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Browsing, Sharing, Learning and Reviewing the *Haine du théâtre* Corpus through Insightful Island

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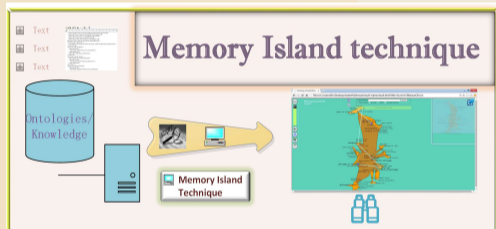
ABSTRACT

In a participatory perspective, new tools are required to share the contents and results in the scientific community in general, and in the DH community in particular. Furthermore, the users of corpora are waiting for tools that help them to understand, to seek information and to memorize. In this poster, we show how to use Memory Island (MI) technique to help to create an insightful visualization for the *Haine du théâtre* (HdT) corpus. More generally, we discuss the design of systems based on the Memory Island technique for sharing, learning and reviewing the humanities and literary corpora.

CONTEXT

❖ Memory Island Technique.

- Inspired by the "Art of Memory" (method of "loci").
- Browsing, Sharing, Learning, Reviewing and Memorizing corpus and knowledge.



❖ The *Haine du théâtre* Project.

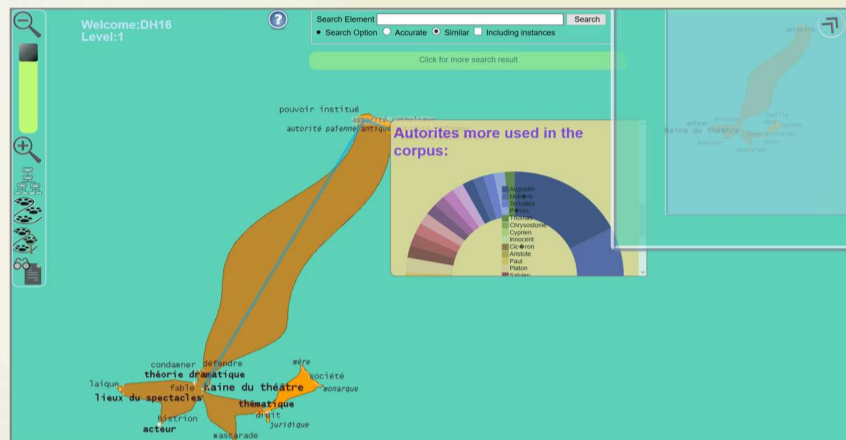
- It analyses theater debates in Europe about the virtues and vices of the theater in the 17th- & 18th-Century.



❖ Users are waiting for a tool (e.g. knowledge Map) to help them with their information seeking tasks. They want to improve their understanding and memorability with the corpus. The insightful island is one of the most promising tool.

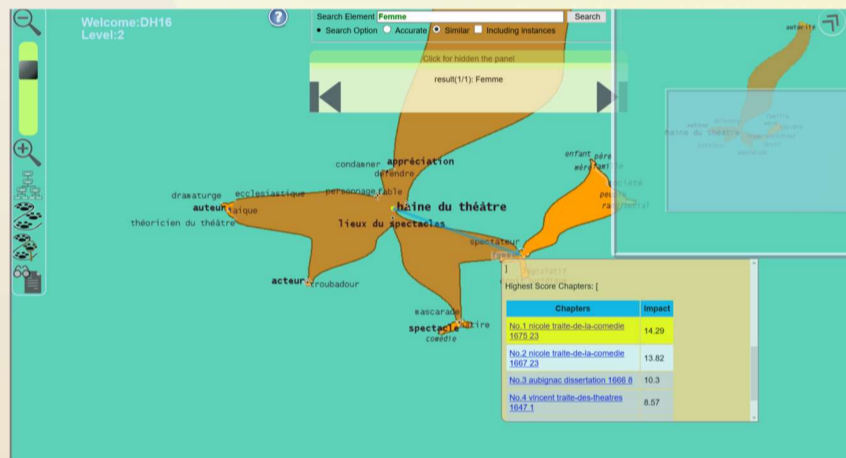
Visualizing the *Haine du théâtre* Corpus as an Insightful Island

- Visualize the HdT corpus as an insightful Island.



- Knowledge Island allows users to navigate through the corpus, based on the insights of experts from literature.

- Access, detail information and search. Users can immediately understand the concepts,



- Navigating through the HdT Corpus with Map Interactive functions and Learning with Review function.

- Review function provides the user a summary about his/her studied concept, prepared by the expert.

Observatoire de la vie littéraire

Review the concept with resume.

Original Text:

chapitre ii.
Que la representation des Comédies et Tragedies étoit un acte de Religion parmi les Grecs et Romains.

