

# Harry Potter



and the  
Sentiment Scores

# Sentiment Scores

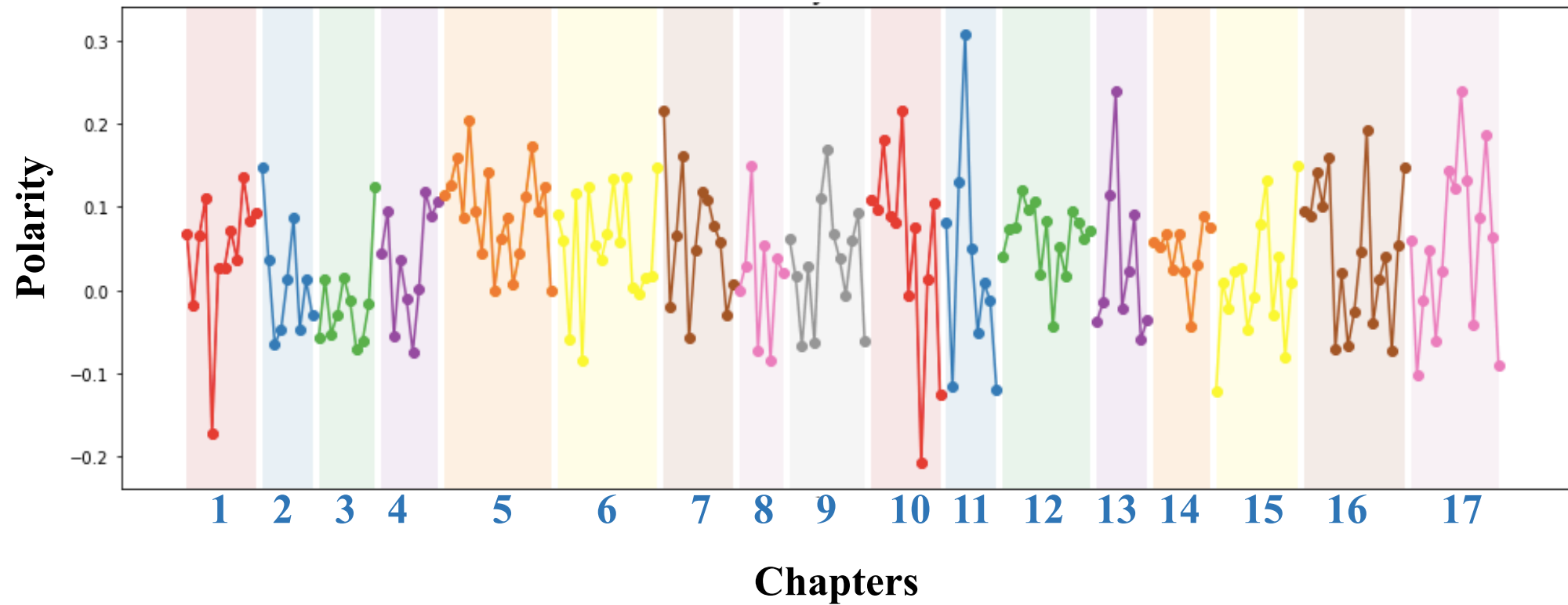
Contextual sentiments of texts

**Polarity:** Positive vs. negative

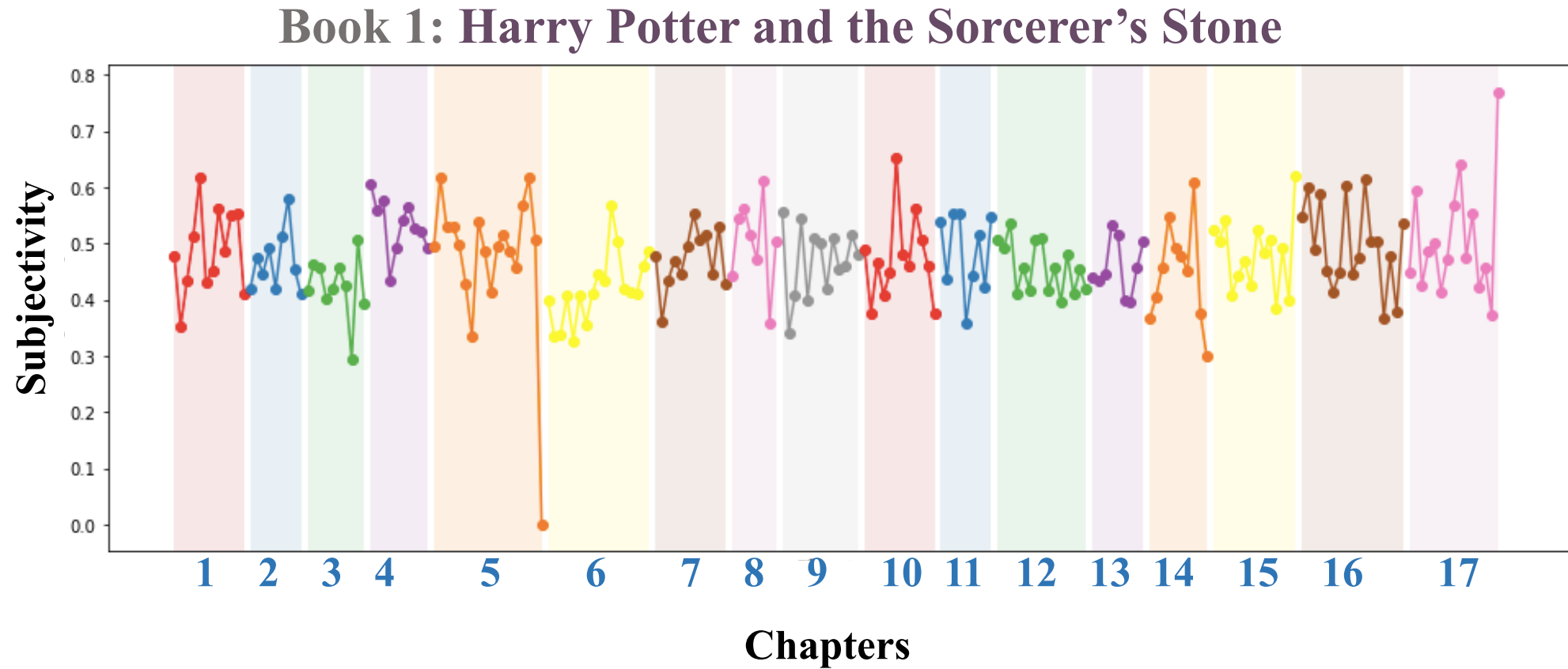
**Subjectivity:** Strength of the positive or negative-ness

