beyond postmortem descriptions

natural language generation for historical figures

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Outline

1. data
2. psychological description
3. neural description
4. neural simulation
Figure 1: N.F.S. Grundtvig, 1783-1872, 1170 text objects → influential writer, graphomania, distinct phases in writings

Figure 2: Keyword queries on time and document - naive compositional assumption → “atoms of meaning”
Figure 3: Developmental trajectories of creativity and affect with distinct phases

Figure 4: Comparison of Grundtvig, Andersen og Kierkegaard’s creative trajectories


Figure 5: Neural embeddings in a hierarchical semantic graph centered on \{heaven, earth, hell\}

stage 3 neural reconstruction

Figure 6: Recurrent neural network that learns Grundtvig’s language from sub-word data.

https://centre-for-humanities-computing.github.io/grundtvig-chatbot-app/
Thank you for your attention