

A complex network graph with numerous nodes of various colors (yellow, blue, green, red, purple, orange, pink) connected by a dense web of thin grey lines. The graph is spread across the entire slide, with a higher concentration of nodes and edges in the upper right and lower left areas.

Trekking into the semantic frontier

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Introduction

Semantic search, the ability to search with any word and find exactly what you want without barrier. It's been a dream for at least 3 decades.

Being able to link to any piece of information without worrying about silos or schema of information (linked data, specifically W3C RDF, SKOS, and SPARQL) have made it possible to use data for semantics

And a technology called a knowledge graph (think a crosswalk but with many to many instead of one to one mappings) has made mapping linked data like subject vocabularies a reality in the last ten years.

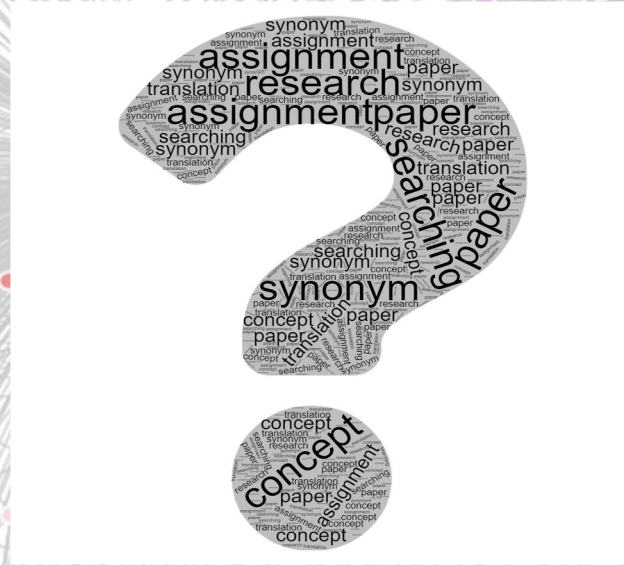
But are libraries taking advantage of these technological developments?

Let's find out...

Scope of problem as seen from libraries



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“How did you get there?": Transparency is Information Literacy

Oral Roberts University EagleSearch

teens

Select a Field (optional)

Search

Popular Terms

- teens
- teens or teenagers or adolescent or young adult
- teens or adolescents
- teens and social media
- teens or teenagers or adolescent

Refine Results

Current Set: **Teens**, a Weekly Reader publication

Current Set: The Insomnia Workbook for **Teens**: Skills to Help You Stop Stressing and Start Sleeping Better

BooleanPh: **Teens** or **teen** or **adolescent** or **adult** AND (ZT Article)

Expanders

Apply equivalent subjects

Limiters

- Full Text
- Peer Reviewed
- Date Published: 2015/01/01-2022/12/31
- Articles Only

Limit To

- Full Text
- Peer Reviewed
- Available in Library Collection
- Articles Only

From: 2015 Publication Date To: 2022

This Year

Last Year

1 result 0 updates

Relevance Page Options Share

escents and young adults in 204 countries and territories, 1990–2019: a

Dong, Qian Qian; Wong, Hai Ming. Journal of Hematology & Oncology 6/9/2021, Vol. 14 Issue 1, p1-14. 14p. DOI:

Background: Accurate appraisal of burden of **adolescents and young adults** (AYAs) cancers is crucial to informing resource allocation and policy making. We report on the latest estimates of burden ...

Subjects: **YOUNG adults**. **TEENAGERS**. GLOBAL burden of disease. OLDER people. HEALTH equity. NON-communicable diseases. WESTERN Europe. OCEANIA

HTML Full Text PDF Full Text Save PDF to Cloud (4.716)

2. RESPONSIBILITY AND CRITICAL THINKING AS MARKERS OF ADULthood IN TWO COMING-OF-AGE FANTASY SERIES: TERRY PRATCHETT'S TIFFANY ACHING NOVELS AND JONATHAN STROUD'S BARTIMAEUS TRILOGY.

By KOHLER, ANNA. Mythlore. 2021. Vol. 40 Issue 1, p103-122. 20p. Database: Humanities International Complete

The article considered that **adolescents and young adults** do not understand adulthood as something achieved by reaching various milestones (transitional events such as reaching a certain age, marr...

Subjects: **Teenagers**. **Young adults**. Psychology. Literature. Marriage

PDF Full Text Save PDF to Cloud (5.416)

3. Association of severe childhood infections with depression and intentional self-harm in adolescents and young adults.

By Leone, Marica; Kupa-Helkio, Ralf. Level. Amy D'Onofrio, Brian M., Larsson, Henrik; Lichtenstein, Paul. Bergen, Sarah E. Brain, Behavior & Immunity. Jan2022, Vol. 99, p247-255. 9p. DOI: 10.1016/j.bbi.2021.10.004. Database: Academic Search Complete

Childhood infections are associated with increased risk of depression and intentional self-harm. Risks were almost entirely explained by factors shared between family members. Childhood inf...

Subjects: **TEENAGERS**. **YOUNG adults**. PROPORTIONAL hazards models. DEPRESSION in **adolescence**. INFECTION; SWEDEN

View this record from ScienceDirect



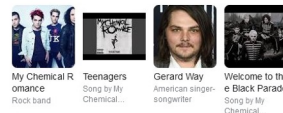
teenagers

- teenagers synonym
- teenagers problems
- teenagers' or teenager's
- teenagers life
- teenagers stereotypes
- teenager age
- teenagers poem
- teenagers lyrics
- christmas
- my chemical romance teenagers lyrics
- preschool
- teenager

People also ask

- What age is a teenager?
- What teenager usually do?
- What it means to be a teenager?

