LOD Stories

Learning About Art by Building Multimedia Stories

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University of Southern California, United States

Miel Vander Sande
Ghent University, Belgium
Mr. Bean (2007)
Rowan Atkinson
Mr. Bean (2007)
<table>
<thead>
<tr>
<th>Title</th>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>Unseen Bean (Video)</td>
<td>1995</td>
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<tr>
<td>Mr. Bean</td>
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<tr>
<td>Full Throttle (TV Movie)</td>
<td>1995</td>
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<tr>
<td>Sir Henry &quot;Tim&quot; Birkin</td>
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</tr>
<tr>
<td>Mr. Bean (TV Series)</td>
<td>1990-1995</td>
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<td>Mr. Bean</td>
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<td>- The Bus Stop (1995) ... Mr. Bean</td>
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<tr>
<td>Animated StoryBook: The Lion King</td>
<td>1994</td>
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<tr>
<td>Zazu (voice)</td>
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<tr>
<td>Schmidteinander (TV)</td>
<td>1994</td>
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<td>Mr. Bean</td>
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<td>- Episode #5.6 (1994) ...</td>
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<tr>
<td>The Lion King</td>
<td>1994</td>
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<td>Zazu (voice)</td>
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<td>Four Weddings and a Funeral</td>
<td>1994</td>
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<td>Father Gerald - Wedding</td>
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<td>Hot Shots! Part Deux</td>
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<td>Dexter Hayman</td>
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<td>Election 92 (TV Movie)</td>
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<td>Mr. Bean</td>
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**The Lion King**

Zazu (voice) 1994
Zazu

The Lion King (1994)
Main Actor

Mr. Bean's Holiday

Voice

The Lion King

Main Character
LOD Stories
Related Work

Everything is Connected
http://everthingisconnected.be
Related Work

WikiLinks
LOD Stories

Relationship Exploration

Learning Using Multimedia

User Engagement
A Slide Demo...
Andy Warhol
Linked Open Data Stories

Andy

Andy Warhol
Andy Gold
Andy Warhol (August 6, 1928 – February 22, 1987) was an American artist who was a leading figure in the visual art movement known as pop art.
Node Navigation Bar: Nodes as in the path
Multimedia Collection: images and videos from the web
Multimedia Collection: images and videos from the web
Andy Warhol (August 6, 1928 – February 22, 1987) was an American artist who was a leading figure in the visual art movement known as pop art.
Andy Warhol (August 6, 1928 – February 22, 1987) was an American artist who was a leading figure in the visual art movement known as pop art.
Andy Warhol (August 6, 1928 – February 22, 1987) was an American artist who was a leading figure in the visual art movement known as pop art.
Switch to node: Pittsburgh
Andy Warhol Documentary Film Part 1 of 2

A Co-Production of
STEEPLECHASE FILMS
DANIEL WOLF
HIGH LINE PRODUCTIONS
and
Thirteen/WNET New York

YouTube
Google Images and Videos

Text to Speech Software

Puzzle Pieces Topic Transition
How it works...
Path Finder
Machine Learning

Training Datasets

<table>
<thead>
<tr>
<th>Feature 1</th>
<th>Feature 2</th>
<th>Feature 3</th>
<th>Feature 4</th>
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<th>Interestingness</th>
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Machine Learning

Formula for Interesting Relationships
Path Finder

Subject Degree
Object Degree
Subject Extension Rarity
Object Extension Rarity

Andy Warhol  Author  Campbell’s Soup Can

Normalized Feature Value (Subj. Deg.)

Andy Warhol  ?  *

Person  ?  *
Path Finder

Subject Degree

Object Degree

Subject Extension Rarity

Object Extension Rarity

Andy Warhol

Author

Campbell’s Soup Can

Soup Can

Work

Normalized Feature Value (Obj. Deg.)
Path Finder

Subject Degree

Object Degree

Subject Extension Rarity

Object Extension Rarity

Andy Warhol

Campbell’s Soup Can

Author

Normalized Feature Value
(Subj. Ext. Rarity)

Author

Author
Path Finder

Subject Degree

Object Degree

Subject Extension Rarity

Object Extension Rarity

Andy Warhol

Campbell’s Soup Can

Normalized Feature Value (Obj. Ext. Rarity)

Author

Soup Can

Author

*
Path Finder

Subject Degree
Object Degree
Subject Extension Rarity
Object Extension Rarity

Rank = 3.9595 * Subj. Extension Rarity + 0.8631 * Obj. Extension Rarity - 0.1643 * Subj. Degree + 0.0014 * Obj. Degree + 1.2353

Andy Warhol
Author
Campbell’s Soup Can
<table>
<thead>
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<td>4.65E-05</td>
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Path Finder

Andy Warhol

Author

Campbell’s Soup Can

Hmmm… Pretty Interesting
Path Finder
User Feedback

To LODStories, tell us whether you like the story

What do you think make the story interesting?

☐ The whole story? ☐ The Beatles ☐ Liverpool ☐ the relationship?
Submit and play next

UNDER CONSTRUCTION
check back soon
Discussion
Project Features

Path Recommendation Mechanism

Multimedia Elements Mash-up

Flexible Editing
Future Work

- Improve Machine Learning Model
- Enrich Path Explorer and Story Editor Functionalities
- Fully Integrate with Smithsonian Museum Datasets
Thanks!

http://lodstories.isi.edu