

Using Text Mining to explore relations in texts:
application to the discovery of pairings between *objects of interest*
and their *locations* in the *Bayeux Tapestry*

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The Bayeux Tapestry

- A narrative embroidery of the 11th century
- UNESCO Memory of the World
- Nearly 70 metres (230 ft) long and 50 centimetres (20 in) wide



- Telling the epic story of the conquest of England in 1066 by William, Duke of Normandy

Context

Goal of this specific project

To automatically link **objects of interest** to **locations** in the Tapestry from documents of the abundant literature about it

Long-term objective

To enrich the indexing system of a **Spatialised Document Information System** for :

- managing and enhancing documentary resources related to the Bayeux Tapestry
- accompanying all the persons interested in the Tapestry, particularly scholars in Humanities, curators-restorers, specialists in textile and the public

Research interest

Challenge

- 1 Need to find links between OI and location
- 2 Impossible to know all linguistic forms for linking
- 3 Need to use Knowledge Discovery methods (Data Mining)
- 4 **Problem** : a lot of text data but without annotation (no preliminary information indicating what/where to look for)

Intermediate objective

To design a methodology to enrich raw texts into annotated resources so that Data Mining methods can be used and text data progressively enriched