# Sentiment Analysis

## Book 1: Harry Potter and the Sorcerer's Stone

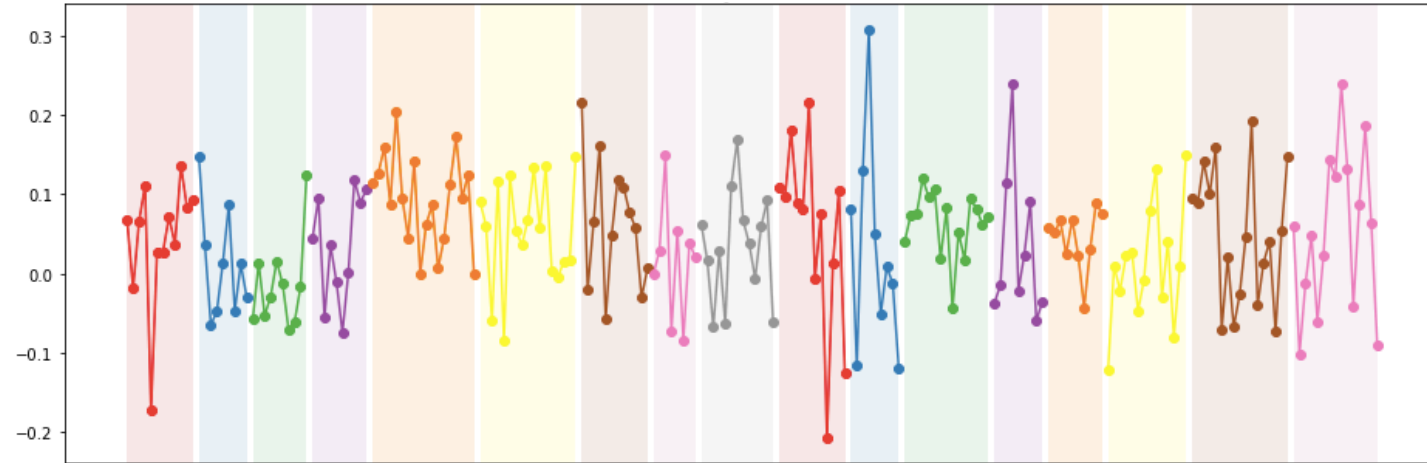


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