Resource Description Framework

Edward Anderson

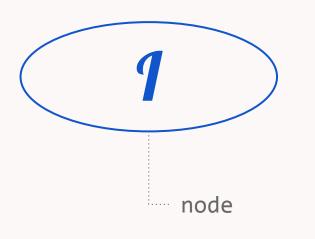
e.anderson@rijksmuseum.nl

Resource Description Framework for lovers

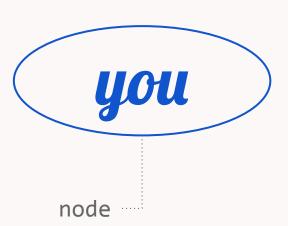
Edward Anderson

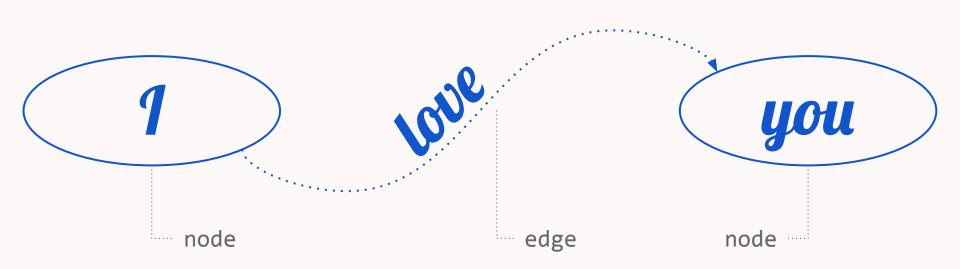
e.anderson@rijksmuseum.nl

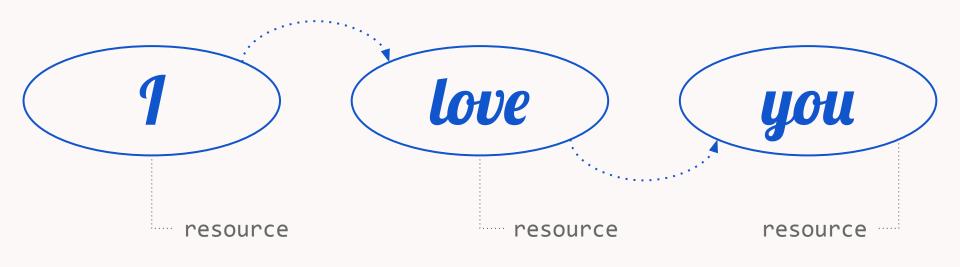
I love you

