Modeling and Analyzing Adolescent Morality

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Adolescent Morality

"Where do your moral views come from?"

Intuitive: "I trust my gut instinct"

Consequentialist: "I am abiding by the law"

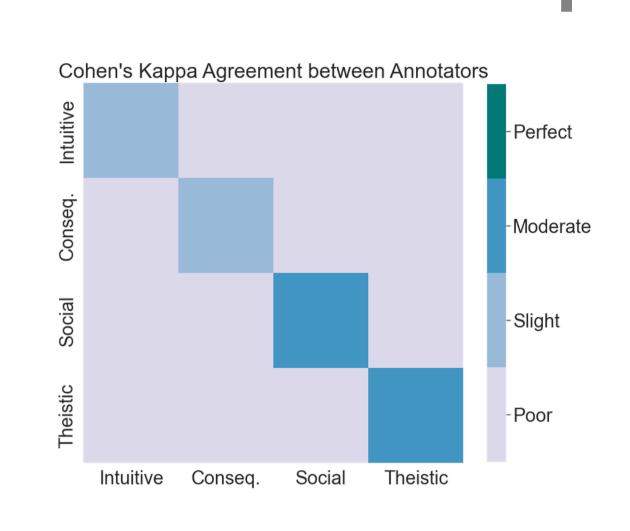
Social: "I follow what my parents taught me"

Theistic: "I listen to what God says"

National Study of Youth and Religion

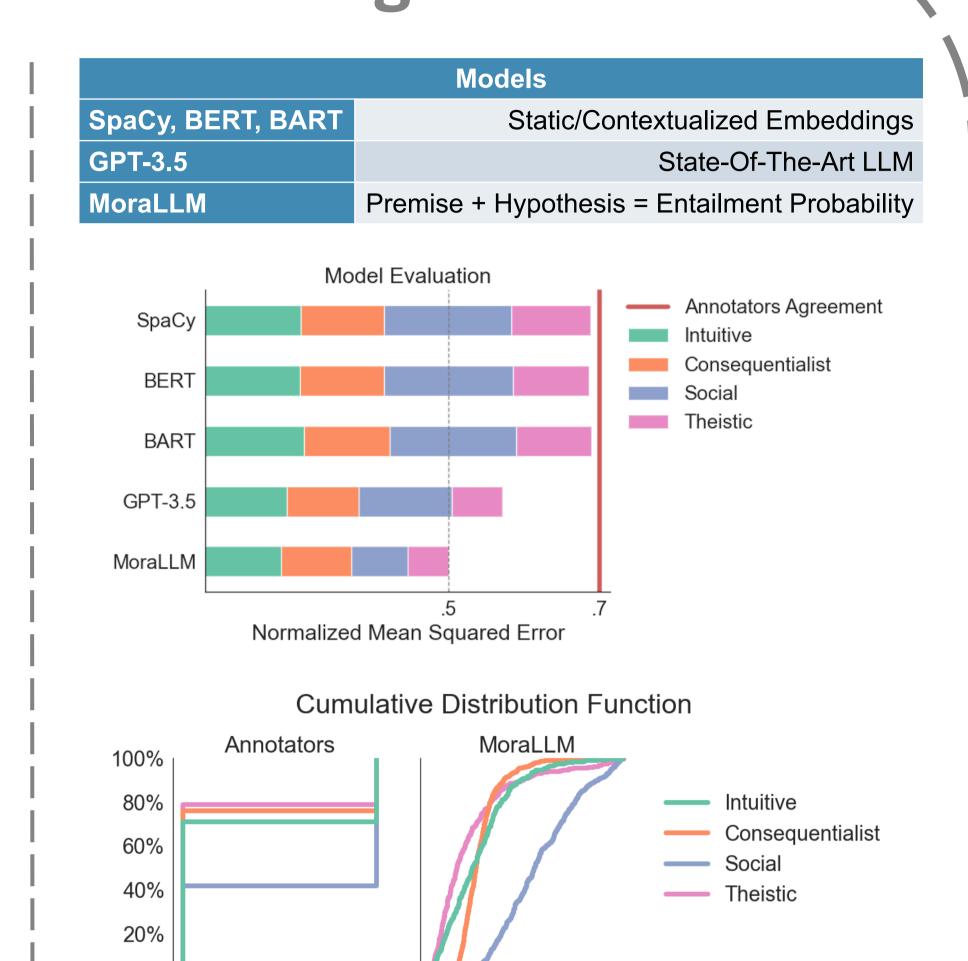
2 Waves of Telephone Surveys & In-Depth Personal Interviews on the religious, moral, and social formation of the American youth