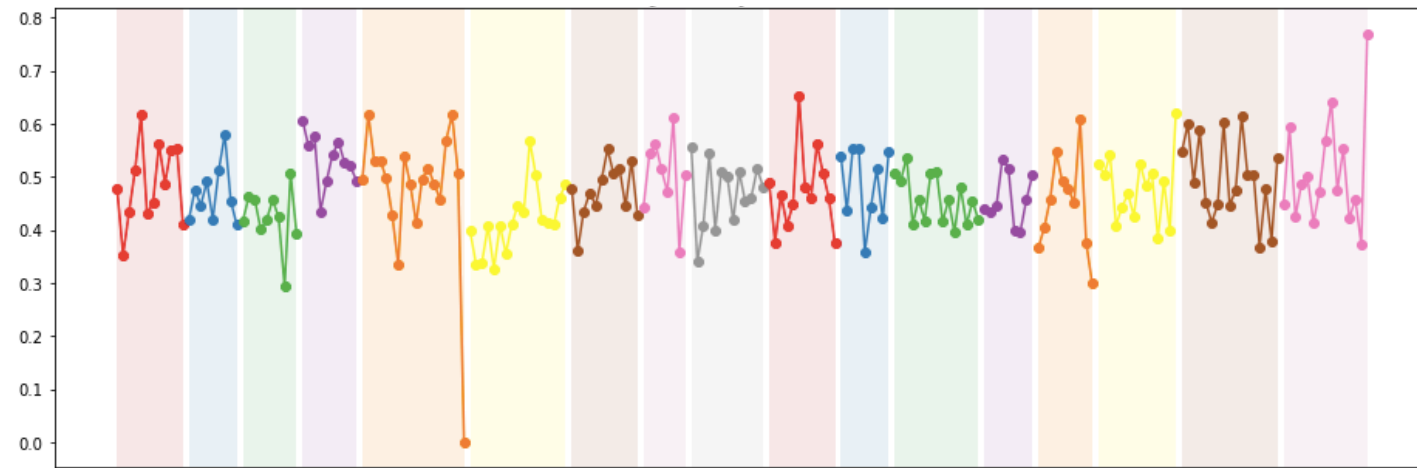


# Sentiment Analysis

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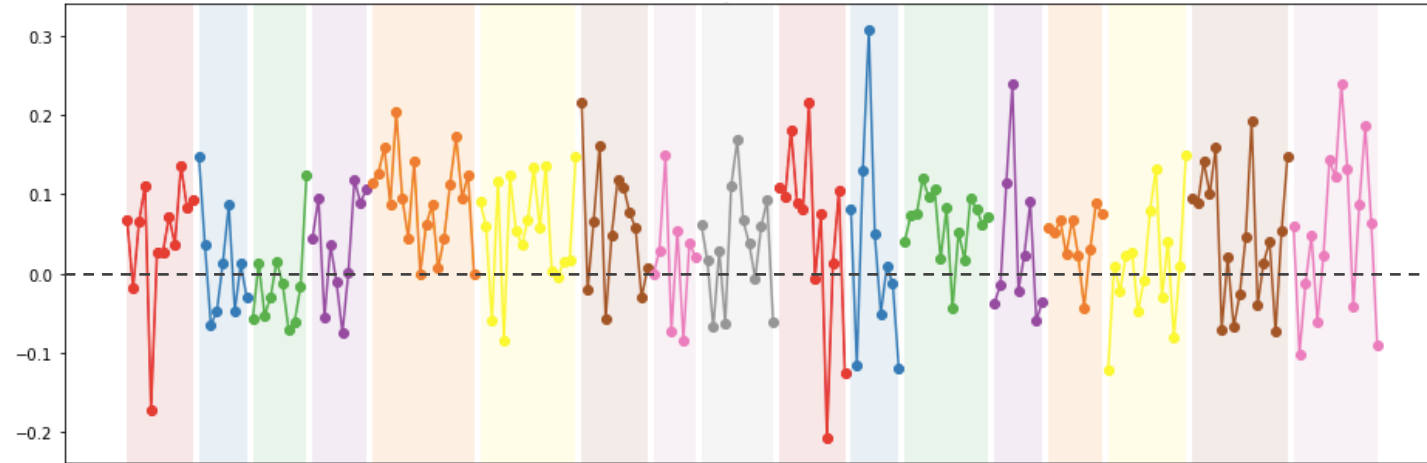
**Subjectivity**