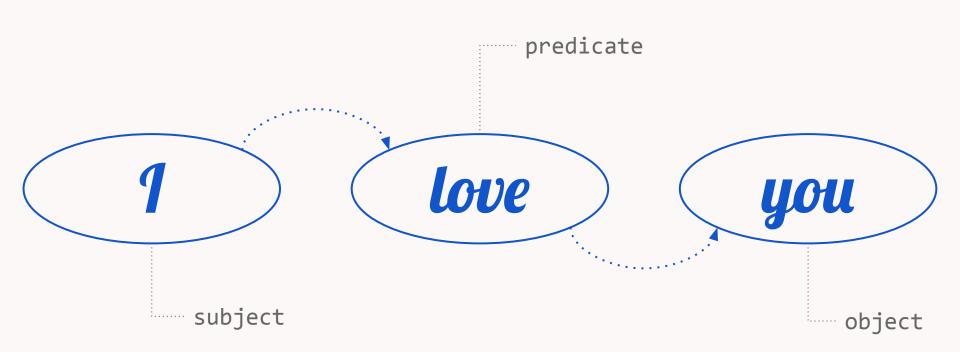


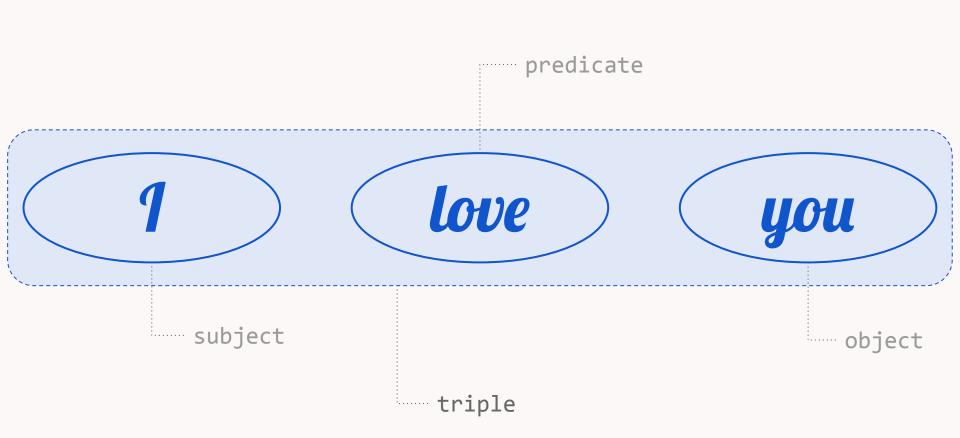
love













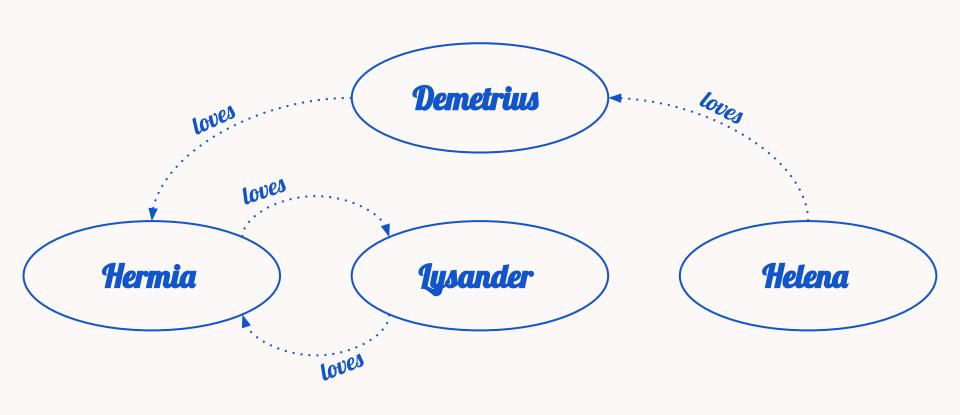
https://www.rijksmuseum.nl/en/collection/RP-P-1987-52



Hermia

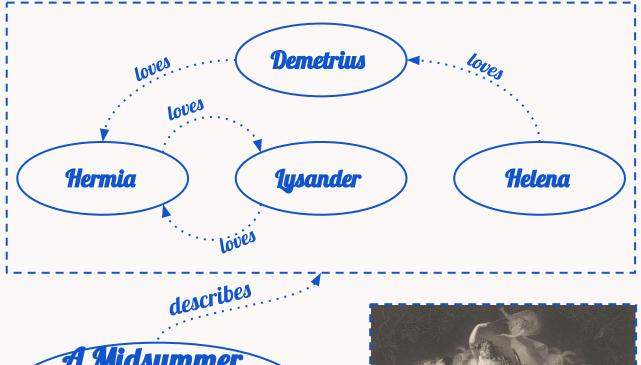
Lysander

Helena



Lysander Hermia loves **Lysander** loves Hermia **Demetrius** loves Hermia **Demetrius** Helena loves

