

Content Analysis of Values-Affirmation Essays

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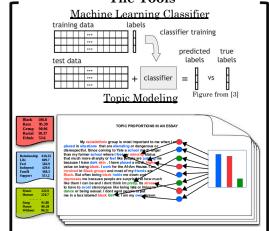
The Questions

- >Values affirmation interventions have been shown to be effective at improving outcomes in a number of domains.
- >Less is known about the content of the writing produced as part of the affirmation.
- >Integrating tools from computer science & psychology, we answer the questions:
- **Q1:** What do people write about in values affirmation essays?
- >Q2: What linguistic features distinguish younger and older writers?

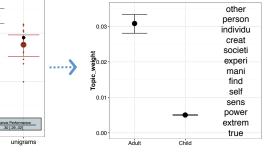
The Data

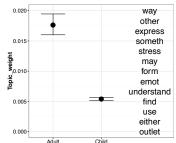
- >Affirmation essays from 9 studies (published and unpublished) over the last decade.
- Classifier features:
 - >Unigram language model
 - >TF-IDF language model
 - >Within-essay topic distribution from topic model
- >Classifier labels:
 - Essay written by an adult vs by a child
- >8,554 essays
- >Inclusion criteria:
 - >Prompts did not dramatically depart from standard affirmation prompt

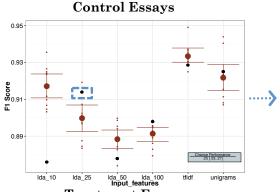
The Tools

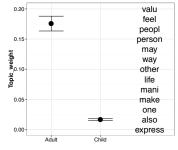


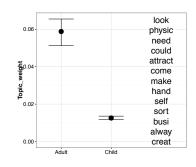
All Essays Top 2 most discriminative features from bestperforming classifier other person other person

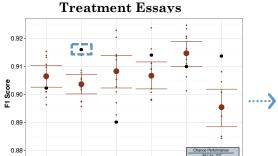


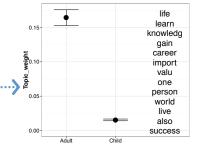


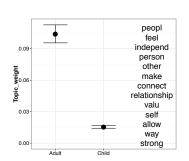












Digital version:

>Adults and children have very different approaches when writing valuesaffirmation essays

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- >Children spend more language writing about the value itself (not shown)
- Adults spend more language connecting the value to reasons for its importance

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