Computational Modeling



Well from what I've been, what I've ah, grown up, what I've learned growing up with in my household and what the Bible says. [...] what would ruin my spiritual walk, it would probably something I shouldn't be messing with. Well [...] if it's something kind of hard I turn to my parents and they usually help me.

	Annotators	MoraLLM	
Intuitive	100%	2%	
Consequentialist	0%	18%	
Social	0%	84%	
Theistic	100%	57%	



1.0

Human annotators often judge in binary, disagree, and make mistakes, whereas MoraLLM judges in continuum, consistently, and uncovers additional heterogeneity

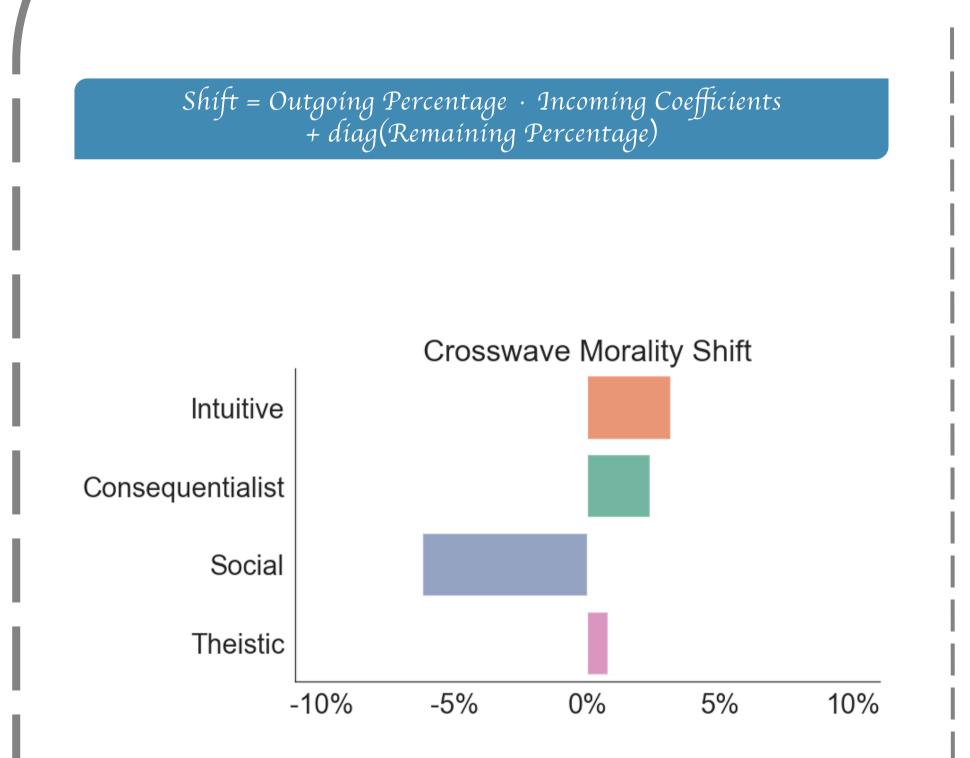
Linguistic Style

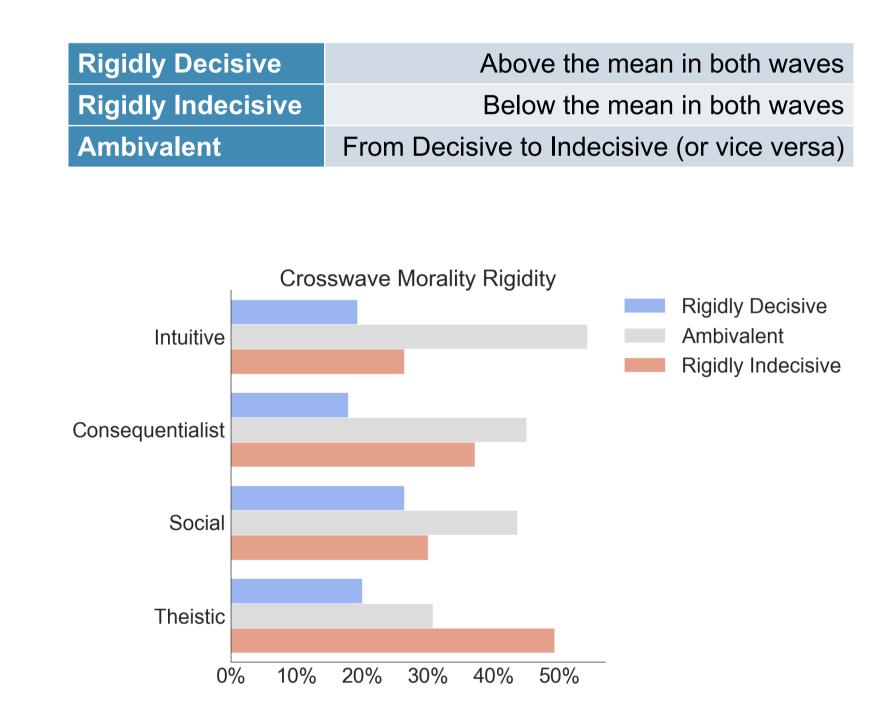
	Intuitive	Conseq.	Social	Theistic
Verbosity (Log of Word Count)	.0545***	0062	073***	.0355***
Uncertainty (Ratio of Vague Words)	.0741	.1554	318	4244
Readability (Vocabulary Complexity)	.0006	.0005	0	0003
Sentiment (Emotional Tone)	0075	0359*	.0368	.0037

Regression with Robust Linear Model (intercepts omitted)