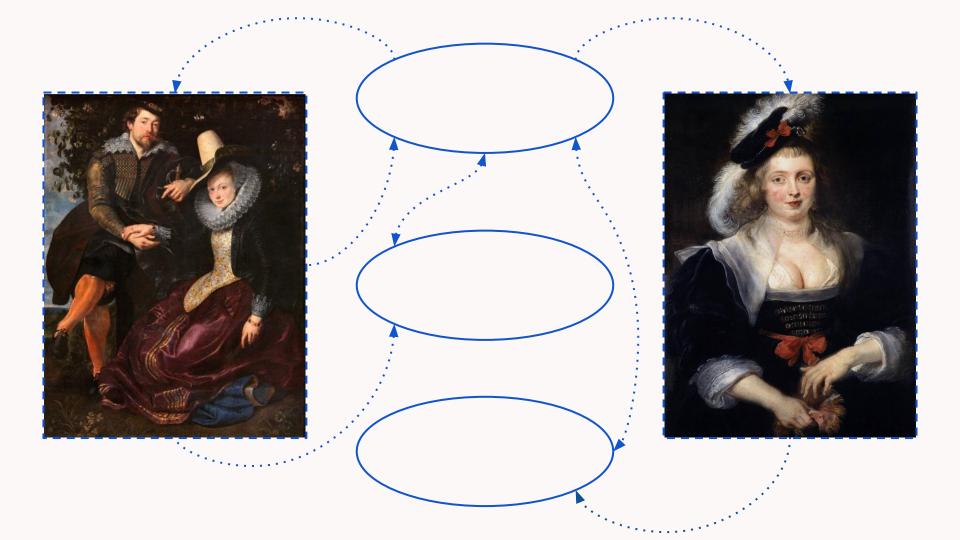
```
<Hermia> <loves> <Lysander> .
<Lysander> <loves> <Hermia> .
<Demetrius> <loves> <Hermia> .
<Helena> <loves> <Demetrius> .
```







```
base <https://dahss.iarthislab.eu/2024/>
<situationship> {
  <Hermia> <loves> <Lysander> .
  <Lysander> <loves> <Hermia> .
  <Demetrius> <loves> <Hermia> .
  <Helena> <loves> <Demetrius> .
<midsummer night's dream> <describes> <situationship> .
<RP-P-1987-52> <depicts> <midsummer night's dream> .
```









https://www.rijksmuseum.nl/en/collection/SK-A-5033

https://www.rijksmuseum.nl/en/collection/SK-C-1768

Rembrandt

created

depicts



TOUR

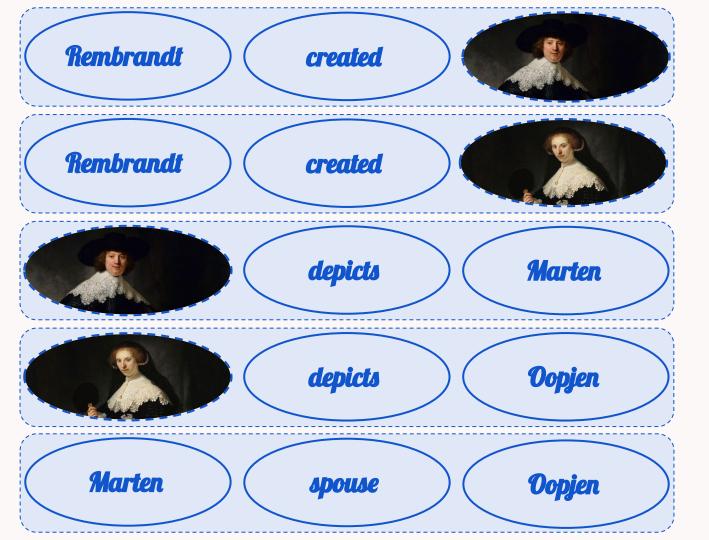


depict

Moul.

Oopjen

Marten





Main page Community portal

Project chat Create a new Item

Recent changes Random Item

Query Service Nearby

Help Donate Search

To search for Wikidata items by their title on a given site, use Special:ItemByTitle.

