



May The Texts Be Ever In Your Favor

A Hunger Games Book & Movie
Review Analysis

District Blue 9

Danny Ta

Eason Warren

Amelia Davenport

Yi-Chun Lai

Tae Lee

The Hunger Games first
book and first movie
reviews shared **97%**
similarity in sentiment.

Agenda



Topic Modeling



Sentiment Analysis

Topic Modeling



LDA Topic Modeling



Preprocessing



Modeling



Comparison

Remove
non-English
reviews

Stop words

Tokenization

Preprocessing

Character
removal

N-grams

Lemmatization

LDA Modeling

Dictionary
& Corpus



Topics &
Associated
Keywords

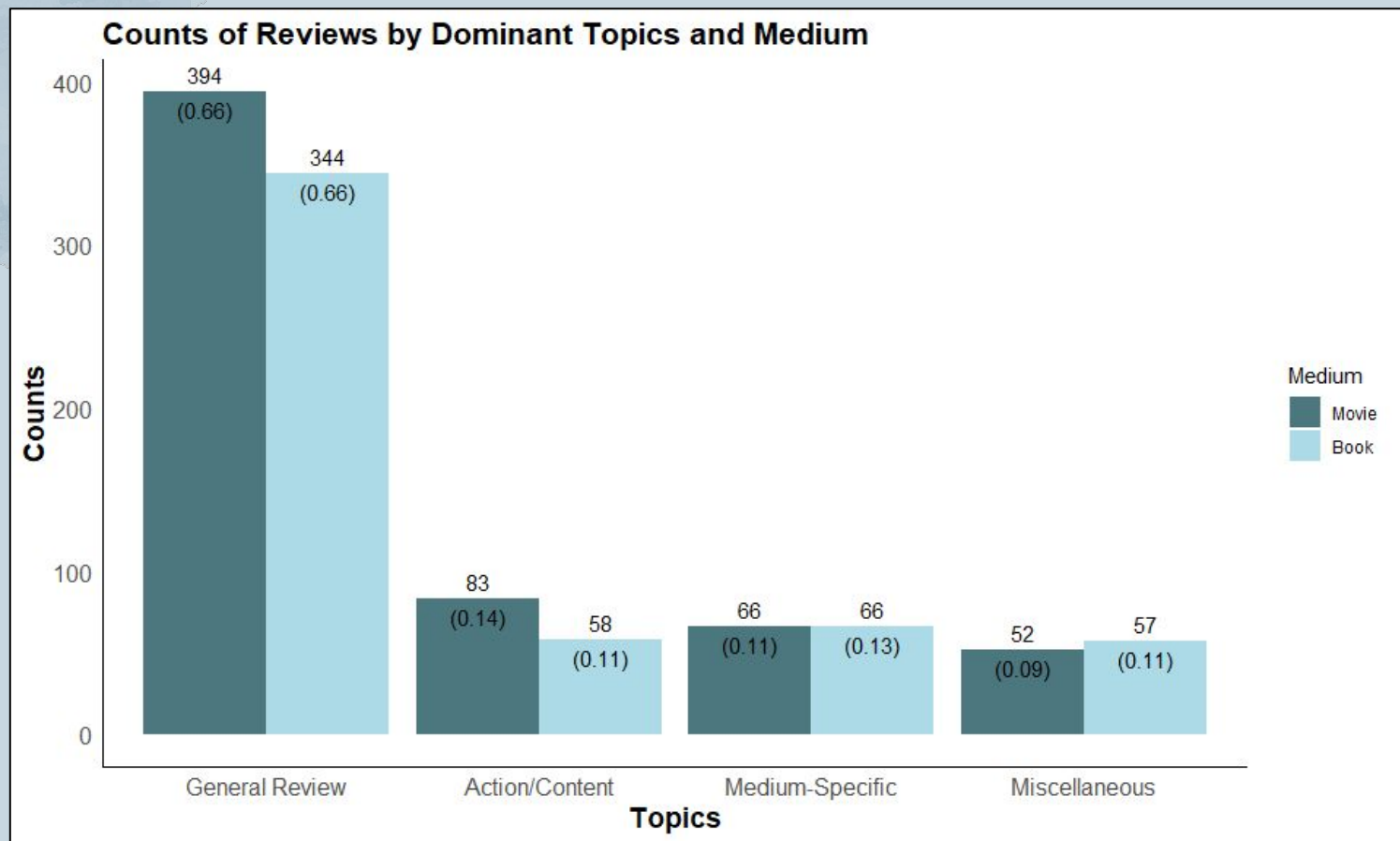
Dominant
Topics &
Contribution

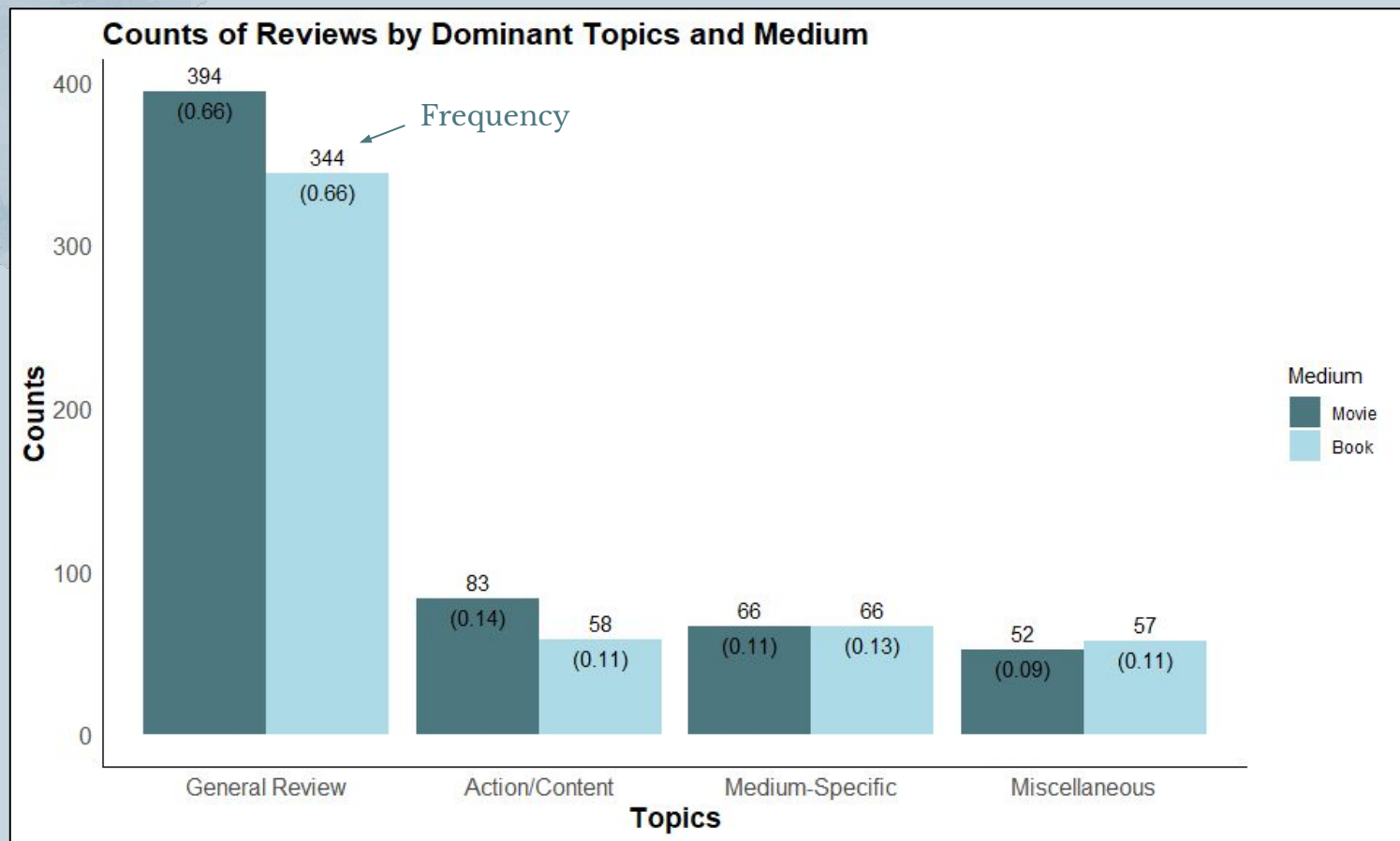


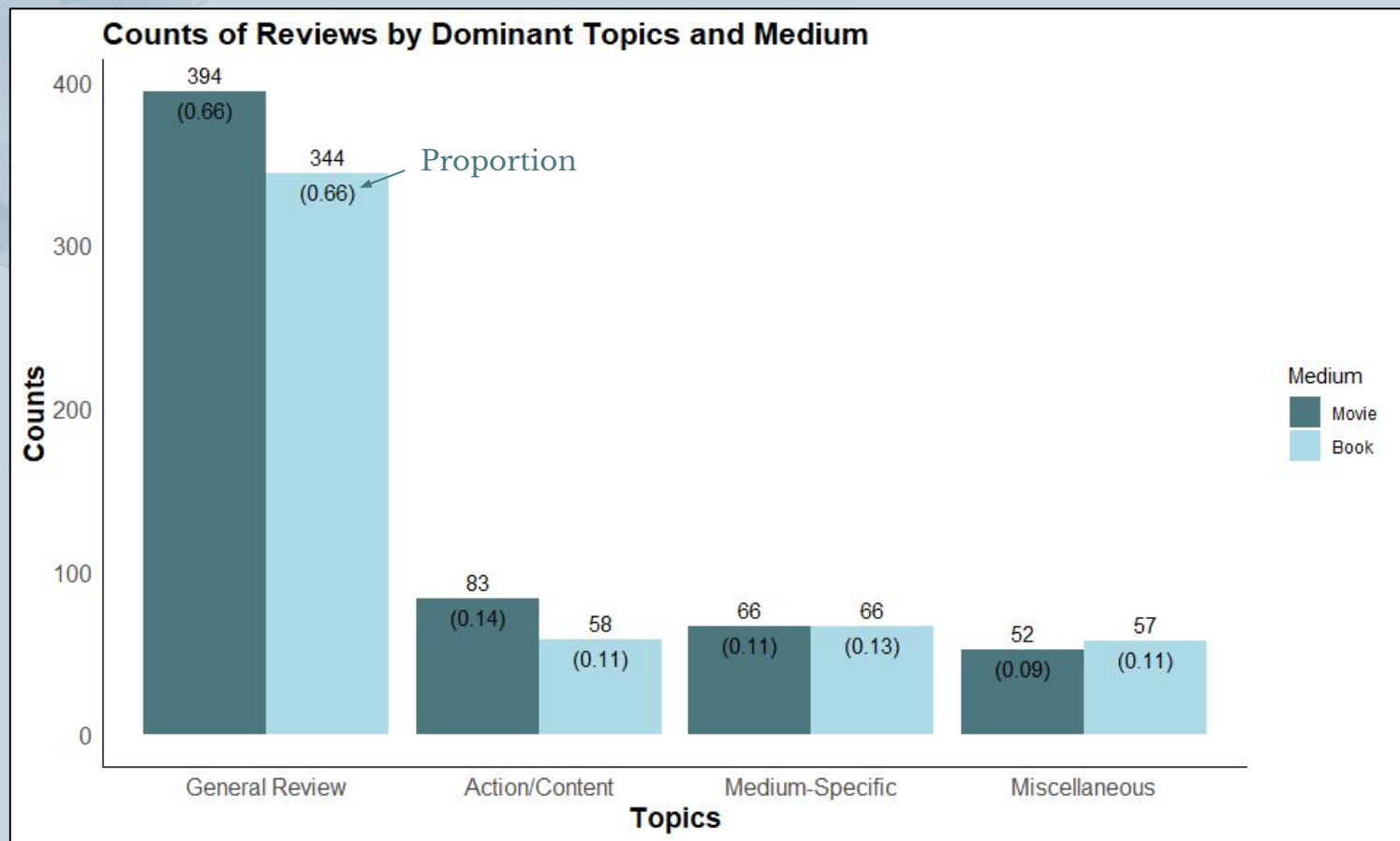












Sentiment Analysis



Overall Sentiment

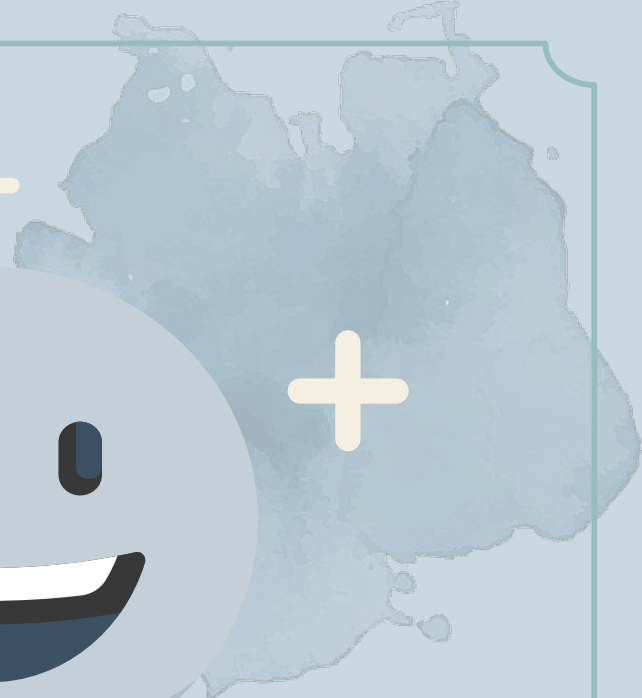


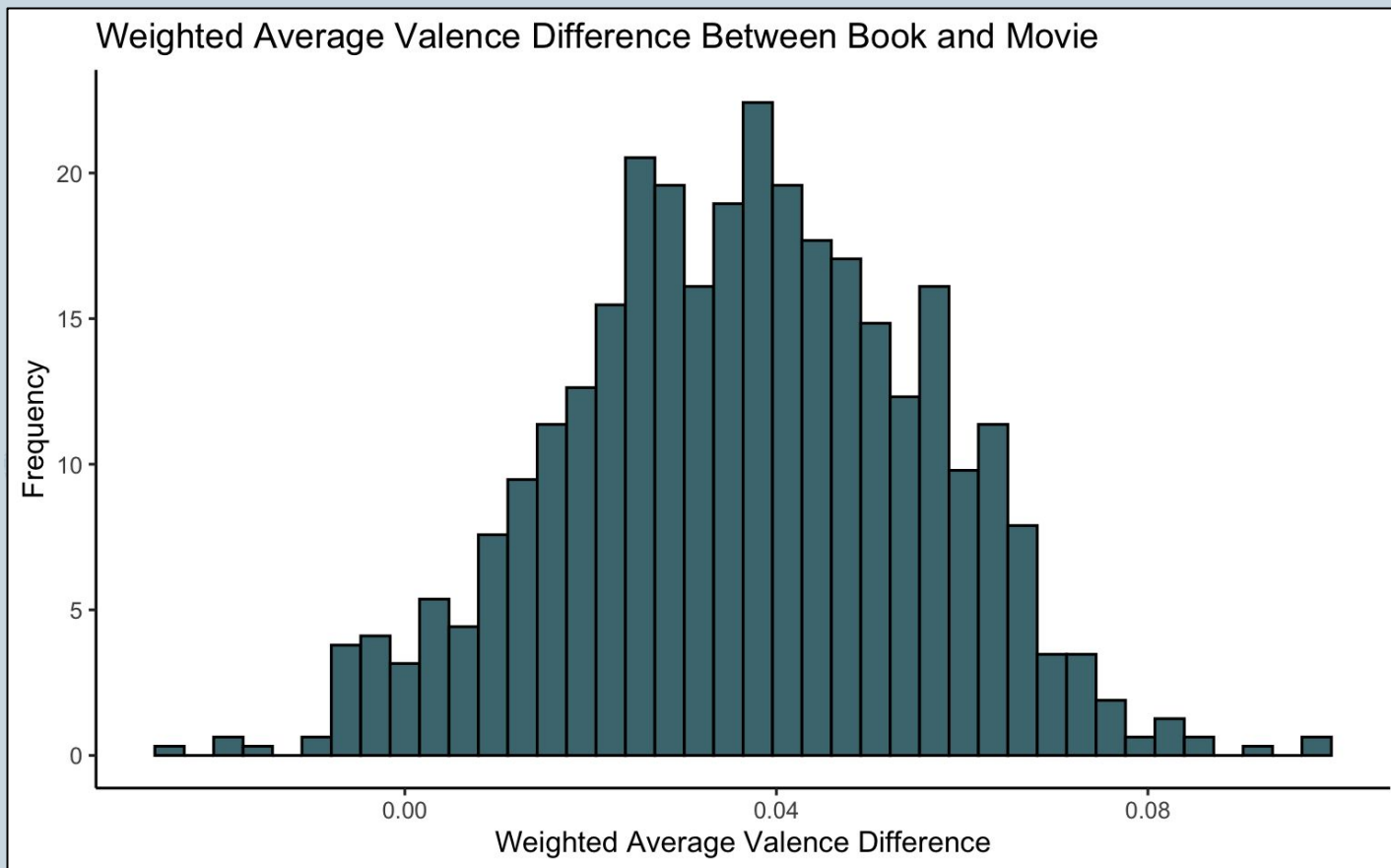
