Relationship Elements

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Relationships in General

- Connect two things
  - Kate has employer LC

- Are inherently reciprocal
  - LC has employee Kate

- Help identify one thing by defining its relationship to another
  - Kate that has employer LC <u>not</u> Kate that has employer NBC

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Expressing Relationships

- ## Graph
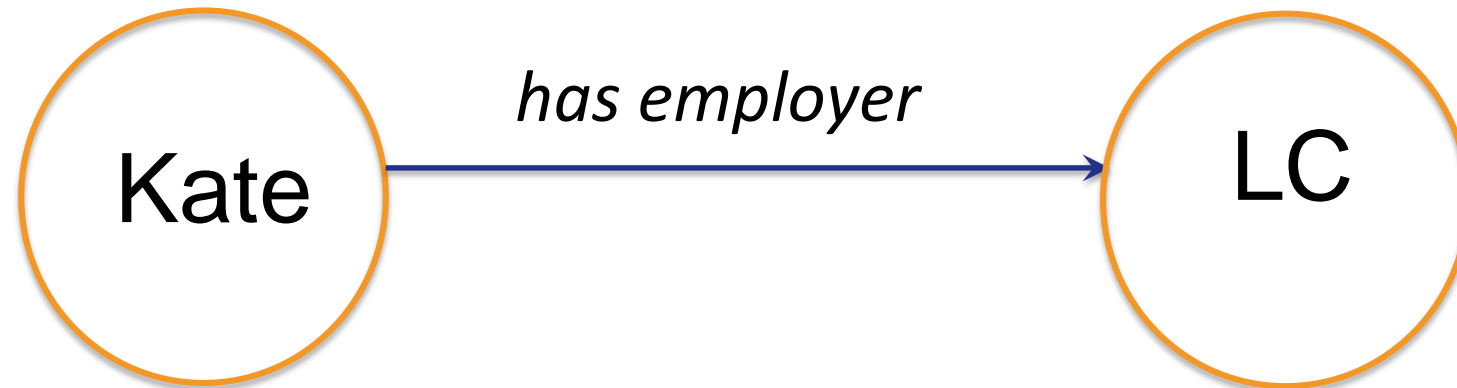
- ## RDF triple
  - Subject: Kate
  - Predicate: *has employer*
  - Object: LC
- ## RDA relationship element
  - Kate *employer* LC

Terminology

- **Entity:** an abstract class of a physical or conceptual thing in the universe of human discourse

- **Relationship element:** an element that relates two entities

- **Domain:** entity that that is described by an element

- **Range:** entity that is the value of a relationship element

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Characteristics of Relationship Elements

- Have a domain and a range entity

- Value recorded represents the range entity

- Sometimes multiple recording methods are available to record the value

- Have a corresponding inverse relationship element

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Domain and Range Examples

Reference

- Related agent of work
  - Domain: Work
  - Range: Agent
- Related work of agent
  - Domain: Agent
  - Range: Work
- Place of birth
  - Domain: Person
  - Range: Place

In Practice

- Related agent of work
  - Domain: Great expectations
  - Range: Charles Dickens
- Related work of agent
  - Domain: Charles Dickens
  - Range: Great expectations
- Place of birth
  - Domain: Charles Dickens
  - Range: Portsmouth, England

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Determining Domain and Range

- Consult the Element Reference box

- Range entity appears first in **RDA Glossary** definition but …

- In **Registry** definition, the pattern is "relates a [domain entity] to a [glossary definition]"

  - and the Glossary definition contains range entity

- Use the verbalized labels

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Element Reference Box

- date of publication

RDA Glossary Definition

In this definition the range entity is provided...

director
An agent who is responsible for the general management and supervision of a filmed performance, a radio or television program, etc.
Inverse: **director of**

In this definition the "range" is given as the broader element so you must refer back to the broader element definition to determine the range entity ...

film director
A director who is responsible for the general management and supervision of a filmed performance.
Inverse: **film director of**

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RDA Registry Definition

Using the Verbalized Labels

- Available in Element Reference Box
- Available in the RDA Registry
- You might be able to make an understandable sentence!
    - Work *has preferred title of work* Nomen
        - Work *has preferred title of work* Hamlet
    - Person *has date of birth* Timespan
        - Amy Tan *has date of birth* 1952

At least "understandable" to catalogers…

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Alternate Labels

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Elements have Alternate Labels

- Verbalized labels from Registry are available

  - **Element:** adaptation of work
    - o **Verbalized Label:** is adaptation of work
  - **Element:** adapted as work
    - o **Verbalized Label:** is adapted as work

- Former labels are often available

  - **Element:** related place of corporate body
    - o **Former Label:** place associated with corporate body

- Former labels are not automatically added—done if there is a significant change

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WEMI to Agent Entity Relationship Elements Breakout

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What????

- Agent has 4 entity sub-types

  - Person

  - Family

  - Corporate Body

  - Collective Agent

- Relationship elements applicable to each sub-type were defined at Agent level

  - Example: creator of work had range Agent

- Relationship elements applicable to each sub-type now defined for each sub-type

  - Example: creator person of work has range Person

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Why???: Find the Element

- *Last week:* I want to relate Anne Rice to Interview with the Vampire

  - I know Anne Rice is a Person

  - I looked in the Person relationship elements list

  - … but *author of* <u>was</u> in the Agent list!

- *Now:* I want to relate Anne Rice to Interview with the Vampire

  - I know Anne Rice is a Person

  - I look in the Person relationship elements list

  - … *author person of* <u>is</u> in the list!

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Why???: Technical Issues

- Difficult to create a script that instantiates the specific Collective Agent, etc. relationships for RIMMF4 input forms
  - Example: Without such a script Person input form does not contain *author of* element

- Need to resolve long-standing issue of translating relationship elements into languages that require male and female terms for Persons

- Supports future application profiles

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Yeah, but, …

- Number of elements seems overwhelming!
  - *You don't have to use them all*

- Once policy statement becomes five
  - *Yes, but there are technical solutions to help*

- Where does it end???
  - *Hierarchy with agent sub-types is not the same as hierarchy with specific role*

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Relationship Designators

Become

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Designators in the Original TK

- In the original Toolkit, relationship designators seem to be a "refinement" of a relationship element, e.g., composer is a type of creator
- And yet, the relationship element chapters (chapters 19, 20, etc.) do not discuss them
- So what are they?

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"Designators" in the RDA Registry

- Creator is a relationship element
- Composer is a type of creator
- Therefore, composer is a relationship element

	CURIE	Label	Definition	SubpropertyOf
⊖	rdaw:P10053	"has composer"	"Relates a work to an agent responsible for creating a musical work."	rdaw:P10065 "has creator"

Lexical Alias:	http://rdaregistry.info/Elements/w/composer.en
Domain:	rdac:C10001 "work"

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Former "Designator" Elements in the New TK

- Equal status with any other element

- May be easier to find because not banished to an Appendix
  - Listed on entity page
  - Each has its own page
  - Each is in the Glossary

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Some Attributes

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From Attribute to Relationship Element

- New entities Nomen and Timespan turned several attributes into relationship elements
  - title of work
  - date of birth
- Further development of Place entity turned some attributes into relationship elements
  - place of death
- Many elements renamed to include both entities
  - date associated with person = related timespan of person
  - place associated with corporate body = related place of corporate body

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I hope you've found this presentation relatable!

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