Q rembrandt

Advanced search: Sort by relevance

Search in: (Main) × Property ×

http://www.wikidata.org/entity/Q5598

wd:Q5598

wd:Q5598 Rembrandt

created

wd:Q19421105 wd:Q19421160





depicts.

wd:Q19421058 Marten

100tla

wd:Q19421075 Oopjen

FOAF Vocabulary Specification 0.99

Namespace Document 14 January 2014 - Paddington Edition

This version:

http://xmlns.com/foaf/spec/20140114.html (rdf)

Latest version:

http://xmlns.com/foaf/spec/ (rdf)

Previous version:

http://xmlns.com/foaf/spec/20100809.html (rdf)

Authors:

Dan Brickley, Libby Miller

Contributors:

Members of the FOAF mailing list (foaf-dev@lists.foaf-project.org) and the wider RDF and Semantic Web developer community. See acknowledgements.

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This work is licensed under a Creative Commons Attribution License. This copyright applies to the FOAF Vocabulary Specification and accompanying documentation in RDF. Regarding underlying technology. FOAF uses W3C's RDF technology, an open Web standard that can be freely used by anyone.



Property: foaf:made

made - Something that was made by this agent.

Status: stable

Domain: having this property implies being a Agent

Range: every value of this property is a Thing

Property: foaf:depicts

depicts - A thing depicted in this representation.

Status: testing

Domain: having this property implies being a Image Range: every value of this property is a Thing



foaf:depicts ⊀

foaf:made **

realed

wd:Q19421105 wd:Q19421160





foaf:depicts

wd:Q19421058 Marten

NOUID!

wd:Q19421075 Oopjen

RELATIONSHIP: A vocabulary for describing relationships between people

Other formats: RDF/XML

Creators

Ian Davis

Eric Vitiello Jr

A vocabulary for describing relationships between people

Please direct feedback on this document to the FOAF-DEV mailing list"

Spouse Of

URI: http://purl.org/vocab/relationship/spouseOf

A person who is married to this person

https://vocab.org/relationship/

wd:Q5598 Rembrandt foaf:made

wd:Q19421105 wd:Q19421160

foaf:depicts





foaf:depicts

wd:Q19421058

rel:spouseOf

wd:Q19421075 Oopjen

```
wd:Q5598 foaf:made wd:Q19421105 .
wd:Q5598 foaf:made wd:Q19421160 .
wd:Q19421105 foaf:depicts wd:Q19421058 .
wd:Q19421160 foaf:depicts wd:Q19421075 .
wd:Q19421058 rel:spouseOf wd:Q19421075 .
wd:Q19421075 rel:spouseOf wd:Q19421058 .
```

```
prefix wd: <http://www.wikidata.org/entity/>
prefix foaf: <http://xmlns.com/foaf/0.1/>
prefix rel: <http://purl.org/vocab/relationship/>
wd:Q5598 foaf:made wd:Q19421105 .
wd:Q5598 foaf:made wd:Q19421160 .
wd:Q19421105 foaf:depicts wd:Q19421058 .
wd:Q19421160 foaf:depicts wd:Q19421075 .
wd:Q19421058 rel:spouseOf wd:Q19421075 .
wd:Q19421075 rel:spouseOf wd:Q19421058 .
```



rdf-network-analysis

May 15, 2020

1 Network Analysis of RDF Graphs

In this notebook we provide basic facilities for performing network analyses of RDF graphs easily with Python rdflib and networks

We do this in 4 steps: 1. Load an arbitrary RDF graph into rdflib 2. Get a subgraph of relevance (optional) 3. Convert the rdflib Graph into an networkx Graph, as shown here 4. Get an network analysis report by running networkx's algorithms on that data structure

1.1 0. Preparation

```
[13]: # Install required packages in the current Jupyter kernel
    # Uncomment the following lines if you need to install these libraries
    # If you run into permission issues, try with the --user option
    import sys
    # !pip install -q rdflib networkx matplotlib scipy
    !{sys.executable} -m pip install rdflib networkx matplotlib scipy --user

# Imports
    from rdflib import Graph as RDFGraph
    from rdflib.extras.external_graph_libs import rdflib_to_networkx_graph
    import networkx as nx
    from networkx import Graph as NXGraph
    import matplotlib.pyplot as plt
    import statistics
    import collections
```

https://journal.dhbenelux.org/journal/issues/002/article-6-birkholz/appendix-1-wechanged-british.pdf