

# Resource Description Framework

*for curators*



Edward Anderson

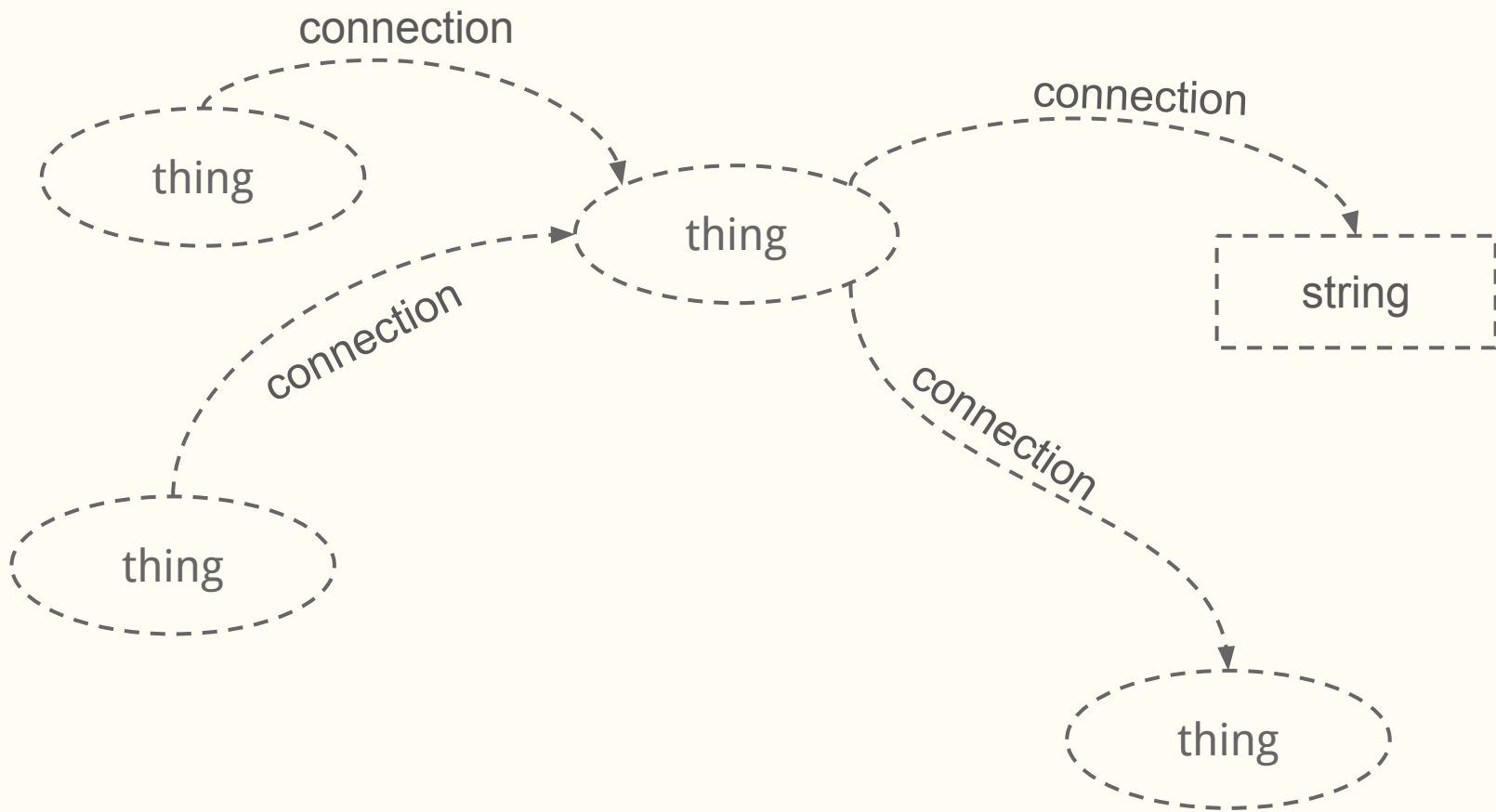
[e.anderson@rijksmuseum.nl](mailto:e.anderson@rijksmuseum.nl)

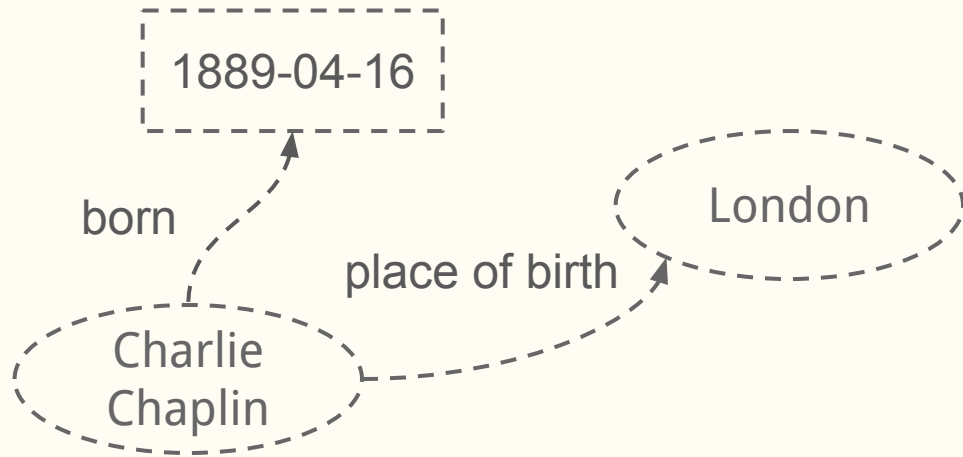
A framework for describing  
things and the connections  
between them.