People also search for



Report inappropriate predictions

[https://en.wikipedia.org/wiki/Teenagers_\(song\)](https://en.wikipedia.org/wiki/Teenagers_(song))

Teenagers (song) - Wikipedia

"**Teenagers**" is the fourth and final single and the eleventh track from My Chemical Romance's third studio album, *The Black Parade* (2006).

Genre: Punk rock; pop punk; emo; glam rock;

Songwriter(s): My Chemical Romance

Released: July 9, 2007

Producer(s): Rob Cavallo; My Chemical R...

Background Music video Track listing Charts

Teenager - Simple English Wikipedia, the free encyclopedia

A **teenager**, or **teen**, is someone who is between 13 and 19 years old. They are called **teenagers** because their age number ends with "teen". The word "**teenager**"...

<https://genius.com/My-chemical-romance-teenagers-4>

My Chemical Romance – Teenagers Lyrics - Genius

In this song, the singer (Gerard Way) talks about how adults are apprehensive of **teenagers** for no apparent reason. He remembers how when he was a **teenager**, "...

<https://open.spotify.com/track/>

song by My Chemical Romance - Teenagers

Listen to **Teenagers** on Spotify. My Chemical Romance - Song - 2006.

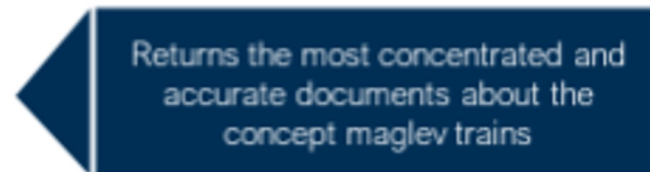
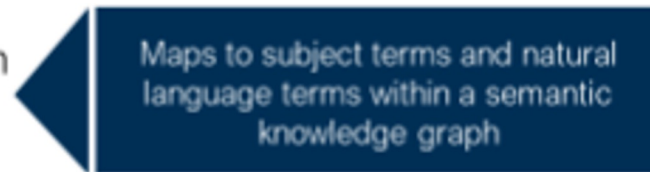
Q: How can semantic search be introduced in libraries?

A: Mapping controlled vocabularies + users' natural language in a knowledge graph
(or via Use For or See Also (655 or 69X MARC fields))

Studies show, user search precision greatly increases (26%) with this approach.



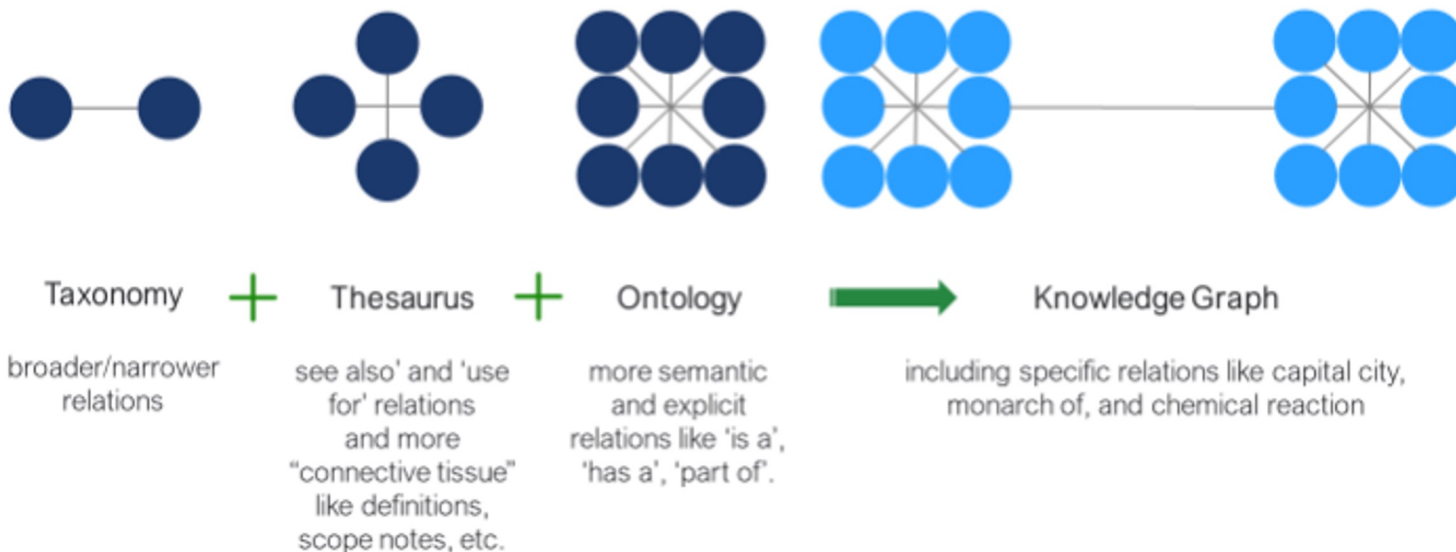
Magnetic levitation
(IEEE Vocabulary) = Electromagnetic suspension
(LCSH Vocabulary) = High-speed train
(High volume natural language term)



How to start mapping:

While there are standards for vocabularies, linked data, & semantics, there are no standards on how to map or implement in search. We need this!

Fundamentals of EBSCO's knowledge graph



A complex network graph with numerous nodes and edges, rendered in a light gray color. The nodes are small circles in various colors (pink, yellow, blue, green, orange, purple, red, brown, and gray) scattered across the slide. The edges are thin, light gray lines connecting the nodes, creating a dense web of connections. A large, light gray rectangular box is centered horizontally across the middle of the slide, containing the text "Thank you".

Thank you

Questions?

Feel free to reach out to:

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afaith@ebSCO.com