ABOUT ME

- Catalog/Metadata Librarian
- Zepheira BIBFRAME alumna
- Curious by nature
- Early adopter
- Avid tinkerer
- @justbilley
AGENDA

1. Why BIBFRAME?
2. What is BIBFRAME?
3. How to BIBFRAME?
4. Where to BIBFRAME?
5. When to BIBFRAME?
WHY BIBFRAME?
WHY BIBFRAME

- Replace MARC
- Integrate and engage library data with the wider information community
REPLACE MARC?! 

- It is just machine readable
- It is not machine actionable
MARC makes great cards.
MARC makes reliable data.
But it can't integrate or engage with the Web.
BECAUSE TIM BERNERS-LEE SAID SO
ENTER LINKED DATA
THE 4 RULES OF LINKED DATA

1. Use URIs to denote things
2. Use HTTP URIs so that these things can be referred to and looked up (dereferenced)
3. Provide useful information about the thing when its URI is dereferenced, leveraging standards (RDF & SPARQL)
4. Include links to other related things (using their URIs) when publishing data on the Web
Dozens of people with celebrity names converge in an epic Facebook thread to help cheer up a woman named Beyoncé

Business Insider - 6 hours ago
This is hilarious and sweet.

Facebook post from woman called Beyonce goes viral
Daily Mail - 10 hours ago
Girl gives her boyfriend a Beyonce test, and says she will dump him if she fails
mirror.co.uk - 3 hours ago

More news for Beyonce

Beyoncé
www.beyonce.com/
Music • Albums • Songs • Videos • DVDs • #BeyGood • Fragrance • Shop • Beyonce.
Search. Join • Follow • Terms • Privacy • Music • #BeyGood • Fragrance • Shop.

Beyoncé - Wikipedia, the free encyclopedia
Beyoncé Giselle Knowles-Carter is an American singer, songwriter, and actress. Born and raised in Houston, Texas, she performed in various singing and dancing competitions as a child, and rose to fame as a member of girl group Destiny's Child. In 2003, Beyoncé embarked on a solo career with the release of her debut album, 'Dangerously in Love.' Since then, she has released several successful albums and singles, and has become one of the most successful and influential artists in the music industry.

Beyoncé (@beyonce) • Instagram photos and videos
https://instagram.com/beyonce/  See Instagram photos and videos from Beyoncé (@beyonce)

Beyoncé Facebook

Beyoncé
Singer-songwriter

Listen now

Google Play
Rhapsody
iTunes

Beyoncé Giselle Knowles-Carter is an American singer, songwriter, and actress. Born and raised in Houston, Texas, she performed in various singing and dancing competitions as a child, and rose to fame as a member of girl group Destiny's Child. In 2003, Beyoncé embarked on a solo career with the release of her debut album, 'Dangerously in Love.' Since then, she has released several successful albums and singles, and has become one of the most successful and influential artists in the music industry.
LINKED DATA
IS ALL ABOUT RELATIONSHIPS
RDF: THE FOUNDATION OF LINKED DATA

- Resource Description Framework
- RDF is a standard model for data interchange on the Web.
- It creates the relationships between things on the Web.
RDF Triple

Subject: Lodro Rinzler

Predicate: is CreatorOf

Object: The Buddha walks into the office

http://id.loc.gov/authorities/names/n2011023258.html

http://purl.org/dc/elements/1.1/creator

http://www.worldcat.org/oclc/863632536
<?xml version="1.0"?>
<!DOCTYPE rdf:RDF PUBLIC "-//DUBLIN CORE//DCMES DTD 2002/07/31//EN"

<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:dc="http://purl.org/dc/elements/1.1/">
  <rdf:Description rdf:about="http://www.worldcat.org/oclc/863632536">
    <dc:title>The Buddha walks into the office : a guide to livelihood for a new generation</dc:title>
    <dc:creator>http://id.loc.gov/authorities/names/n2011023258.html</dc:creator>
    <dc:publisher>Boston : Shambhala</dc:publisher>
    <dc:date>2014</dc:date>
  </rdf:Description>
</rdf:RDF>
Relational DB
Tables Related By Primary Key

Hierarchical DB
Parent Nodes Have More Intrinsic Importance

Graph DB
Arbitrary Object Relations No Intrinsic Importance
The Buddha walks into the office
The Buddha walks into the bar
No mud, no lotus

Lodro Rinzler

Spiritual Life -- Buddhism

Thích Nhật Hạnh
Sound familiar?
CHARLES AMNI CUTTER (1876)
PURPOSES OF A CATALOG

1. TO ENABLE A PERSON TO FIND A DOCUMENT OF WHICH
   - THE AUTHOR, OR
   - THE TITLE, OR
   - THE SUBJECT IS KNOWN
   - LOCATION

2. TO SHOW WHAT THE LIBRARY HAS
   - BY A GIVEN AUTHOR
   - ON A GIVEN SUBJECT
   - IN A GIVEN KIND OF LITERATURE
   - COLLOCATION

3. TO ASSIST IN THE CHOICE OF A DOCUMENT
   - BIBLIOGRAPHICALLY (E.G. EDITION, FORMAT, ETC.)
   - AS TO ITS CHARACTER (I.E. LITERARY OR TOPICAL)
   - RECOMMENDATION
EXPRESSING LINKED DATA

- RDF/XML
- RDFS
- JSON
- Turtle
STANDARDIZING LINKED DATA

- Vocabularies
- Ontologies
- Enter BIBFRAME!
WHAT IS BIBFRAME?
WHAT IS BIBFRAME?