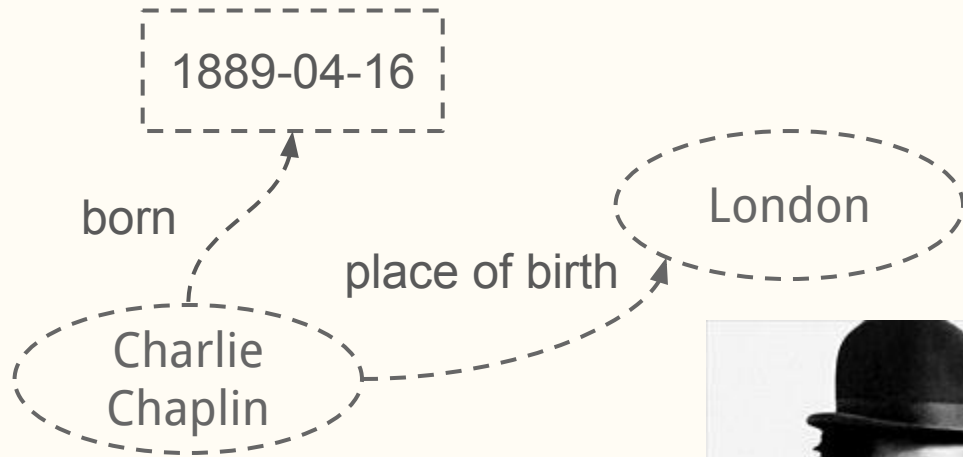


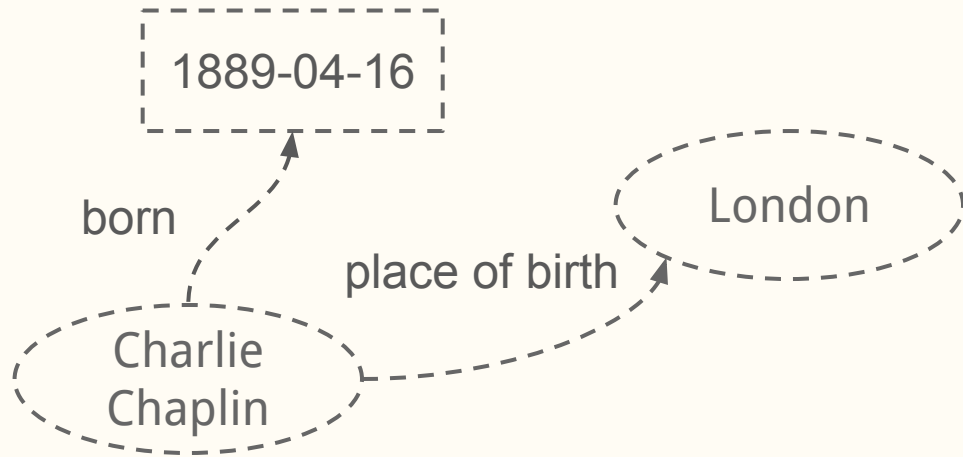
Promotional photograph of the box art and packaging for RDF, a software framework which you can use for describing things and the connections between them. On the front of the box, it very clearly says, "RDF Connections between things". Make sure you also show the specifications and documentation that comes inside the box spread out on the table.

