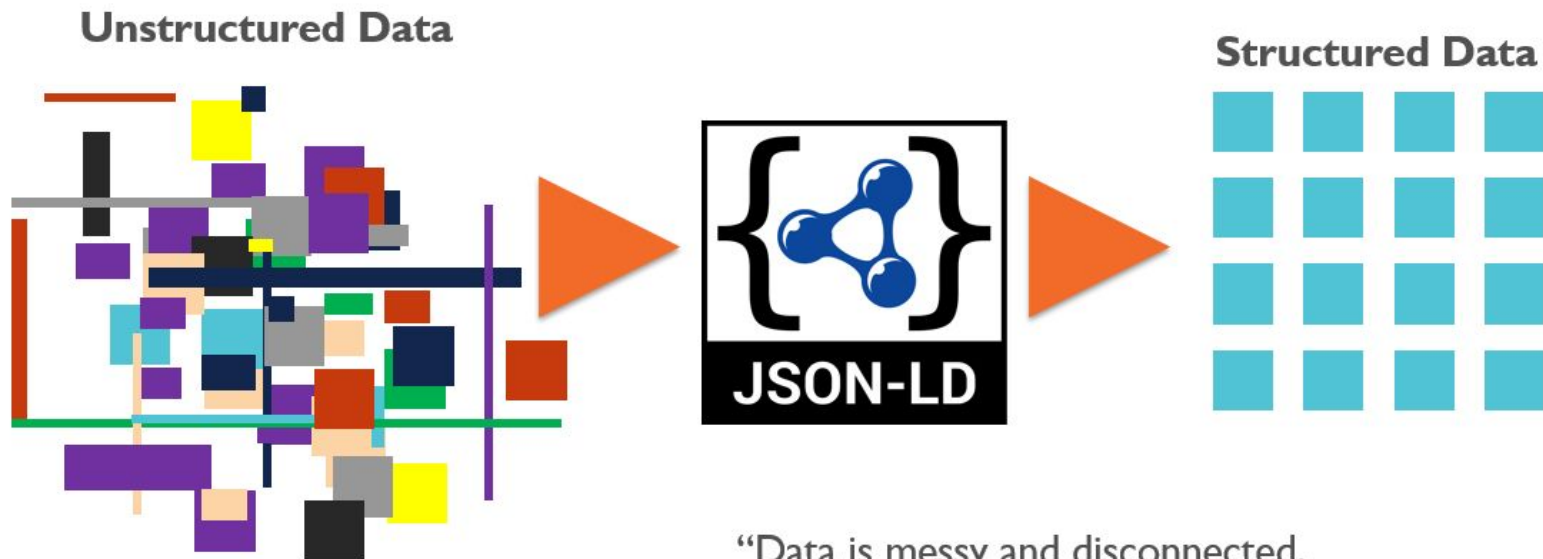


Microdata

```
<dl itemscope ← Scope
  itemtype="http://schema.org/Book" ← Type
  itemid="urn:isbn:0-330-34032-8" > ← Global Id
<dt>Title
<dd itemprop="name">The Reality Dysfunction
<dt>Author
<dd itemprop="author">Peter F. Hamilton ← Property
<dt>Publication date
<dd><time itemprop="datePublished" datetime="1996-01-26">26 January 1996</time>
</dl>
```

JSON-LD

What does JSON-LD do?



“Data is messy and disconnected.
JSON-LD organizes and connects it,
creating a better Web.”

