Studierende auf dem
Leipziger Semantic Web Tag 2025

Future Knowledge Experts

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Hochschule für Technik, Wirtschaft und Kultur (HTWK) Leipzig

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Hochschule für Technik Wirtschaft und Kultur Leipzig

Main Campus located at Karl-Liebknecht-Straße, Leipzig

- ca. 6.500 students within 6 faculties

  (Source: `https://www.htwk-leipzig.de/hochschule/ueber-uns`)

- 40 degree courses
    - Faculty of Architecture and Social Sciences
    - Faculty of Civil Engineering
    - **Faculty of Computer Science and Media (ca.1.800 students)**
    - Faculty of Engineering
    - Faculty of Business Administration and Industrial Engineering
   - Faculty of Digital Transformation

Quelle: Wikipedia, Lange Nacht der Computerspiele

**HTWK**

Faculty Computer Science and Media

- 18 degree courses
    - Bibliotheks- und Informationswissenschaft (B.A., M.A.)
    - Buch- und Medienproduktion (B.Eng.)
    - Buch- und Medienwirtschaft (B.A.)
    - Digitale Print-Technologien / Drucktechnik (B.Eng.)
    - Druck- und Verpackungstechnik (M.Eng.)
    - Fernsehproduktion (B.A.)
    - **Informatik (B.Sc., M.Sc.)**
    - **Medieninformatik (B.Sc., M.Sc.)**
    - Medienmanagement (M.Eng.)
    - Medientechnik (B.Eng.)
    - Museologie (B.A.)
    - Museumspädagogik | Bildung und Vermittlung im Museum (M.A.)
    - Publishing Management (M.A.)
    - Verpackungstechnologie und Nachhaltigkeit / Verpackungstechnik (B.Eng.)

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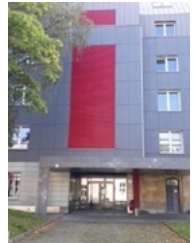
Inhalte: Modul Semantic Web / 5. Semester B.Sc.

- ✓ Einführung / Linked Data
- ✓ Resource Description Framework (RDF)
- ✓ RDF Serialisierungen / Abfragesprache SPARQL
- ✓ RDF-Schema
- ✓ OWL Syntax
- ✓ Linked Open Data
- ✓ Semantische Suche / Semantic Search
- ✓ Anwendungen
- ✓ Datenqualität im Web / Linked Data Quality
- ✓ Ontology Engineering
- ✓ Weitere Aspekte
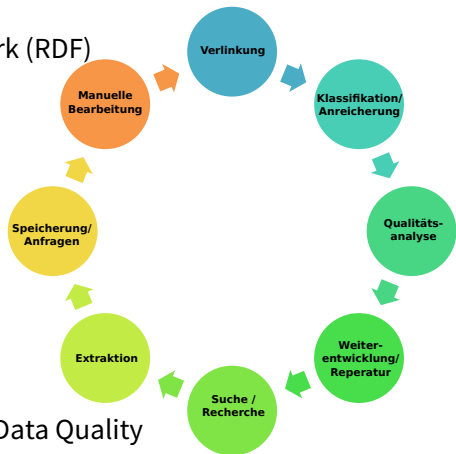
25 Studierende / 25 participating students

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Students Posters

- 15 Posters from 26 students talking about their projects of data semantification

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Amazon book reviews and user preferences

■ Author: Erik Kessler

The semantics of streaming data: Analysis of user behavior on Twitch

- Authors: Jakob Glück, Erwin Bause

Microsoft News Dataset: A Semantic Web Exploration

- Authors: Anna Liepelt, Tristan Sopauschke

Goodreads book review

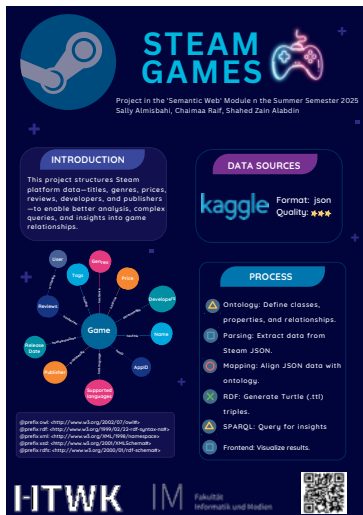- Authors: Anastasia Christabel Utomo, Minh Huy Nguyen, Coffi Gracia Wilfrid Akplogan

Urban Violence in LA & US Press Freedom

- Author: Lisa Wilhelm

Steam Games

- Authors: Sally Almisbahi, Chaimaa Raif, Shahed Zain Alabdin

Most Streamed Spotify Songs 2024

- Authors: Franca Lenz, Sofia Berdichevska

Most Streamed Spotify Songs 2024

What influence do TikTok and YouTube have on the streaming numbers of songs on Spotify – and which platform contributes more to their success?

Project for „Semantic Web" im Sommersemester 2025
4. Sem. Medieninformatik Bachelor, Fakultät Informatik & Medien
Franca Lenz, Sofia Berdichevska

Datasource

Link   www.kaggle.com
Data   Song Statistics
CSV   ★ ★ ★ ★

Ontology

made with: protégé

@prefix owl: http://www.w3.org/2002/07/owl
@prefix xsd: http://www.w3.org/2001/XML/Schema
@base http://www.w3.org/2002/07/owl

Data analysis
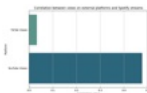
Conclusion:
YouTube has a clear influence on Spotify streams, while TikTok has almost no overall effect on the streaming numbers. YouTube has a significantly greater impact. TikTok only influences Spotify streams in individual cases.

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Healtch care services and providers

- Authors: Viktoriia Barchina, Artem Zakharevych
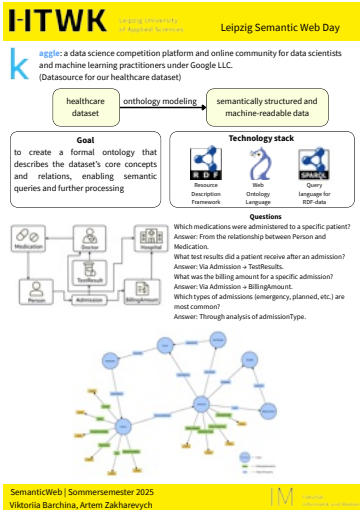
The Semnantics of the Internet Movie Database - IMDb

- Author: Pascal Henrici

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Netflix Movies and TV Shows

- Authors: Ilyass Essar Rhini, Khalil Chafai

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Global Cybersecurity Threats 2015-2024

- Author: Dan Selig

How Political Bias in Newspapers influences the spread of Fake News?

- Authors: Carl-Moritz von Butler, Steve Rossow

Anime Recommendation Database

■ Author: Maxim Strasser

Phishing Websites

- Author: Lennart Zipfel
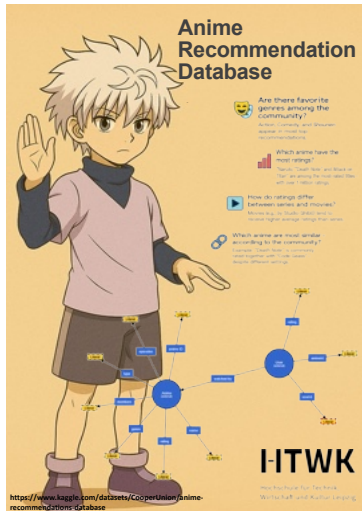
Analysis of Youtuve Trends with RDF and SPARQL

■ Authors: Anass Boustani, Mohammed Abdmugheni