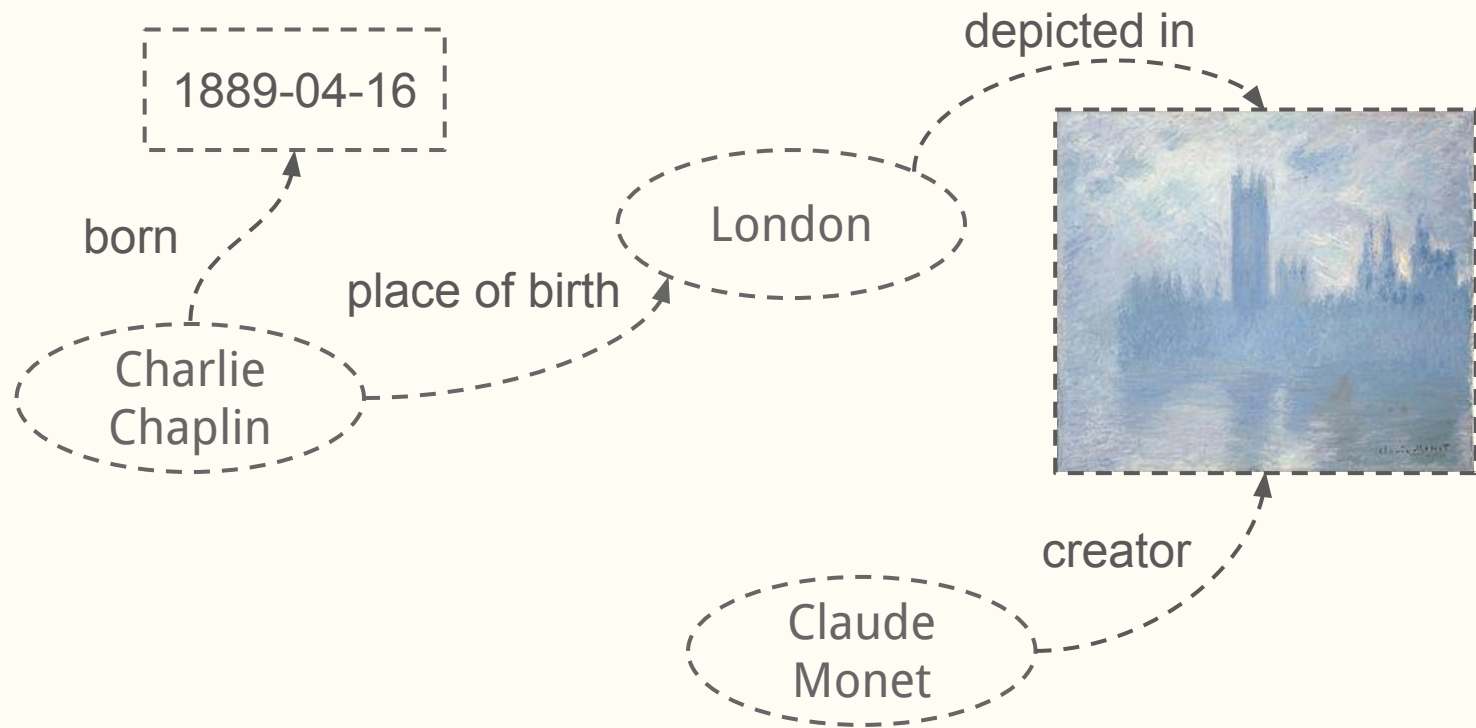
<https://fastflux.ai/>



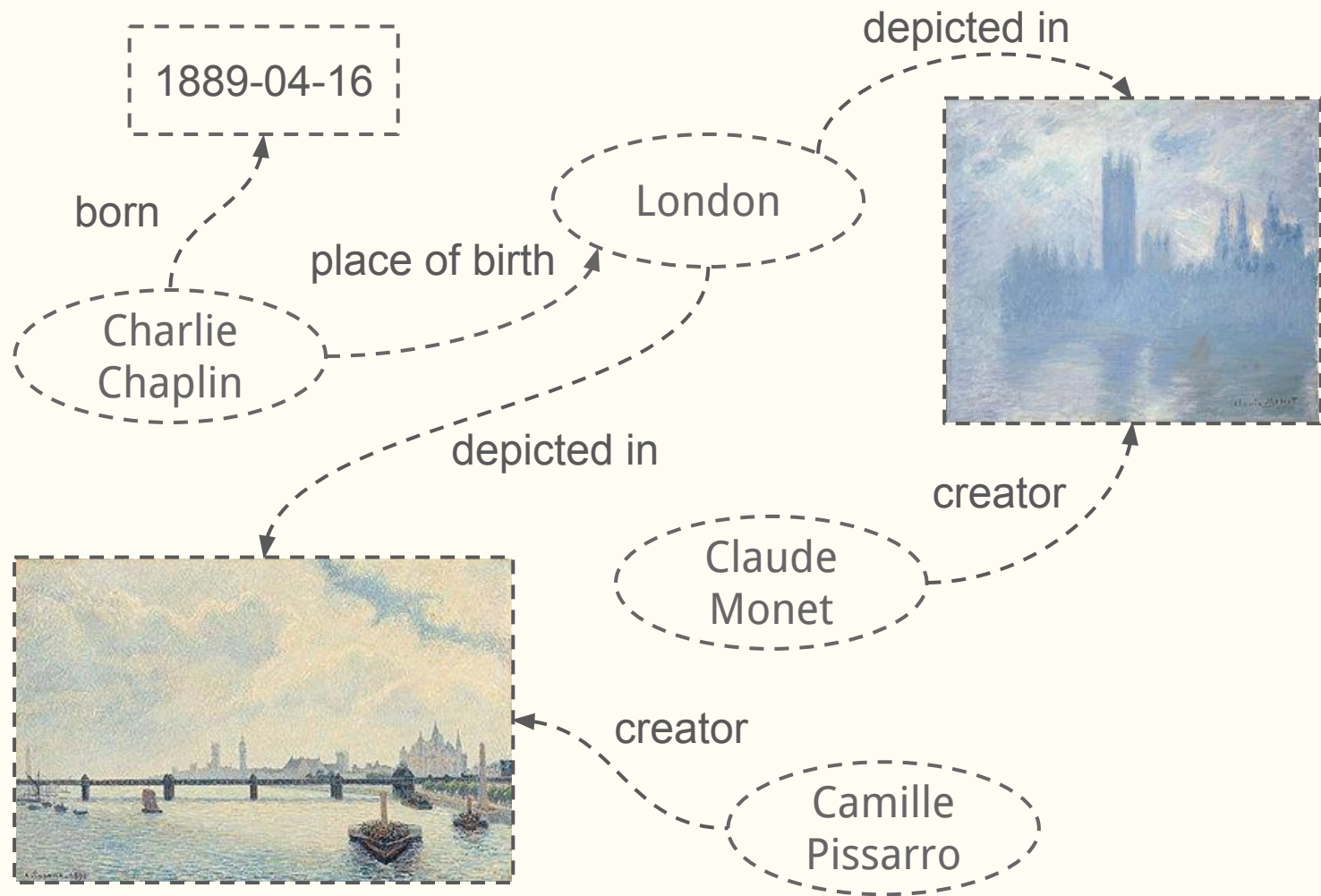


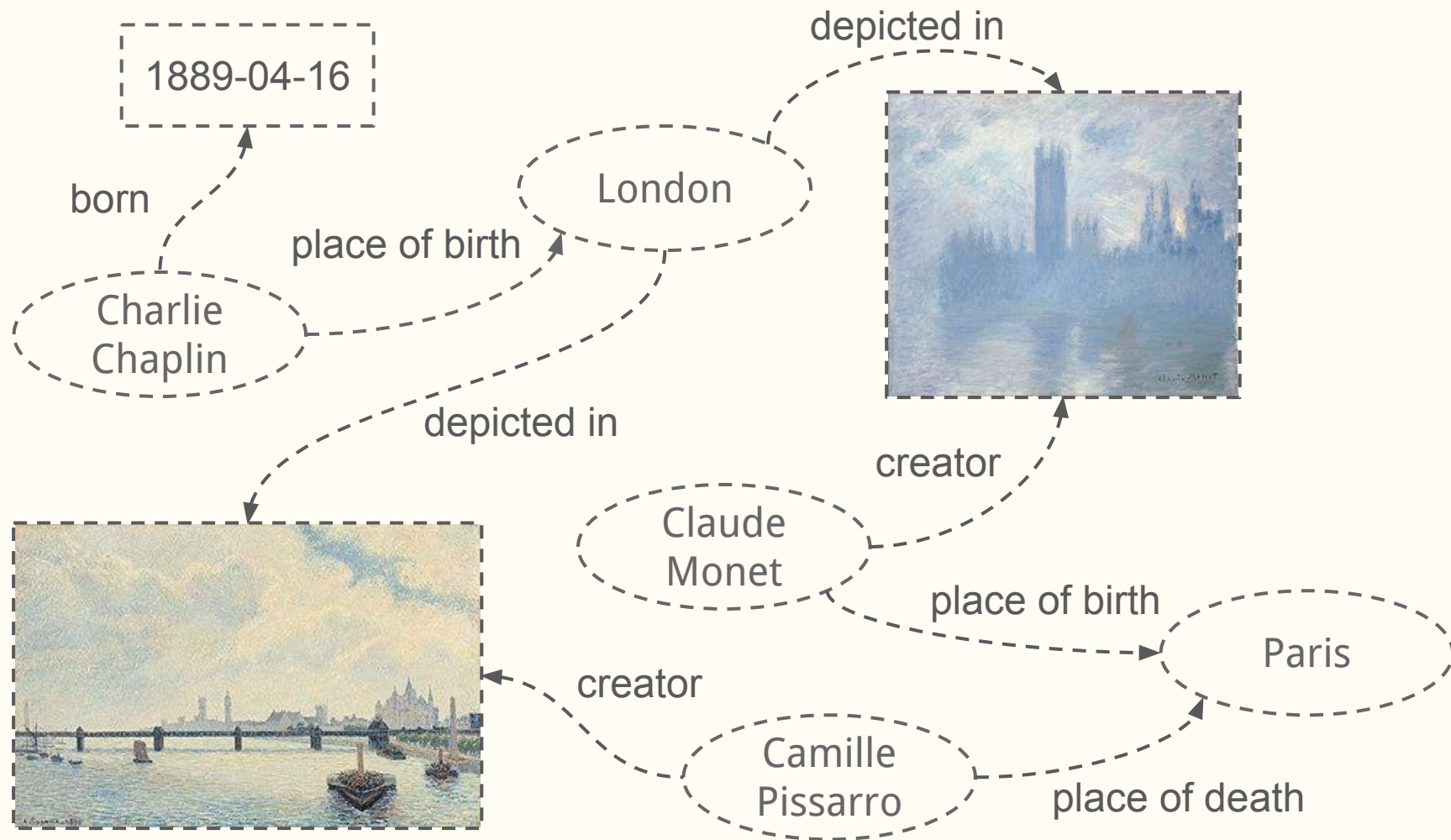




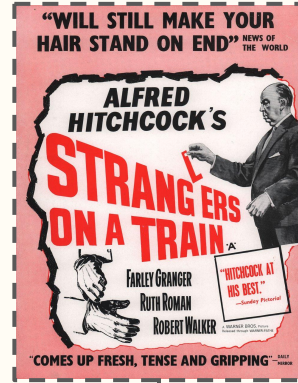












advertises

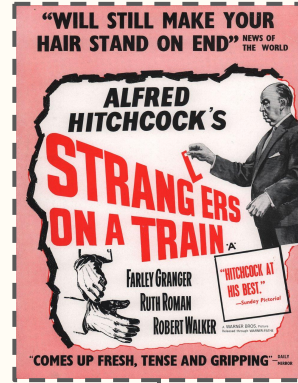
Film

a

Strangers  
on a Train

a

Poster



a

Poster

advertises

Film

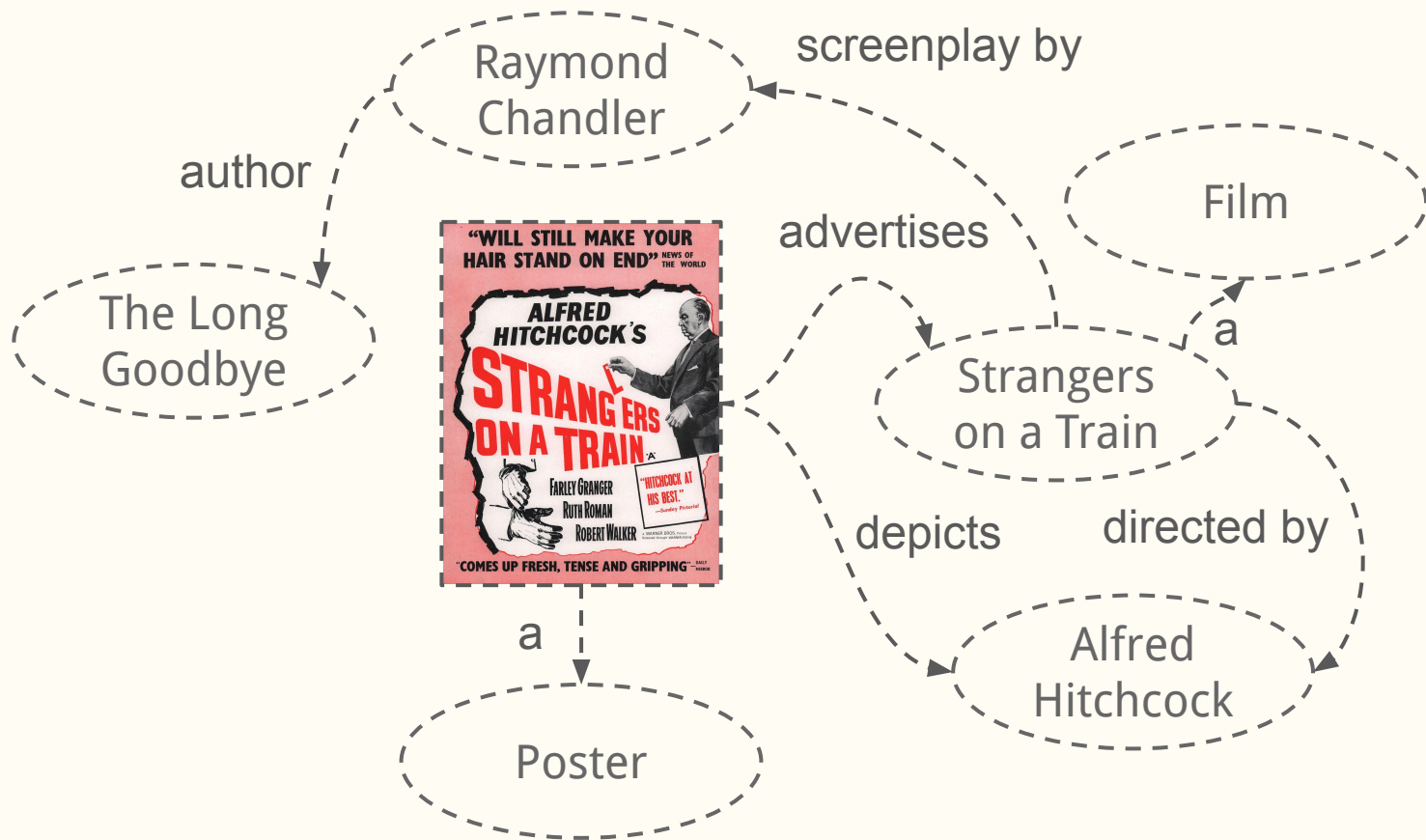
a

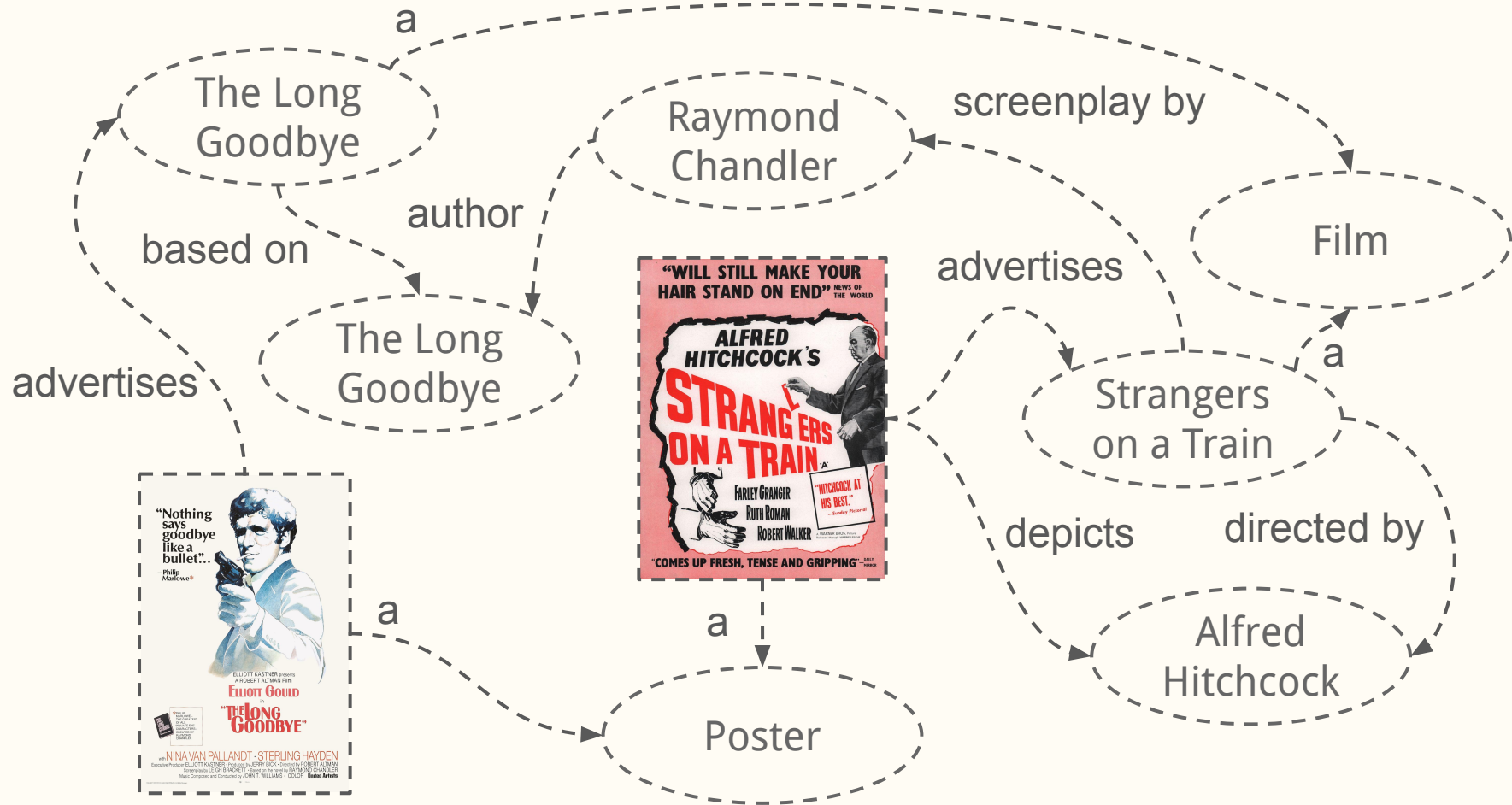
Strangers  
on a Train

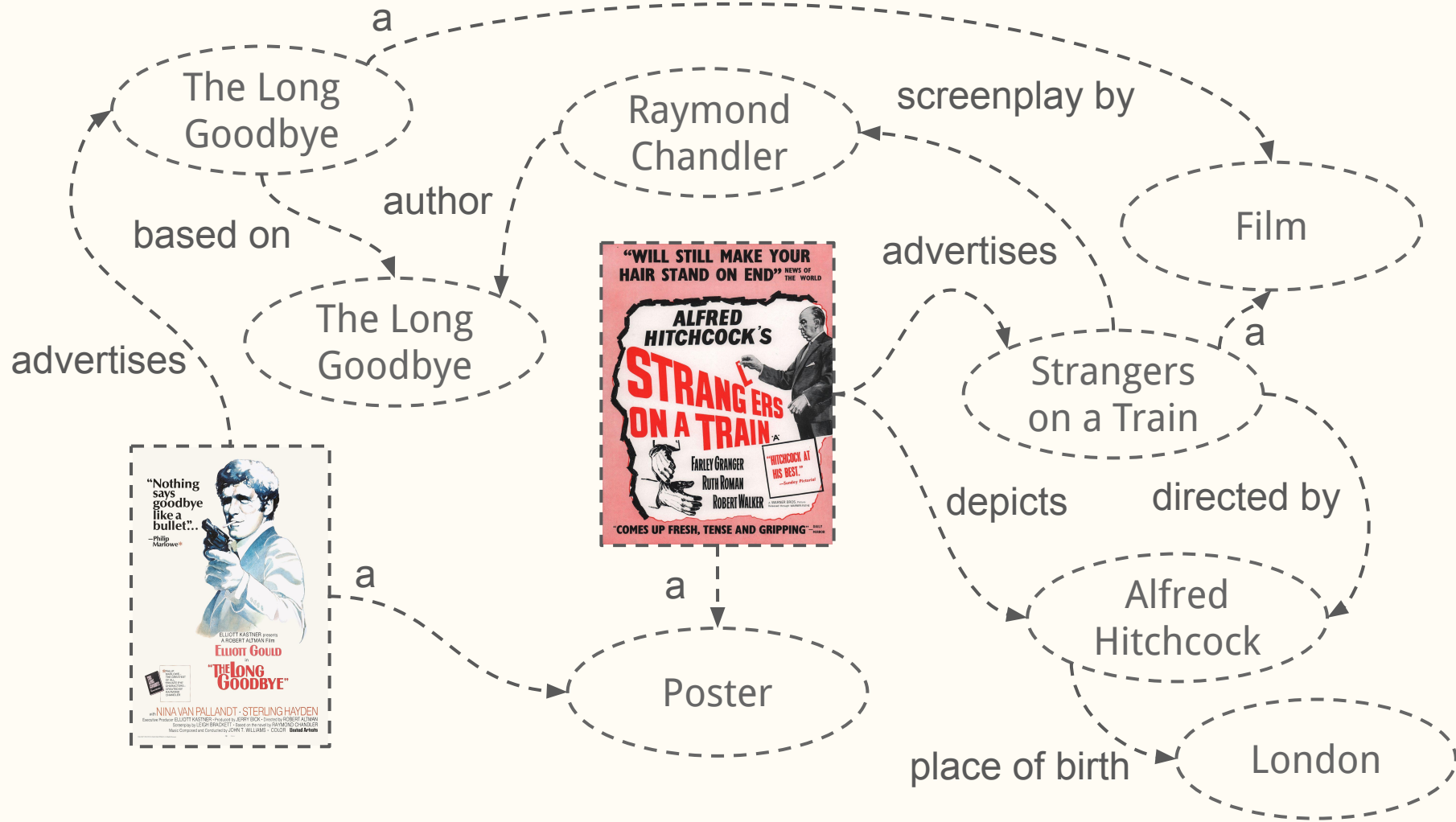
depicts

directed by

Alfred  
Hitchcock









The Slippers, Samuel van Hoogstraten, 1658

title



a

Painting

The Slippers, Samuel van Hoogstraten, 1658

