

QUANTIFYING CONCEPTUAL DENSITY IN TEXT

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Aims In this project we aim to establish a method of quantifying the conceptual density in text corpora. Conceptual density is roughly how complex the connections between concepts are in a text (e.g. how many other concepts are referenced when explaining a given idea).

Objectives The main focus will be around literature review, identifying suitable text corpora, and testing existing published methods. If there is time we would like to also develop a system for quantifying conceptual density.

- Background reading;
 - Conceptual Density - Definitions and related work
 - Objective measures of conceptual density
 - Hypertext markers
 - Textual Signposting
 - Topic Segmentation
 - Other relevant topics
- Identify text corpora
- Test published methods on the above corpora
- Develop, implement, and test a system.

Timeline

- Mar-Apr: Background reading
- Apr: Identify text corpora
- May-Jun: Preliminary results (Interim report)
- Jul-Aug: Test published methods on the above corpora
- Sep-Oct: Develop, implement, and test a system (Final report).

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