Request based multi-document summarization for contextualization

Modern communication means (SMS, microblogs, tweet, search queries) tend to follow the principle of least effort and produce texts which are hard to understand for the non expert reader. Text summarization smartly addresses this issue by providing a context with high readability to the user.

**DESCRIPTION**

- The software allows multi-document summarization for short message contextualization (e.g. tweet contextualization).
- This method is based on:
  - named entity recognition,
  - part-of-speech weighting and
  - sentence quality measuring.
- This method is not a “copy and paste” approach and creates original content with high clarity.
- This approach includes smoothing from the local context, exploits topic-comment structure of a text and a graph-based algorithm for sentence reordering.

**APPLICATIONS**

- Business intelligence
- Scientific watch
- Augmented reading (newspapers, experience feedback databases)
- Search engines (query expansion)

**COMPETITIVE ADVANTAGES**

- High readability (languages of latin origin)
- Multi-documents summarization
- User-scalable output preserving intellegibility

**INTELLECTUAL PROPERTY**

- Software

**DEVELOPMENT STAGE**

- Technology validated at lab level and through international evaluation

**LABORATORY**

- Big Data and Information Retrieval (Information System team)

**CONTACT**

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