title



part



a

Painting

The Slippers, Samuel van Hoogstraten, 1658

title

Gallant Conversation, Gerard ter Borch (II), c. 1654

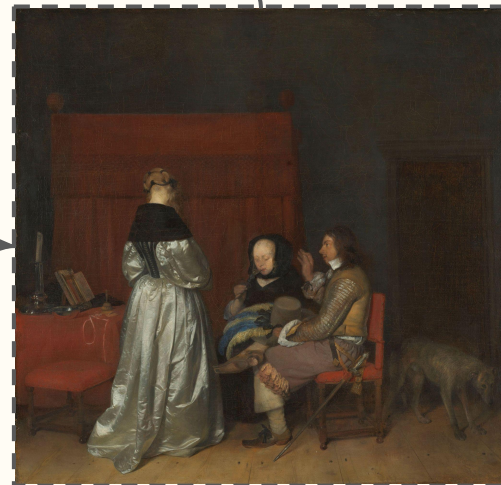
title



part



depicts



a

Painting

a

The Slippers, Samuel van Hoogstraten, 1658

Gallant Conversation, Gerard ter Borch (II), c. 1654

title

location

title

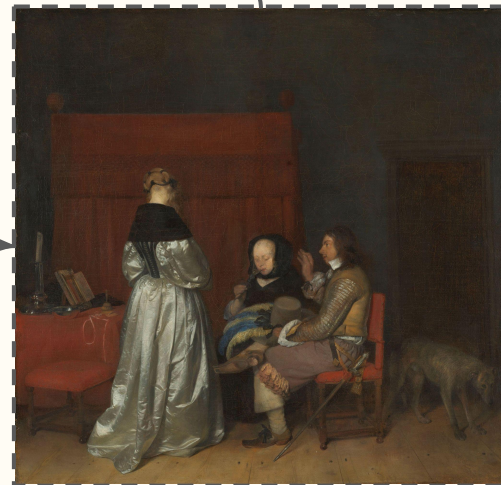
part

depicts

a

a

Painting



Paintings in museum collections  
in cities which are the birth or  
death places of artists who  
depicted cities where film  
directors or actors were born ?

Simple rules. Complex networks.