Valence

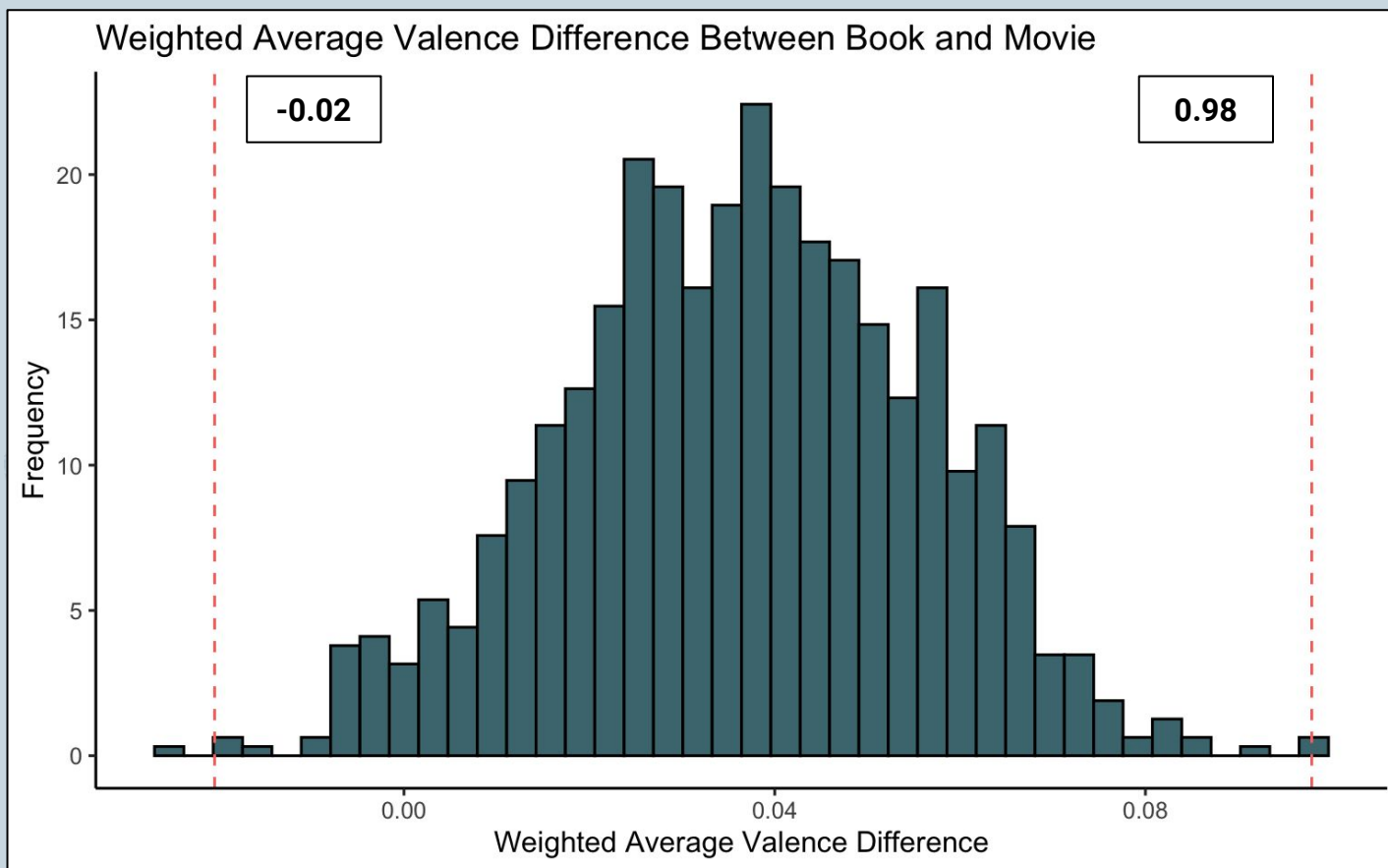


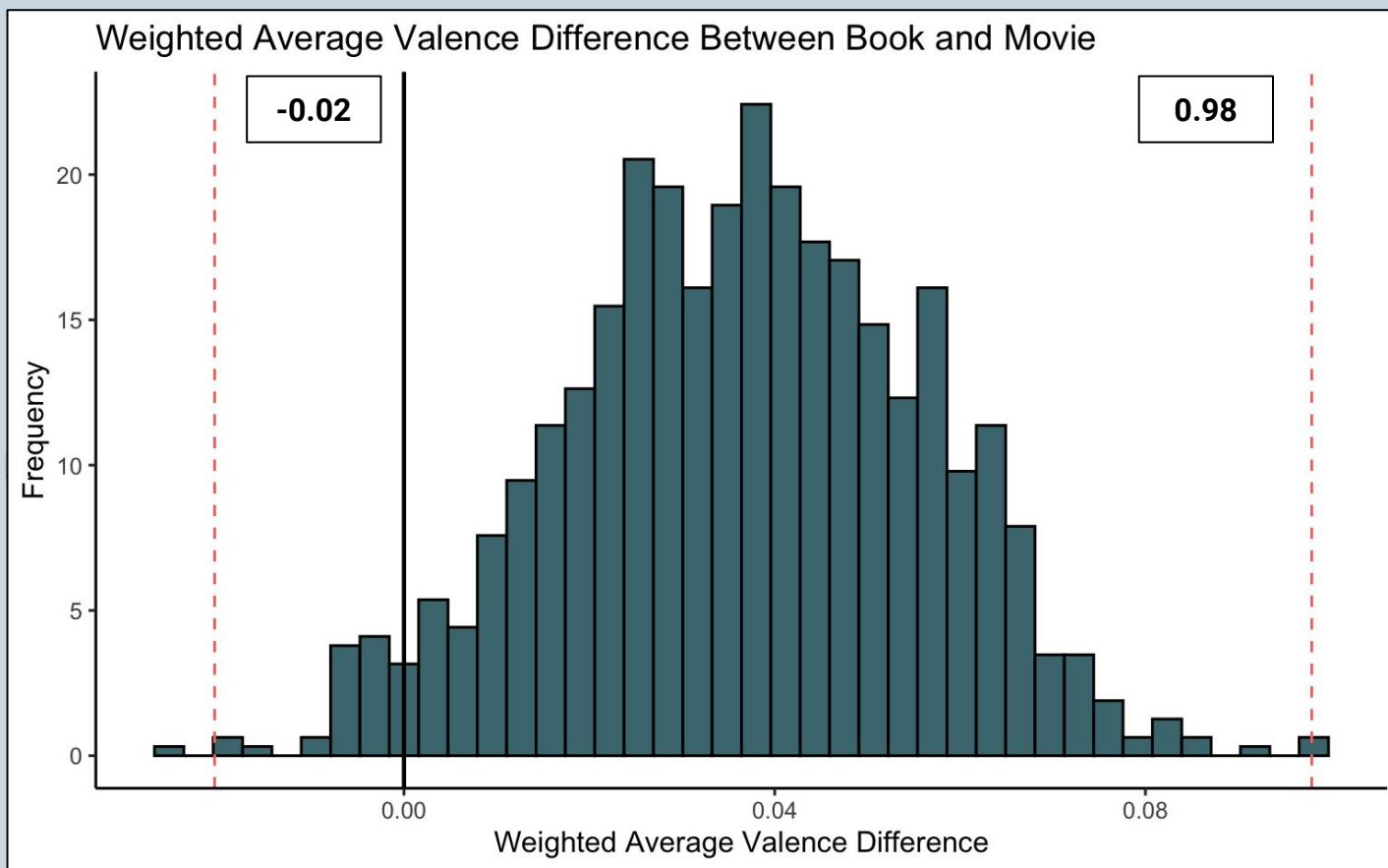
Arousal

Valence



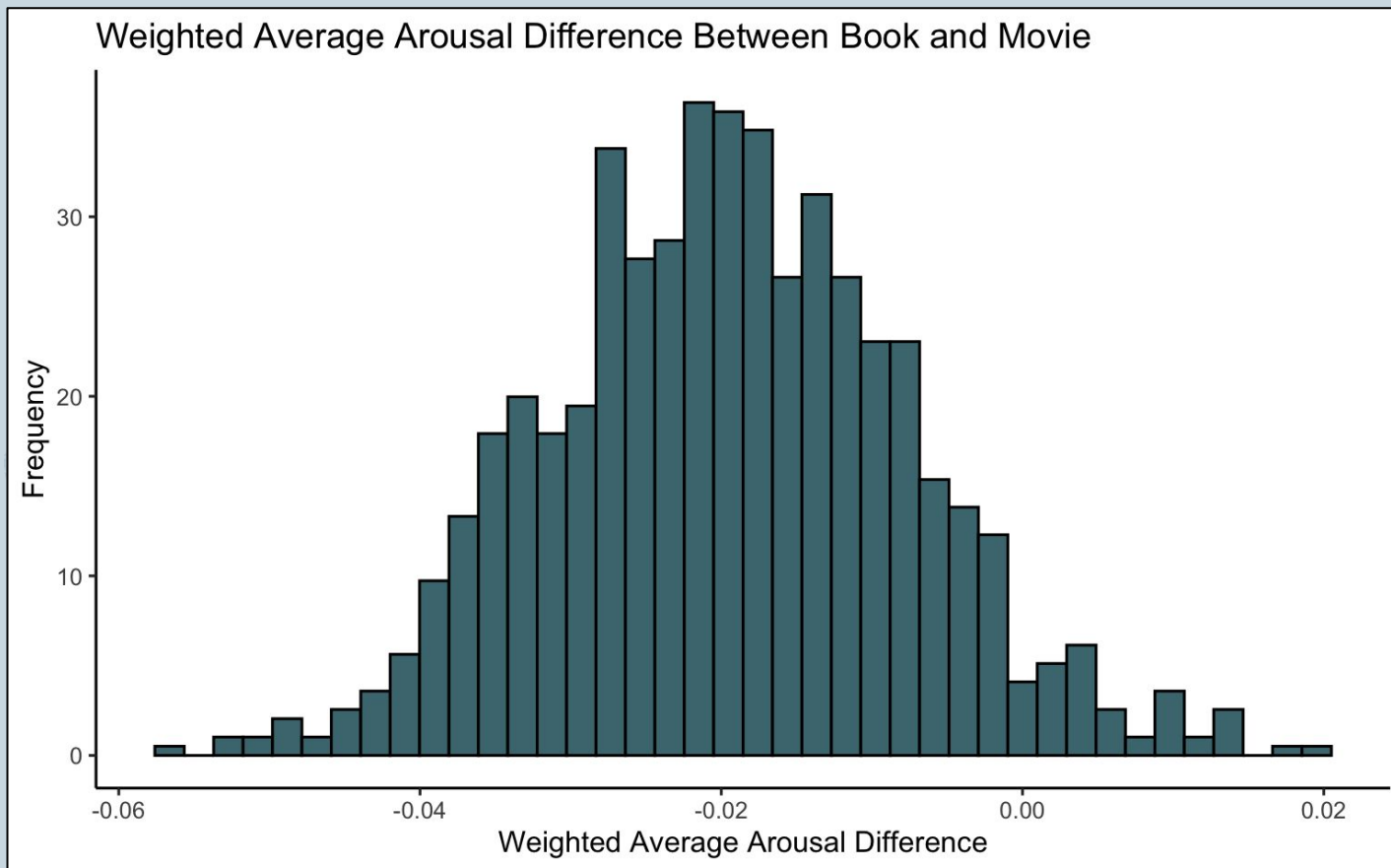


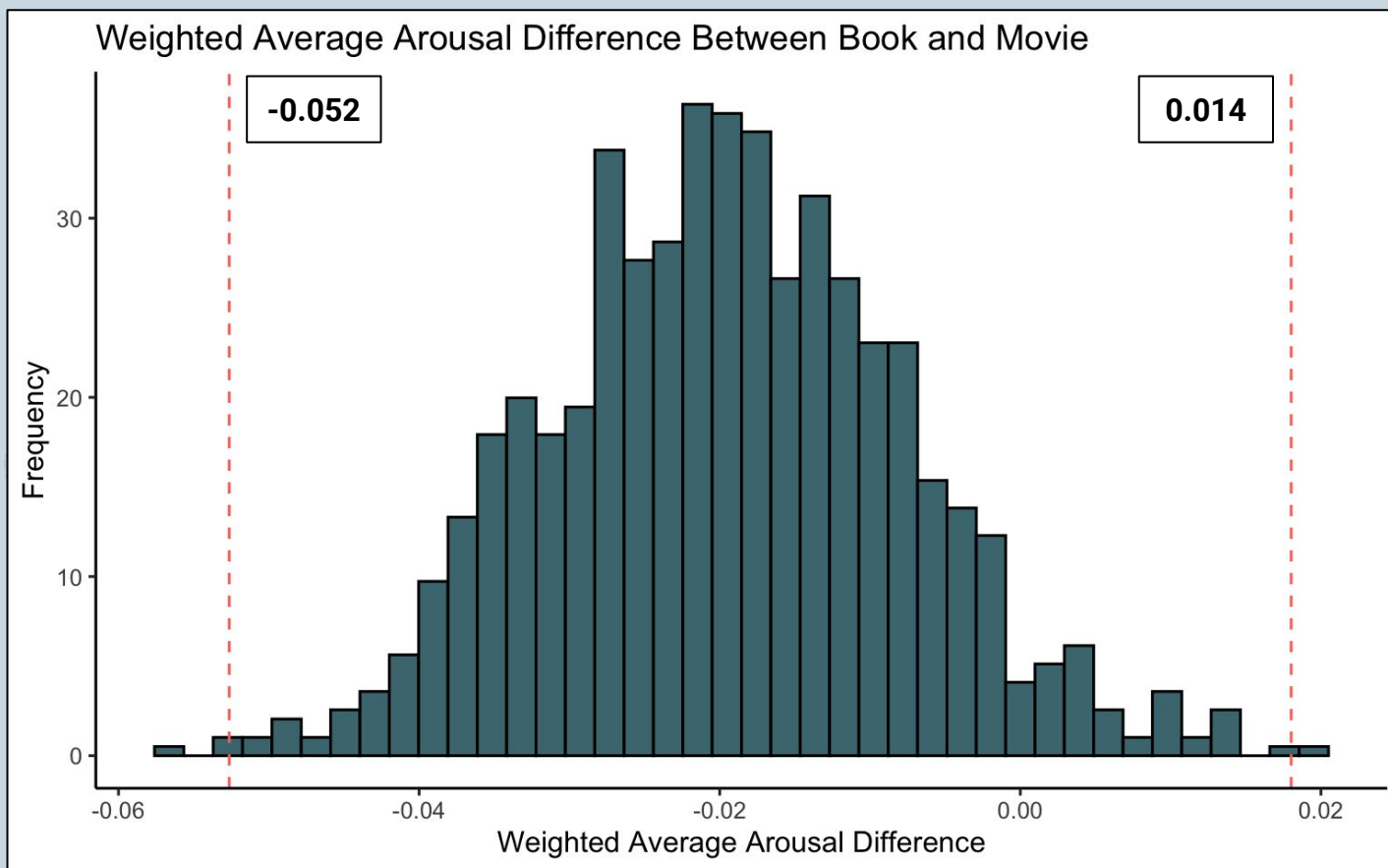


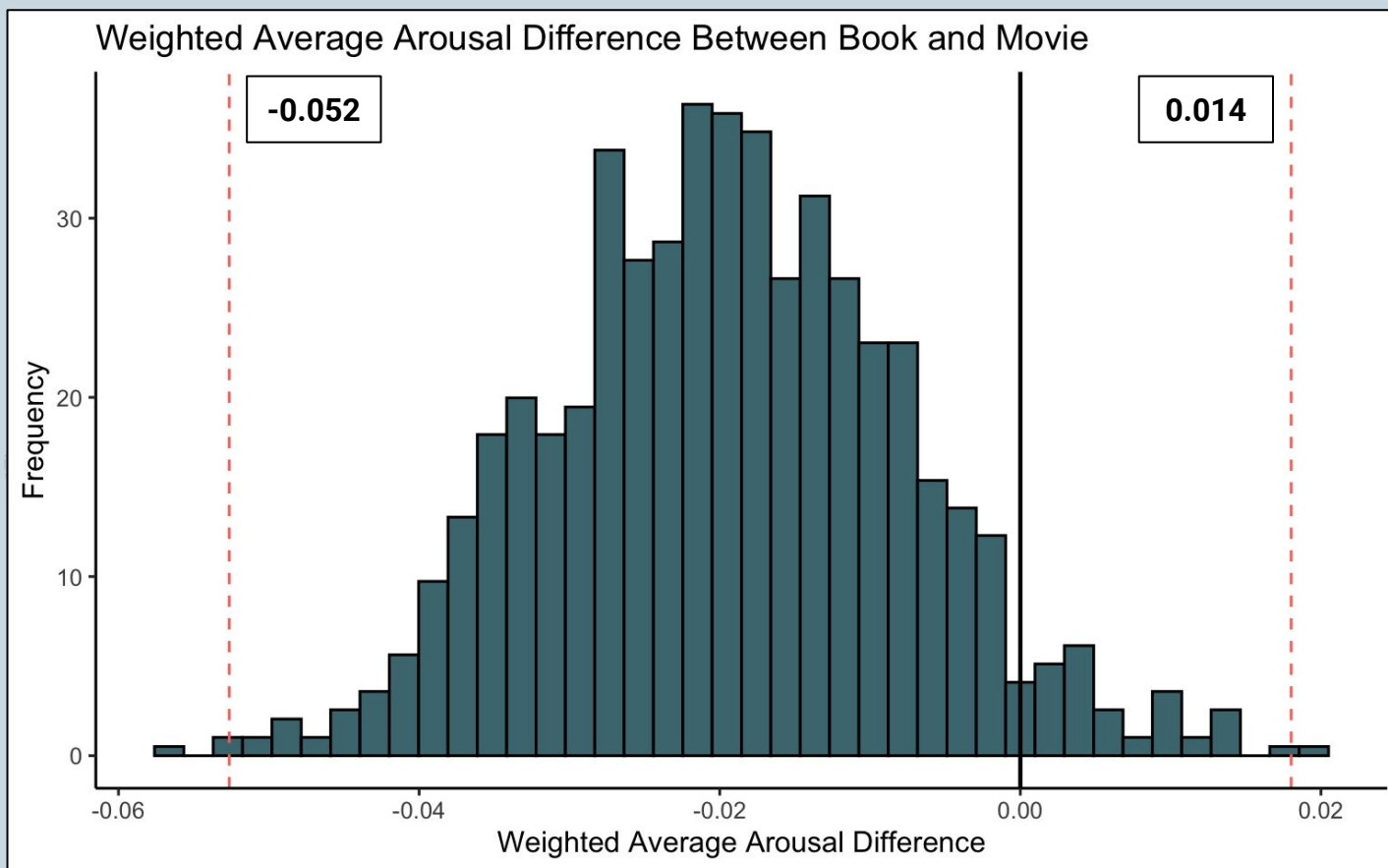


Arousal









