



EUROPEAN EDUCATIONAL RESEARCH  
**Quality Indicators**



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## **Automatic Semantic Analysis**

**Ágnes Sándor**  
**Xerox Research Centre Europe**  
**[Agnes.Sandor@xrce.xerox.com](mailto:Agnes.Sandor@xrce.xerox.com)**



# Automatic semantic analysis in EERQI

- In research phase, not a solution already tested
- Hypotheses:
  1. Some sentences in research articles are especially relevant for understanding the main ideas of the articles. We call them key sentences.
  2. Key sentences are
    - Summary sentences
    - Sentences that convey issues related to research problems
  3. The detection of key sentences can
    - help reading an article -> make quality judgments
    - serve in a search engine for relevance detection

# Reading assistance and reading strategy

<http://www.greece.k12.ny.us/instruction/ela/6-12/Reading/Reading%20Strategies/reading%20strategies%20index.htm>



## Reading Strategies

*Scaffolding Students' Interactions  
with Texts*

Before	During	After	Reading Strategy	Description
	•	•	<u>Annolighting</u> <u>A Text</u>	This active reading strategy links concept of highlighting key words and phrases in a text and annotating those highlights with marginal notes.

### Purposes/Goals of Annolighting

- Capture main ideas / key concepts / details of a reading
- Target, reduce and distill the needed information from a text
- Cut down on study and review time when you return to the material increasing your effective and efficient use of time and effort
- Strengthen your reading comprehension

# Reading assistance

*This paper considers the cultural issues associated with the use of flexible delivery in offshore international education. It discusses the work of Lyn Henderson and Betty Collis, who argue for 'culturally-flexible' instructional design for diverse student populations. These approaches to online pedagogy are valuable, but local face-to-face teaching remains crucial.*

## CULTURAL DIVERSITY AND TRANSNATIONAL FLEXIBILITY DELIVERY

Many commentators have mistaken this technological possibility for a dominant social reality, failing to take account of the factors that limit cross-border study (for example, Knight 1994; West 1998).

Summary sentence

The use of online learning in offshore delivery raises a number of cultural issues.

In order to ensure longer-term sustainability in the delivery of offshore education, such issues are increasingly pertinent. (Farrell 1999; Latchem 1997; Rizvi and Walsh 1998) Students' experience of learning in virtual environments is a critical area of concern for educators throughout the world (HIS 1995) but little research has been conducted into the cultural bases of such experiences.

Research issue sentence

These examples, only briefly sketched here, represent some of the most thorough attempts at culturally responsive educational multimedia development in the world.

Henderson has effectively put out a challenge to design courses that are capable of being all things to all people. This is a tall order. In these times, it is very difficult to mount an argument against the idea of 'flexibility', in any sphere of life.

Summary and research issue sentence

The practical value of such principles in course design is an open question, and evaluative research on various models of transnational flexible delivery is needed to ascertain the usefulness of Collis's suggestions.

The first issue I want to raise is the practical limitations on the flexibility of the institution. A

Words that trigger the selection of the sentence

Such an approach would also require a considerable commitment of time on the part of teaching staff throughout the semester in order to interact with students and build the online resources as the course proceeds. The

As flexible delivery of tertiary education internationalises, research is needed to inform the development of relevant, appropriate and culturally sensitive pedagogy for the virtual learning spaces that are increasingly being inhabited by students all over the world.

# Reading assistance

This paper considers the cultural issues associated with the use of flexible delivery in offshore international education. It discusses the work of Lyn Henderson and Betty Collis, who argue for 'culturally-flexible' instructional design for diverse student populations. These approaches to online pedagogy are valuable, but local face-to-face teaching remains crucial.

- Topic: Cultural issues associated with the use of flexible delivery in offshore international education
- Basis: work of L. H. and B.C. Their argument: 'culturally-flexible' instructional design for diverse Student population.
- Conclusion: local face-to-face teaching remains crucial.

Many commentators have mistaken this technological possibility for a dominant social reality, failing to take account of the factors that limit cross-border study (for example, Knight 1994; West 1998).

- Problem: mistake technological possibility with social reality, fail to take account of limiting factors that limit the cross-border study.

The use of online learning in offshore delivery raises a number of cultural issues.

- Problem: cultural issues

In order to ensure longer-term sustainability in the delivery of offshore education, such issues are increasingly pertinent. (Farrell 1999; Latchem 1997; Rizvi and Walsh 1998) Students' experience of learning in virtual environments is a critical area of concern for educators throughout the world (HIS 1995) but little research has been conducted into the cultural bases of such experiences.

- Critical area: study students' experience of learning in virtual environment, but little research up to now

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- Examples of state-of-the-art culturally responsible educational multimedia development

Henderson has effectively put out a challenge to design courses that are capable of being all things to all people. This is a tall order. In these times, it is very difficult to mount an argument against the idea of 'flexibility', in any sphere of life.

- Henderson: design courses for everybody
- Difficult to argue against this today.

The practical value of such principles in course design is an open question, and evaluative research on various models of transnational flexible delivery is needed to ascertain the usefulness of Collis's suggestions.

- Evaluative research is needed on transnational flexible delivery.

The first issue I want to raise is the practical limitations on the flexibility of the institution.

- Problem: limitations of the flexibility of institutions.

Such an approach would also require a considerable commitment of time on the part of teaching staff throughout the semester in order to interact with students and build the online resources as the course proceeds. The

- Problem: a lot of time commitment would be needed

As flexible delivery of tertiary education internationalises, research is needed to inform the development of relevant, appropriate and culturally sensitive pedagogy for the virtual learning spaces that are increasingly being inhabited by students all over the world.

- Further research is needed

# Relevance detection in search engine for

*This paper considers the cultural issues associated with the use of flexible delivery in offshore international education. It discusses the work of Lyn Henderson and Betty Collis, who argue for 'culturally-flexible' instructional design for diverse student populations. These approaches to online pedagogy are valuable, but local face-to-face teaching remains crucial.*

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← Query: "transnational flexible delivery":  
1 occurrence, so this document would be rated low among documents on transnational flexible delivery

## Experiment with Angela

Submission for the workshop “NLP for Social Sciences”: Extracting salient messages from social science research papers for improving the relevance of document search

- Query the EERQI search engine: sport AND school
- 1200 documents ranked by the EERQI search engine where the relevance ranking is based on statistics

# Conclusions

- the relevant articles returned by the EERQI search engine among the top ranked articles and those selected by our analysis are disjoint → the two approaches are complementary
- our analysis returns a considerable number of relevant articles that would appear late in the search engine's ranked list → the integration of the two tools could be beneficial for the user
- we have identified systematic errors
- further work:
  - fix systematic errors
  - define an integration algorithm