# real Identify things with the web ^

- Málaga <<https://vocab.getty.edu/tgn/7007942>>
- Pablo Picasso <<http://viaf.org/viaf/15873>>
- gazpacho <<http://www.wikidata.org/entity/Q202677>>

abstract

# Identify things with the web

^

- Málaga <<https://vocab.getty.edu/tgn/7007942>>
- Pablo Picasso <<http://viaf.org/viaf/15873>>
- gazpacho <<http://www.wikidata.org/entity/Q202677>>
- Person <<http://xmlns.com/foaf/0.1/Person>>
- Text <<http://id.loc.gov/ontologies/bibframe/Work>>
- Time <<http://purl.org/dc/terms/PeriodOfTime>>



# relational

## Identify things with the web

^

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- Pablo Picasso <<http://viaf.org/viaf/15873>>
- gazpacho <<http://www.wikidata.org/entity/Q202677>>
- Person <<http://xmlns.com/foaf/0.1/Person>>
- Text <<http://id.loc.gov/ontologies/bibframe/Work>>
- about <<https://schema.org/about>>
- birth place <<http://xmlns.com/foaf/0.1/birthPlace>>
- creator <<http://purl.org/dc/elements/1.1/creator>>

## resources

# Identify ~~things~~ with the web

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- creator <<http://purl.org/dc/elements/1.1/creator>>

textual

# Literal strings are resources too

^

- “All the world’s a stage”
- “Todo lo que puedes imaginar es real”@es
- “Οδύσσεια”@grc

numeric

# Literal strings are resources too

^

