

A Very Brief Guide to Linked Data

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Statements, Triples, Linked Data, Vocabularies

敘述、三元組、資料連結、語彙

- A statement is a triple of Entity-Property-Value (個體 - 屬性 - 屬性值)
 - A value can either be another entity or just a literal
 - An entity is an URI (i.e. a link on the Web); a property is an URI too
 - A literal is a quoted string (with optional data type or language tag)
- Linked data is just a set of triples distributed over the Web
- A vocabulary is a collection of terms for a particular purpose
 - Friend of A Friend, Dublin Core Metadata Element Set, etc.
 - A vocabulary is just a set of properties/URIs from the same name space
 - A prefix is a short hand for a vocabulary's name space (check <http://prefix.cc>)
- Walk through examples in “RDF 1.1 Primer”
 - <https://www.w3.org/TR/rdf11-primer/>
- Learn more from “RDF 1.1 Concepts and Abstract Syntax”
 - <https://www.w3.org/TR/rdf11-concepts/>

Alice

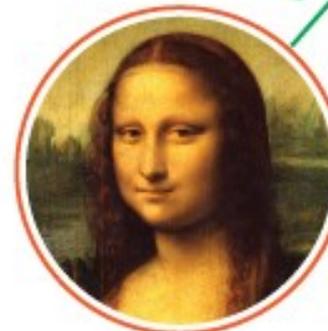
<http://example.org/alice#me>



foaf:knows



foaf:topic_interest



The Mona Lisa

<http://www.wikidata.org/entity/Q12418>

dcterms:creator



Leonardo Da Vinci

http://dbpedia.org/resource/Leonardo_da_Vinci

dcterms:title

"Mona Lisa"

dcterms:subject



La Joconde à Washington

<http://data.europeana.eu/item/04802/243FA8618938F4117025F17A8B813C5F9AA4D619>

rdf:type

Person
foaf:Person

schema:birthDate

"1990-07-04"^^xsd:date

Turtle Syntax

```
01 BASE <http://example.org/>
02 PREFIX foaf: <http://xmlns.com/foaf/0.1/>
03 PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
04 PREFIX schema: <http://schema.org/>
05 PREFIX dcterms: <http://purl.org/dc/terms/>
06 PREFIX wd: <http://www.wikidata.org/entity/>
07
08 <bob#me>
09   a foaf:Person ;
10   foaf:knows <alice#me> ;
11   schema:birthDate "1990-07-04"^^xsd:date ;
12   foaf:topic_interest wd:Q12418 .
13
14 wd:Q12418
15   dcterms:title "Mona Lisa" ;
16   dcterms:creator <http://dbpedia.org/resource/Leonardo_da_Vinci> .
17
18 <http://data.europeana.eu/item/04802/243FA8618938F4117025F17A8B813C5F9AA4D619>
19   dcterms:subject wd:Q12418 .
```