Avant que d'entrer en matière, je suis obligé de remarquer deux choses pour faciliter l'intelligence de tout mon discours: l'une que le Théâtre ne signifie pas proprement comme sous l'entendons aujourd'hui, l'échafaud où paraissoient les Acteurs des Comédies et Tragedies, mais un usage lieu composé de plusieurs bâtimens, galeries, promenoirs, et sièges pour les Spectateurs, au milieu duquel étoit un espace vide, où l'on jouoit divers spectacles, comme de Gladiateurs, d'Abbâtes et autres, selon le différent usage des Villes et des Provinces, où l'on dressoit l'échafaud composé de plusieurs jallies, que nous appellons maintenant comme d'un nom propre, le Théâtre; et là se faisoient plusieurs Jeux, de musique, de danse de Poésie, et plusieurs autres combats que l'on a souvent conçus tous ensemble sous le nom de Jeux Solennels ou de Théâtre. Mais rejetant ici tous les combats et Spectacles qui ne regardent

Review:

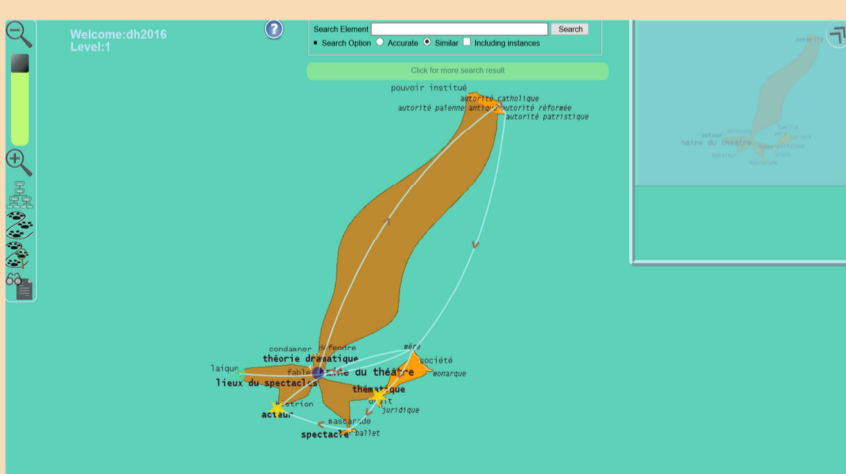
According to the textes we analyse in this corpus (17th and 18th centuries in France), theatre is traditionally a way which allows the expression of conflicts of various order. It is a public activity, a mean of expression of a collective sentiment which, despite its opposition, always had a great deal of success. According to its opponents, theatre is scandalous in itself since it distorts pity, morality and christian religion.

Results for the association of the concepts: economy and theatre

- *vincent traite-des-theatres 1647_11*
- *subsignac: dissertation 1666_11*
- *voisin_defense 1671_23*
- *voisin_defense 1671_24*
- *subsignac: dissertation 1666_11*
- *vincent traite-des-theatres 1647_11*
- *voisin_defense 1671_23*
- *subsignac: dissertation 1666_11*

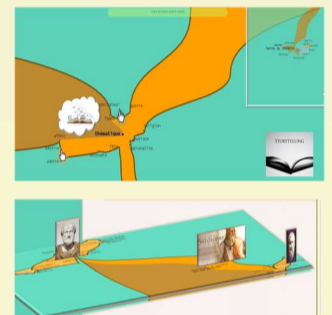
Review Concept for Memory Island (2015.10) All rights reserved

- Visualizing his/her visiting and studying trace.



CONCLUSION AND PERSPECTIVES

- Design a visualization system for sharing, learning and reviewing the humanities and literary corpora based on the Memory Island technique.
- This approach are already applied for the children's textbooks and other corpus, the encyclopedia of Philosophy, the ontologies, the biologic datasets, etc.
- We envisage integrating more Natural Language Processing and Artificial Intelligence techniques.
- We are planning to add more functions to this visualization systems.
 - Improve users' memorability.
 - Storytelling.



REFERENCES

- Gansner, E., Hu, Y., and Kobourov, S. (2013). *Handbook of Human Centric Visualization*. Springer.
- Okada, A., Shum, S.B., and Sherborne, T. (2008). *Knowledge Cartography: Software Tools and Mapping Techniques (Advanced Information and Knowledge Processing)*. Springer.
- Torrance, E.P. (1970). *Dyadic interaction as a facilitator ossf gifted performance. Gifted Child Quarterly, 14(3):139-143.*
- Yang, B. (2015). *Memory Island: Visualizing Hierarchical Knowledge as Insightful Islands. Ph.D thesis, University Pierre and Marie Curie.*

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