- "All the world's a stage"
- "Todo lo que puedes imaginar es real"@es
- "Οδύσσεια"@grc
- "42"
- "3"^^<integer>
- "3.14"^^<decimal>

date

# Literal strings are resources too

^

- "All the world's a stage"
- "Todo lo que puedes imaginar es real"@es
- "Οδύσσεια"@grc
- "42"
- "3"^^<integer>
- "3.14"^^<decimal>
- "2000-01-01"^^<date>

anything

# Literal strings are resources too

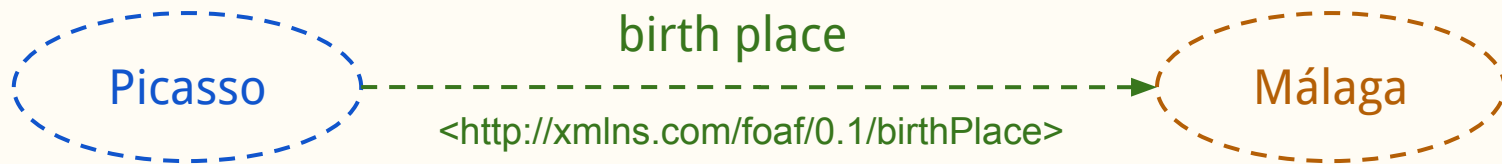
^

- "All the world's a stage"
- "Todo lo que puedes imaginar es real"@es
- "Οδύσσεια"@grc
- "42"
- "3"^^<integer>
- "3.14"^^<decimal>
- "2000-01-01"^^<date>
- "true"^^<boolean>
- "01101000 01101001"^^<binary>