Linguistic style unveils distinctive characteristics of morality sources

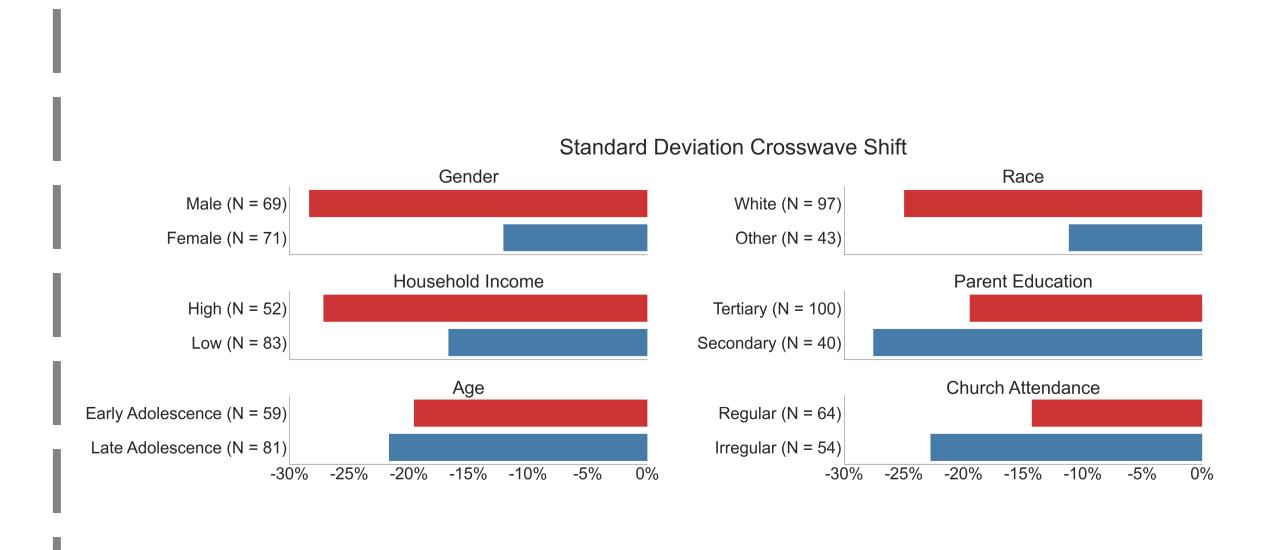
Evolution across Interview Waves

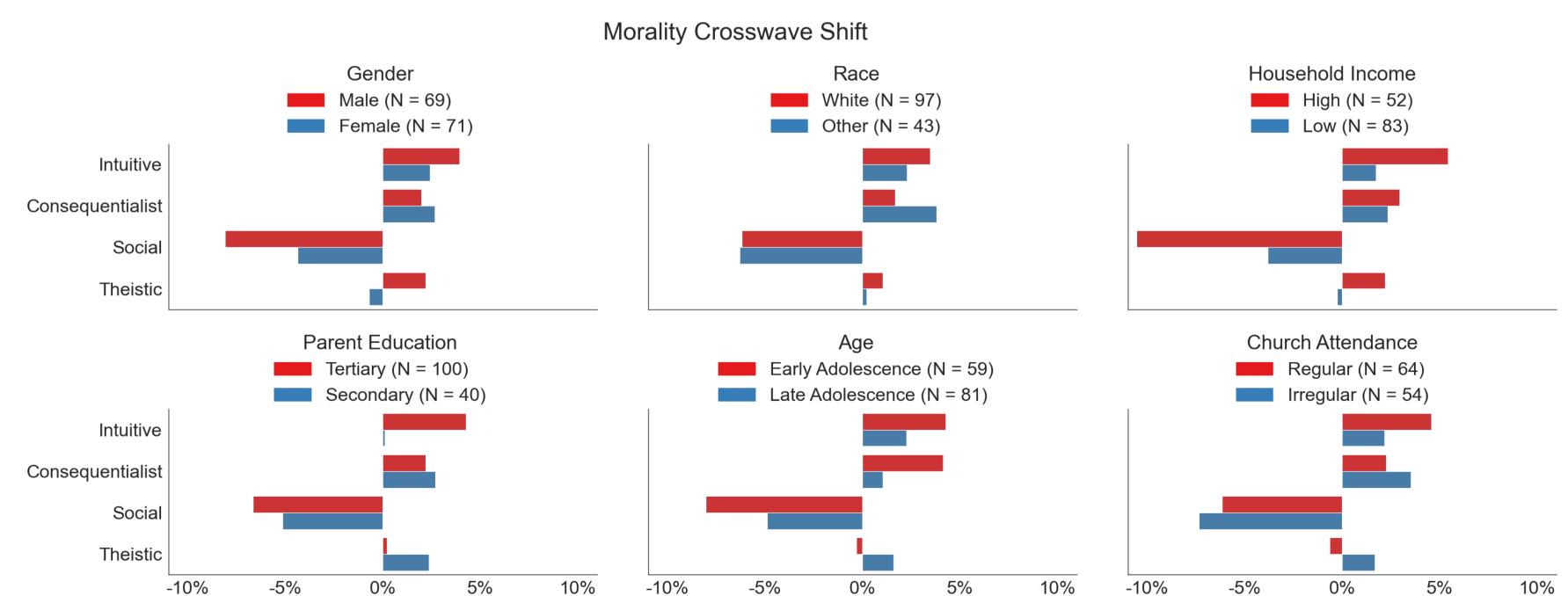




Adolescents showcase distinct patterns of morality shift and morality rigidity across interview waves

Evolution across Interview Waves by Social Categories





Social categories highlight notable profiles of social change: Rich-White-Male adolescents become less deviant, less social, and more intuitive as they age