GENERATIVE CONTRASTIVE LEARNING FOR STRUCTURAL FRAMING ANALYSIS

BY

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THESIS

Submitted in partial fulfillment of the requirements
for the degree of Bachelor of Science in Electrical and Computer Engineering
in the Undergraduate College of the
University of Illinois Urbana-Champaign, 2022

Urbana, Illinois

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Abstract

Framing is the act "to select some aspects of a perceived reality and make them more salient in a communicating text" [1]. Framing has been widely used in journalism to influence public opinion. However, analysis of news framing has majorly relied on human expert efforts. Efforts have been put into developing automatic framing analysis via computational linguistic approaches. In this paper, we propose a novel large-scale, multi-agency news dataset with crowd-sourced political stances and factuality labels to facilitate framing analysis. We propose two ways of conducting framing analyses on this dataset, the first is via learning a "switch" in the embedding space to change the generation trend, and the second utilizes a Generative Adversarial Network under a contrastive learning framework. We further create an interactive demo website to directly display results. Our code and dataset will be released to facilitate future research.

To my parents, for their love and support.

Acknowledgments

This endeavor would not have been possible without my research advisor Prof. Heng Ji for her priceless feedback and inspiration. She has been the perfect advisor providing more support and guidance than I can ever ask for.

I also could not have undertaken this journey without my mentors Manling Li and Chi Han, who generously helped me with their extraordinary knowledge and experience. Cooperating with them has been one of the most rewarding experiences of mine.

I am also grateful to my family and friends, for their belief in me has helped me stay motivated throughout this process. I would also like to thank my Syrian Hamster, Jeremy, for all the entertainment and emotional support.

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Introduction

Framing has been ubiquitous in the modern media.

Chapter 2

Related Work

Talk about some of the related tasks here.

2.1 Framing

The computational approaches of framing, Diyi's work, some

2.2 Contrastive Learning

2.3 Switch (Steerability)

Chapter 3

Methodology

This is the Methodology part of the paper.

Chapter 4

Experiments

This is the experiment part of the paper.

Chapter 5

Analysis

This is the analysis part.

Chapter 6

Interactive Demo Application

This is the place for the app.

Chapter 7

Conclusion

I think our paper is good.

References

[1] R. M. Entman, "Framing: Toward clarification of a fractured paradigm," *Journal of Communication*, vol. 43, no. 4, pp. 51–58, 1993. [Online]. Available: https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1460-2466.1993.tb01304.x