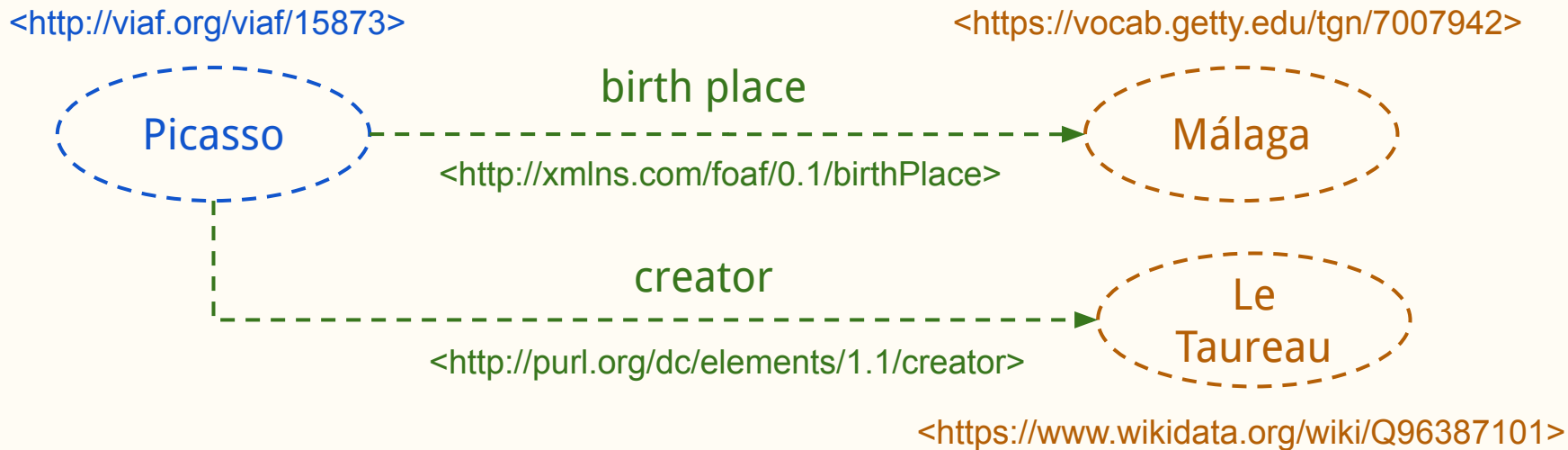
# Describe connections with triples

<http://viaf.org/viaf/15873>

<https://vocab.getty.edu/tgn/7007942>

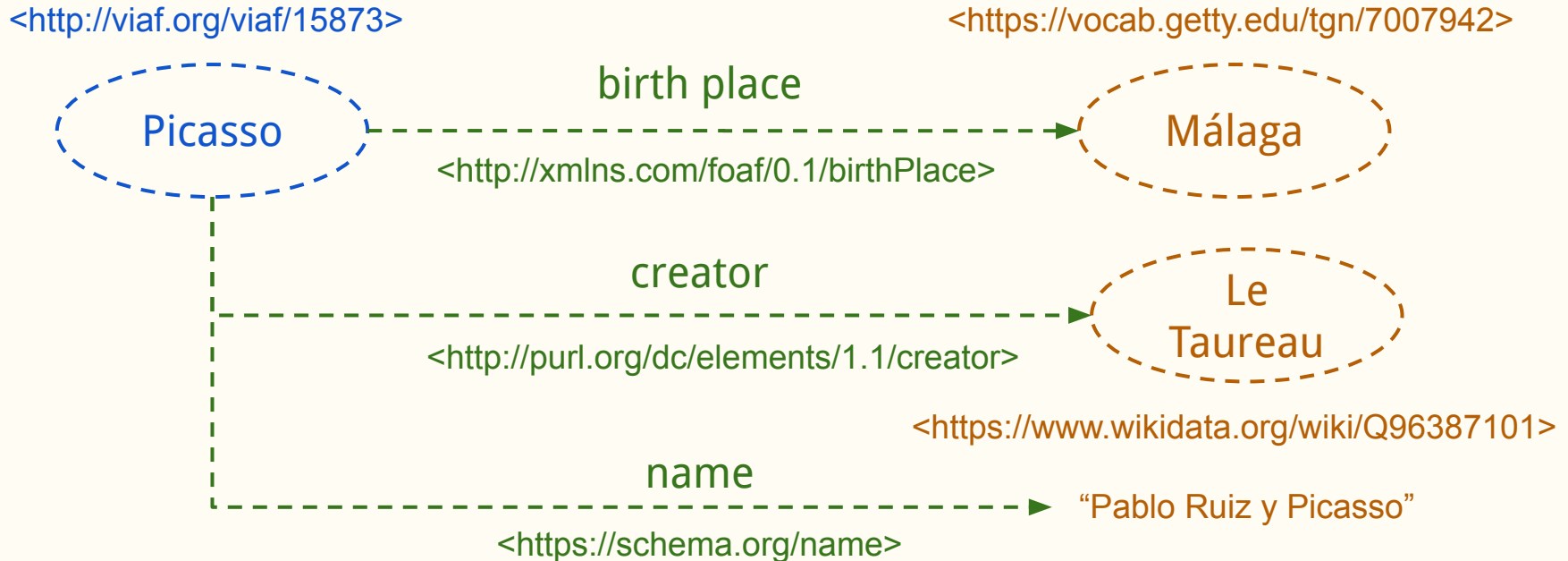


# Describe connections with triples





# Describe connections with triples



# Describe connections with triples

<<http://viaf.org/viaf/15873>> <<http://xmlns.com/foaf/0.1/birthPlace>> <<https://vocab.getty.edu/tgn/7007942>> .

<<http://viaf.org/viaf/15873>> <<http://purl.org/dc/elements/1.1/creator>> <<https://www.wikidata.org/wiki/Q96387101>> .

<<http://viaf.org/viaf/15873>> <<https://schema.org/name>> "Pablo Ruiz y Picasso" .

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<<http://viaf.org/viaf/15873>> <<http://xmlns.com/foaf/0.1/birthPlace>> <<https://vocab.getty.edu/tgn/7007942>> .

<<http://viaf.org/viaf/15873>> <<http://purl.org/dc/elements/1.1/creator>> <<https://www.wikidata.org/wiki/Q96387101>> .

<<http://viaf.org/viaf/15873>> <<https://schema.org/name>> "Pablo Ruiz y Picasso" .

<<http://viaf.org/viaf/15873>> <<https://schema.org/birthDate>> "1881-10-25" .

# Describe connections with triples

<http://viaf.org/viaf/15873> <http://xmlns.com/foaf/0.1/birthPlace> <https://vocab.getty.edu/tgn/7007942> .

<http://viaf.org/viaf/15873> <http://purl.org/dc/elements/1.1/creator> <https://www.wikidata.org/wiki/Q96387101> .

<http://viaf.org/viaf/15873> <https://schema.org/name> "Pablo Ruiz y Picasso" .

<http://viaf.org/viaf/15873> <https://schema.org/birthDate> "1881-10-25"  
^^<http://www.w3.org/2001/XMLSchema#date> .

# Next steps...

- Ontologies
- Serialisations
- Project?