Same Author or Just Same Topic? Towards Content-Independent Style Representations



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Why?

Style is relevant for both NLU & NLG

Previous work on style representation learning:

- Authorship Verification (AV) as training task f content o style

e.g., [Sari et al., Topic or style? Exploring the most useful features for authorship attribution., 2018]

Contact

Code: github.com/nlpsoc/

Style-Embeddings

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Training Task

don't suggest an open rela-

Aren't open relationships usually just about fixing something in the relationship?

tionship if you're not ready it's clear that these are wildly different situations

Author 1 Label: Content: Conversation 1 Conversation 2

Author 2

Selected Results

1. AV 2. Style 3. vs. Content

	AV (AUC)	STEL (ACC)	-Or-Content (ACC)
RoBERTa base	0.53	.80	.05
Conversation	0.69	.71	.42
Domain	0.68	.71	.32
Random	0.58	.71	.24

Eval Task

of them or something?

Are you one of their fans?

Oh yea and that young dr got bad hair

Same Style Paraphrase

IN SHORT

"general-Towards purpose" style sentations:

- contrastive content-controlled AV task
- testing for contentindependence