- Replacement for MARC
- Bibliographic relationship model
- Vocabulary for creating bibliographic metadata as linked data
Primary Descriptive Cataloging Model (in Libraries) and their Rules

Structure Standard
- ISBD, MARC, FRBR, Dublin Core, EAD, MODS, VRACore, CIDOC, BIBFRAME!

Content Standard
- AACR2, RDA, CCO, DACS, ...

Encoding Standard
- 3x5 card, MARC, CVS, XML, RDF-XML, JSON, ...

Value Standard
- LCSH, NAF, LCGFT, RDA Vocabularies, RBMS Thesauri, AAT, ...
BIBFRAME was designed to convert legacy MARC

It also can be used to create new bibliographic information as linked data

Imagine what search engines could do with library data!
BIBFRAME IS A VOCABULARY

- Classes - are a type of thing (subjects or objects)
- Properties - connect or relate resources to each other (predicates)
ORGANIZATION OF BIBFRAME

- 4 "Main" Classes
- 52 Classes
- 272 Properties
"Main" Classes

1. Works
2. Instances
3. Authorities
4. Annotations
Let’s explore!

http://bibframe.org/vocab/
HOW TO BIBFRAME

- Code
- Scribe
- Customize
- Transform
- Store
- Deliver
Does it ever seem that a lot of the people you work with are jerks? This book is about how not to let work turn you into one of them. Apply the simple Buddhist teachings and practices Lodro Rinzler provides here to whatever you do for a living, and you'll not only avoid jerk-hood, but you'll be setting out on the path toward making your livelihood an expression of your inherent wisdom, honesty, and compassion. In the process, you'll discover genuine empathy for the folks you once found so difficult. You'll also learn leadership skills that apply compassion to management in a way that increases happiness along with efficiency. As Lodro shows, even if the path of work shifts beneath your feet, it's possible to make your livelihood a source of satisfaction and of deep meaning.

Hinayana: live with purpose -- Mahayana: on-the-job compassion -- Mahayana: six tools for compassionate leadership -- Vajrayana: be awake for each moment.

Business$Religious aspects$Buddhism.
Interpersonal relations$Religious aspects$Buddhism.
Quality of work life.
Spiritual life$Buddhism.
Rinzler, Lodro. The Buddha walks into the office: A guide to livelihood for a new generation
The Buddha walks into the office: a guide to livelihood for a new generation
BIBFRAME EDITOR

- An open source tool for creating BIBFRAME metadata
- Available to test on the web
- Available for download
- http://bibframe.org/tools/
CUSTOMIZE

- BIBFRAME profiles
- Profiles allow for custom editor interfaces
- Currently only locally hosted installs can be customized using profiles
BIBFRAME Lite

- A “modular, layered vocabulary management” subset of the full BIBFRAME ontology
- “Serve as a basis for further scoping by BIBFRAME profiles”
- “Demonstrate the flexibility of BIBFRAME”
- [http://www.bibfra.me/](http://www.bibfra.me/)
TRANSFORM

- MARC to BIBFRAME Transformation Service
- Supply URL to MARCXML data
- OR paste MARCXML data
- http://bibframe.org/tools/transform/start

LINK
• storage of bibframe data is up to implementers.
• nosql database
• a triplestore
• Library of Congress with developer partners are working on pilot projects
• Test your own dataset
• Look at a demonstration dataset
• http://www.loc.gov/bibframe/implementation/
WHERE TO BIBFRAME

- Only a handful of institutions are developing and testing BIBFRAME
- Implimentation register
- http://www.loc.gov/bibframe/implementer/register.html
WHEN TO BIBFRAME
WHEN TO BIBFRAME

- not yet
- not really even soon
- but you can test it out
WHAT'S NEXT?

- Continued testing and development by implementers
- Researchers are developing use cases, vocabularies, comparisons, and tools
STAY IN TOUCH!

- BIBFRAME listserv :-(
- Renegade BIBFRAME Slack group :-)
- #BIBFRAME
- #Idmodels
- #mashcat
WEBLIOGRAPHY

• http://en.wikipedia.org/wiki/Linked_data


• http://www.loc.gov/bibframe/

• http://bibframe.org/

• http://www.w3.org/RDF/

THANK YOU!

ANY QUESTIONS?