JSON-LD example

```
<script type='application/ld+json'>
```

← It is a script

```
{  
  "@context": {  
    "@vocab": "http://www.schema.org/",  
    "friends": {  
      "@container": "@list"  
    }  
  },  
  "@type": "Person",  
  "familyName" : "Doe",
```

← Specifies the object
main information

← Type

```
  "address": {  
    "@type": "postalAddress",  
    "addressLocality": "Barcelona",  
    "addressCountry": "Spain"  
  },  
  "friends": ["Chuck Norris", "Bill Gates"]  
}  
</script>
```

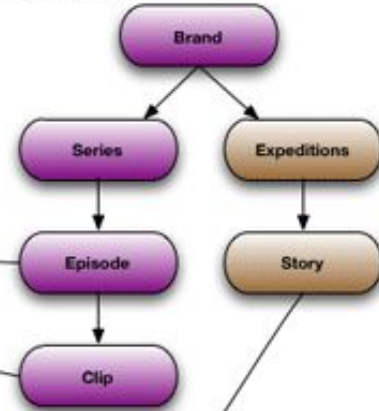
← Nested
object

News Stories



DBpedia URI
or known URL

Programmes

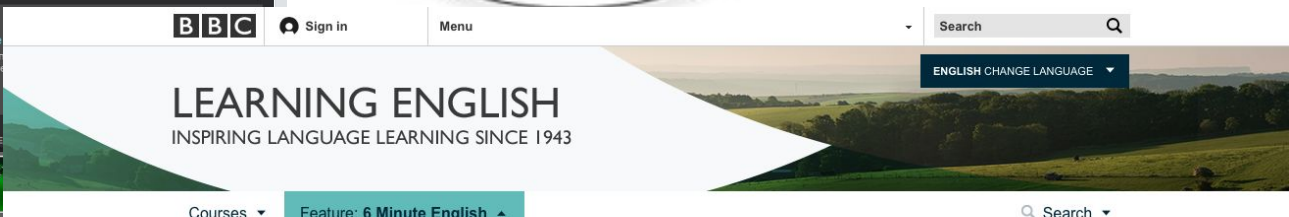
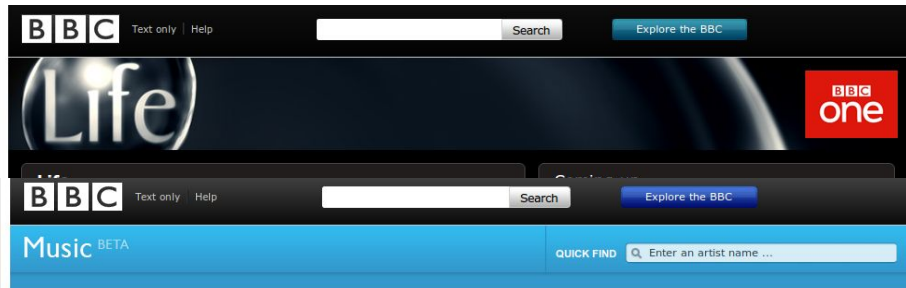
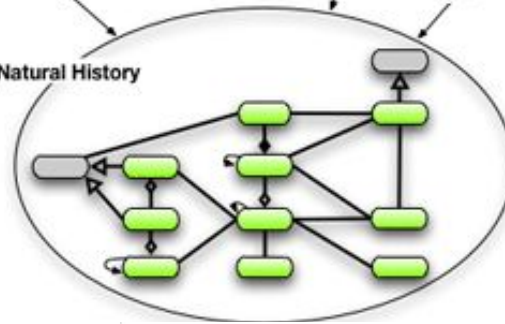


DBpedia URI

DBpedia URI

Known URI

Natural History



Facebook Open Graph



BRIGHTEDGE **BrightEdge**

April 4 • 🌐

A **#content** distribution strategy is vital to the success of any **#marketing** plan. 86% of B2B marketers use content marketing, but only 21% actually track **#ROI**. Learn the three steps to maximizing ROI in a new era of content marketing. <http://ow.ly/10gssU>



