Describing and exploring multimedia data in search of information and knowledge in the news and other patrimonial domains:

an overview of past and current projects

Guig

on behalf of the Linkmedia folks!
Content-based hypergraph construction aware of acceptability and usage

- From a collection, how to automatically build an hypergraph that provides exploitable links?
  - segmentation, linking

- How collections with explicit links modify usage?
  - acceptability, law, practice

Two application domains:
- Education = facilitate learning from audiovisual material
  - investigation on segmentation and impact
- News = explore collections to gain insight on a topic/event
  - investigation on linking and impact
LIMA[c]H[e] – Organizing content

- **Upstream study** using mockups with journalists

- **User performance and acceptability study**
  - 3 weeks of paper, radio and TV news
    - ~5000 documents, transcription + topic segmentation for radio/TV
  - 3 versions = 3 groups, 25 infocom students & 7 journalists (v3) in total

**Study 1. Evaluating performance.**
- 25 journalists & infocom students
- 3 distinct groups

**Study 2. Evaluating acceptance.**
- 6 journalists + 1 researcher
- version 3 only
LIMA[c]H[e] – The human factor

A 3 step study for each user:

Step 1 & 2: test on either LIMAH or their usual tools
Step 3: mixing tools
Fake news

Aspects pratiques

Out-of-context reuse

Deep fakes

Image-based provenance

Forensics

Questions théoriques

indexability of datasets

query difficulty

outlier detection

detect adversarial sample

panda
(57%)
gibbon
(99%)
iCODA – Toujours plus loin…

Knowledge mediated Content and Data Interactive Analysis
iCODA – Toujours plus loin…

The general principle
Heterogeneous (virtual) graph

The research
READ-IT – Un nouveau terrain de jeu

Premises
- Aim(s)
- Activity(ies)
- State of mind

Outcomes
- Achievements
- State of Mind
- Remembrance

Context- Events

Reading Session

Reader (A) → Device (B) → Content (C)
More on the way...

Exploration des archives Gallica de la BNF par analyse du contenu visuel

Détection des situations de harcèlement entre adolescents sur les réseaux sociaux par analyse multimodale
That's all Folks!