A Language Independent Algorithm for Single and Multiple Document Summarization

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Text as a Graph

Mathematical Model

Single Document Summarization

Multi-Document Summarization

Why TextRank Works

All the pros ...

- Unsupervised – information exclusively drawn from the text itself
- Goes beyond sentence connectivity (see sentence 15)
- Gives a ranking over all sentences in the text – can be adapted to longer/shorter summaries
- No training data required – can be adapted to other languages
- Can be used for both single and multiple document summarization