Three Steps to Maximizing ROI in a New Era of Content

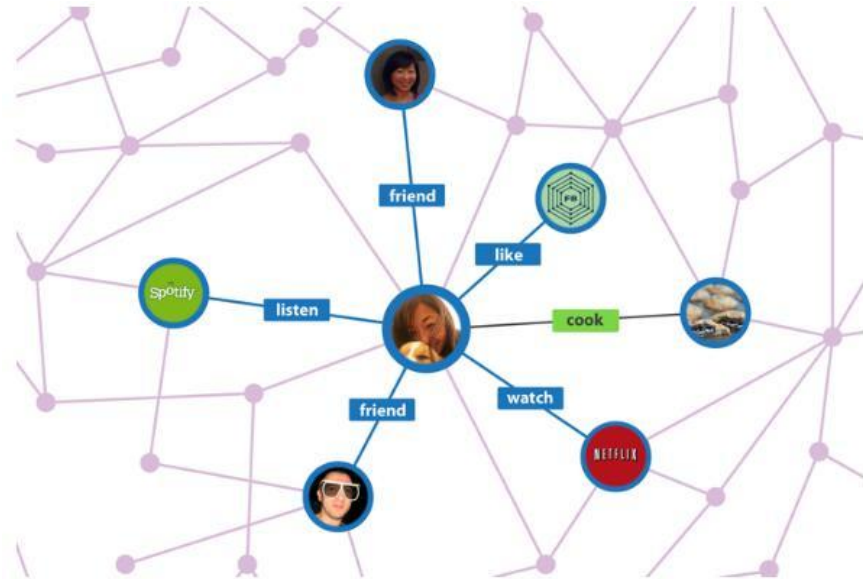
Content - Most CMOs view content as the future of marketing. But the job doesn't end with simply producing content... Making sure it performs is...

MARKETINGPROFS.COM

og: image

og: title

og: description



OpenStreetMap Semantic Network



OpenStreetMap



OpenStreetMap
The Free Wiki World Map

Search

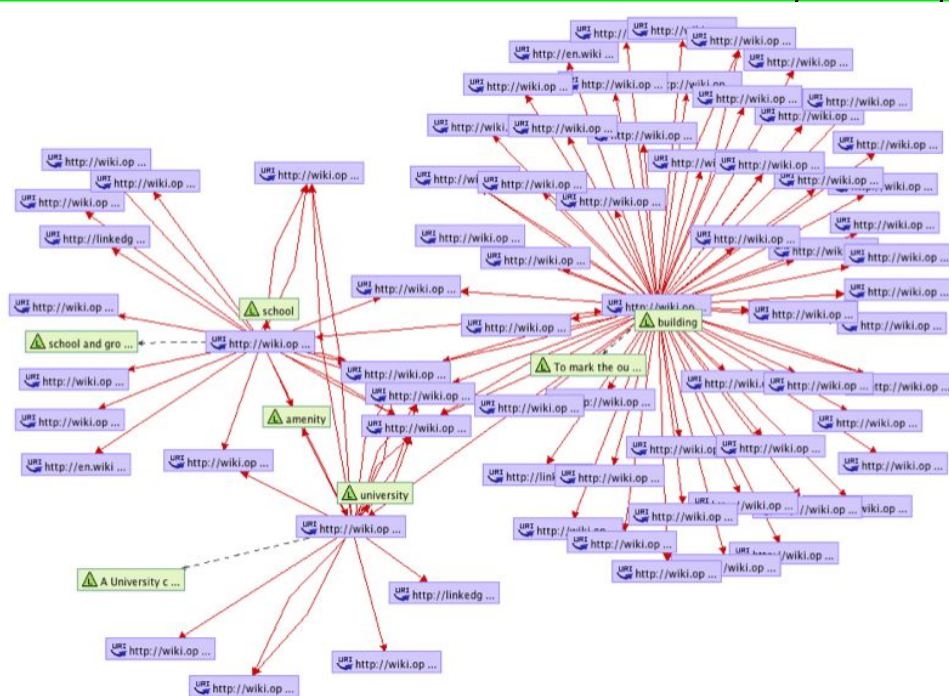
Where am I?

Austin Texas

Go

examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' [more examples...](#)

OpenStreetMap is a free editable map of the whole world. It is made by people like you.



Instead of Conclusion

