Hackathon project «Reference data for Anime and Manga: Semantic Linking and Publishing of Diverse Data-Sets»

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A problem and an answer

- Ontology-based integration of engineering data should be transparent for engineers and to logicians. What does it mean? To understand simultaneously plant models, equipment, P&ID diagrams, and classes, properties and inverse properties, inheritance.
 - Few people know both. Even fewer among them use the same terms for objects they probable share.
 - Engineering datasets come from industrial proprietary CAD systems, ontology tools are open-source university apps.
 - Engineering data is guarded behind corporate firewall, ontology research in public.
- We need non-industrial example of engineering ontology work to test and publicize approaches, method and tools. What can it be?

Anime and manga production as engineering

- Studio, distribution and fandom as **Enabling system** and "inside-anime world" as **System-of-interest** complexly related.
- Derivative works as Product lines and Customtuned models: what is our typical system?
- Complex data with high variety:
 - Unstructured texts, video, picture datasets and also relational production and fandom data.
 - Blurred border between structured and unstructured data (lessons from IBM Watson: ontologies help to answer questions but aren't a primary source of information)

Community

Details Reviews

Adaptation: Kill la

Kirvuuin, S

Mankansho

Matoi, Ryu

Imaishi, Hi

Director, Ep

Tachikawa

Episode Dire

Movies, TV

Ratings: 8.4/10 from 311 users

Your rating: ★★★★★★★★★ -/10

A young girl arrives at a school of superhumans to find ou

Stars: Ayumi Fujimura, Ami Koshimizu, Shin'ichirô Miki | S

Mataro Mankanshoku / ... , ...

Kill La Kill (2013-)

Reviews: 6 user

Main

Staff

Revie

Kill I

serie

Ther

enlia

I fou

Season: 1

Cast

Year: 2014 | 2013

Series cast summary:

Ayumi Fujimura

Kill la Kill



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Alternative Titles

English: KILL la KILL Synonyms: KLK Japanese: キルラキル

Information

Type: TV Episodes: 24

Status: Currently Airing Aired: Oct 4, 2013 to ?

Producers: Aniplex, Kadokawa Shoten, Aniplex of America, Trigger

Genres: Action, Comedy, School

Duration: 24 min. per episode Rating: R - 17+ (violence & profanity)

represents licensing company

Statistics

Score: 8.101 (scored by 32461 users)

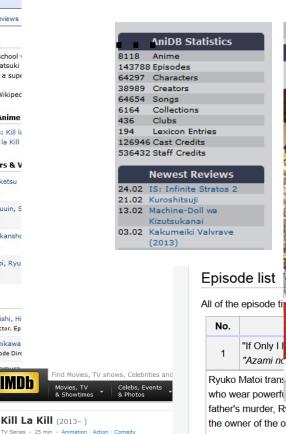
Ranked: #3722 Popularity: #143

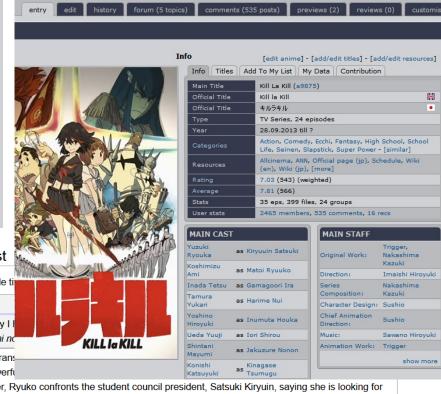
Members: 98.825

Favorites: 1,449

1 indicates a weighted score 2 hased on the ton anime name

Datasets, datasets,





father's murder, Ryuko confronts the student council president, Satsuki Kiryuin, saying she is looking for the owner of the other half of a giant scissor blade she wields. She is beaten by the school's boxing club captain, Takaharu Fukuroda, using the power of his Two-Star Goku Uniform. Fleeing to her ruined home nearby and lamenting her defeat, Ryuko is dropped down a trapdoor by her homeroom teacher, Aikuro Mikisugi. She lands in a basement and discovers a living sailor uniform that forcibly puts itself on her. The next day. Takaharu prepares to execute Ryuko's friend and classmate Mako Mankanshoku for treason. Ryuko arrives to rescue her and confront Takaharu again, this time using her new uniform's powers to defeat him and destroy his Goku Uniform. Afterwards, Ryuko questions Satsuki again about the wielder of the other scissor blade, who is allegedly the one who killed her father.

"So Sexy She Might Pass Out" "Kizetsu Suru Hodo Nayamashii" (気絶するほど悩ましい)

October 10, 2013

Ryuko is fatigued after her battle and flees, passing out and ending up in the care of Mako's family. That night, Ryuko recalls how she was introduced to the uniform, which she decides to name Senketsu, who was created by her father, Isshin. The next day, Ryuko comes across the tennis club captain, Omiko

A) The Rererence Data

- We hold firm ontology commitments, grounded in ISO 15926 4D extensional ontology (self-education reading sequence: http://levenchuk.com/2012/10/01/iso-15926-self-education-sequence/).
- We want to be a part of federated Reference Data Libraries (RDL).
- We prefer to link to PCA reference data wherever possible: (http://rds.posccaesar.org/downloads/PCA-RDL.owl.zip or http://posccaesar.org/endpoint/sparql).
- We will try to develop domain ontology (classes and templates n-ary relations) rich enough to map a sensible selection of anime-manga online resources.
- We will evaluate reuse of other ontologies (look at BBC Programmes ontology http://www.bbc.co.uk/ontologies/programmes/2009-09-07.shtml, Schema.org for TV and Radio markup http://blog.schema.org/2013/12/schemaorg-for-tv-and-radio-markup.html)

Results: published anime-manga domain RDL (OWL file and probable SPARQL endpoint)

b) The Semantization of Datasets

- We will develop patterns for anime-manga semantic data structures (bases on classes and templates of domain RDL).
- We will program adapters to access selected datasets and map native data model to developed patterns.
- We will run adapters and create sematic data from anime-manga sources in ISO 15926-8 RDF.
- Datasets:
 - http://anidb.net (API: http://wiki.anidb.net/w/API)
 - http://myanimelist.net (API: http://myanimelist.net/modules.php?go=api)
 - IMDB (how to get it: http://blog.teamtreehouse.com/coding-a-dynamic-imdb-webapp-using-my-movie-api)
 - Wikipedia
 - ...
- Documentation for .15926 Editor patterns and mapping: http://techinvestlab.ru/V4

c) The Linked Data

- We will attempt to use Flask webframework (http://flask.pocoo.org/) to publish our semantic data in human readable form.
- We will use the same patterns used for mapping to guide human representation.
- We will attempt to enhance Linked Data pages with more semantic mark-up (schema.org?).

Result: published human readable Linked Data pages for anime-manga semantic data.

Whom do we need?

- Otaku (anime and manga fans) to understand data and engineers to build ontology.
- Data modelers to develop patterns.
- Python programmers to access native APIs of online resources and encode mappings.
- Web designers to develop concept pages.
- Semantic markup (schema.org anyone?) specialists to develop and embed semantic markup.

Thank you

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.15926 Editor 1.4 freeware:

http://techinvestlab.ru/dot15926Editor

(documentation:

http://techinvestlab.ru/15926EditorDocumentation)