Cosine Similarity

97.17%
Arousal

96.96%
Valence

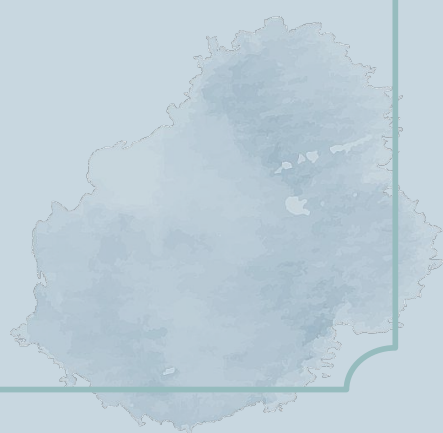
Q&A





Thanks

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Appendix

Book

Topic	Keywords
Miscellaneous	enjoy, time, star, give, look, like, movie, bit, pretty, adult
Action/Content	district, girl, katniss, people, death, tribute, live, kill, capitol, katnis
General Review	time, feel, much, first, really, character, peeta, movie, thing, katniss
Medium Specific	story, novel, character, collin, well, world, write, author, entertainment, first

Appendix

Movie

Topic	Keywords
General Review	movie, book, film, read, character, story, watch, hunger, game, really
Miscellaneous	well, much, first, series, battle_royale, look, author, adaptation, never, however
Action/Content	game, hunger, district, death, girl, fight, young, boy, world, class
Medium Specific	bad, child, tell, kill, back, film, sound, rating, show, kid

Appendix

Movie

Description	Frequency
Slightly Serene	128
Moderately Contented	125
Moderately Serene	121

Book

Description	Frequency
Moderately Serene	160
Moderately Contented	160
Slightly Serene	82