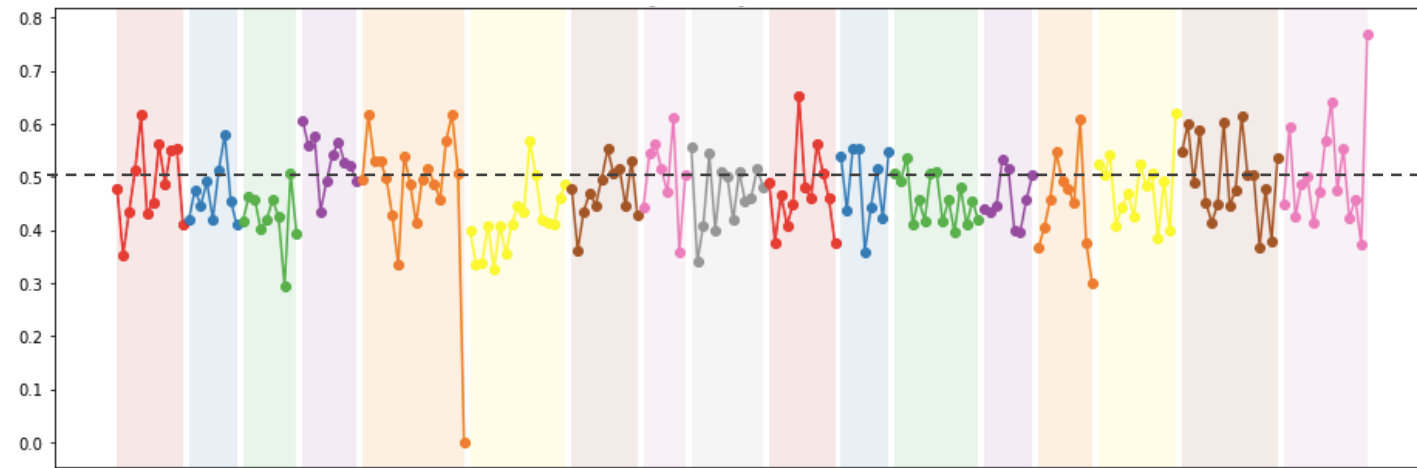
**Chapters**

# Sentiment Analysis

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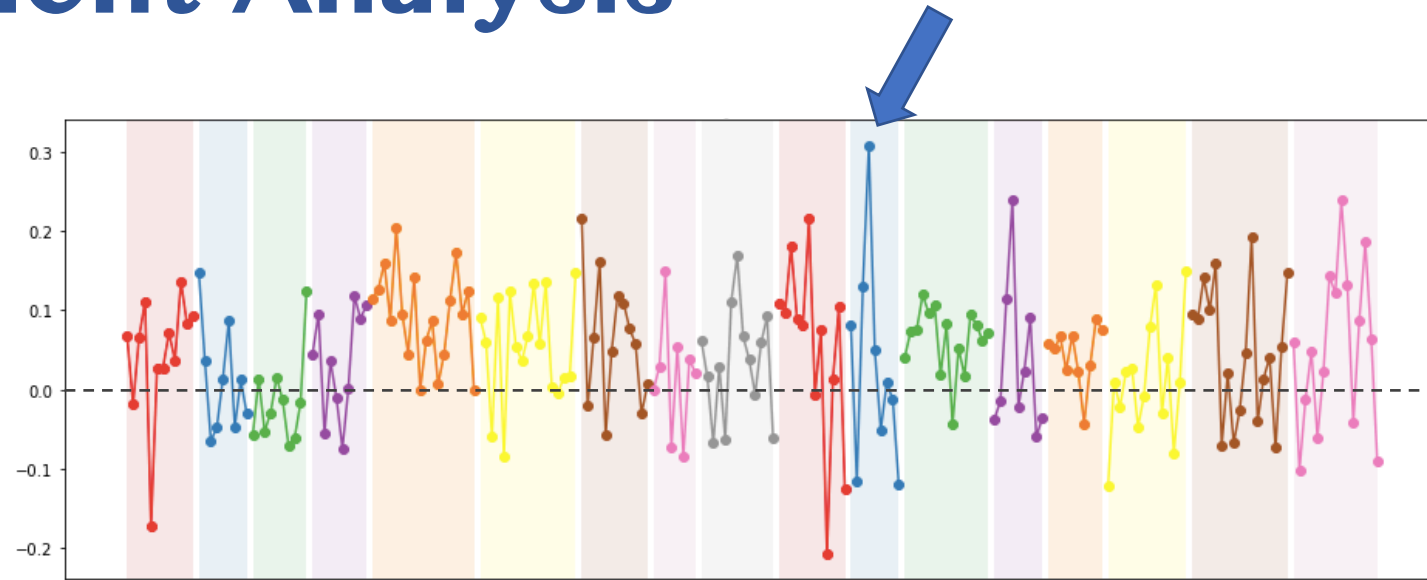
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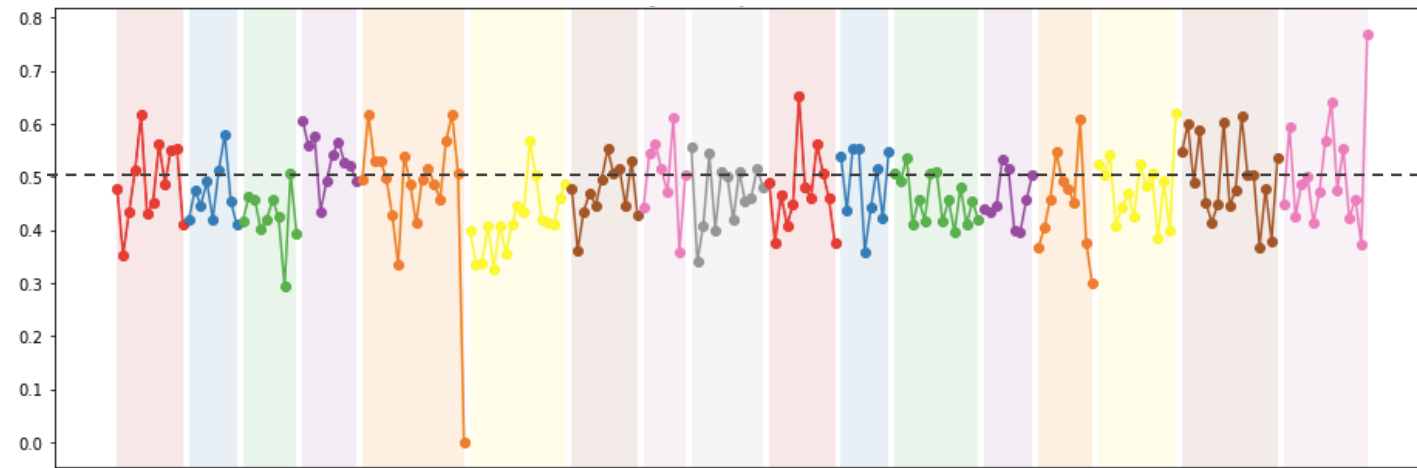
**Chapters**

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Subjectivity



Chapters

## Book 1 : Quidditch game commentary by Lee Jordan

Harry clambered onto his Nimbus Two Thousand. Madam Hooch gave a loud blast on her silver whistle. Fifteen brooms rose up, high, high into the air. They were off. And the Quaffle is taken immediately by Angelina Johnson of Gryffindor – what an excellent Chaser that girl is, and rather attractive, too --

JORDAN! "Sorry, Professor." The Weasley twins' friend, Lee Jordan, was doing the commentary for the match, closely watched by Professor McGonagall.

"And she's really belting along up there, a neat pass to Alicia Spinnet, a good find of Oliver Wood's, last year only a reserve -- back to Johnson and -- no, the Slytherins have taken the Quaffle, Slytherin Captain Marcus Flint gains the Quaffle and off he goes -- Flint flying like an eagle up there -- he's going to sc- no, stopped by an excellent move by Gryffindor Keeper Wood and the Gryffindors take the Quaffle -that's Chaser Katie Bell of Gryffindor there, nice dive around Flint ...



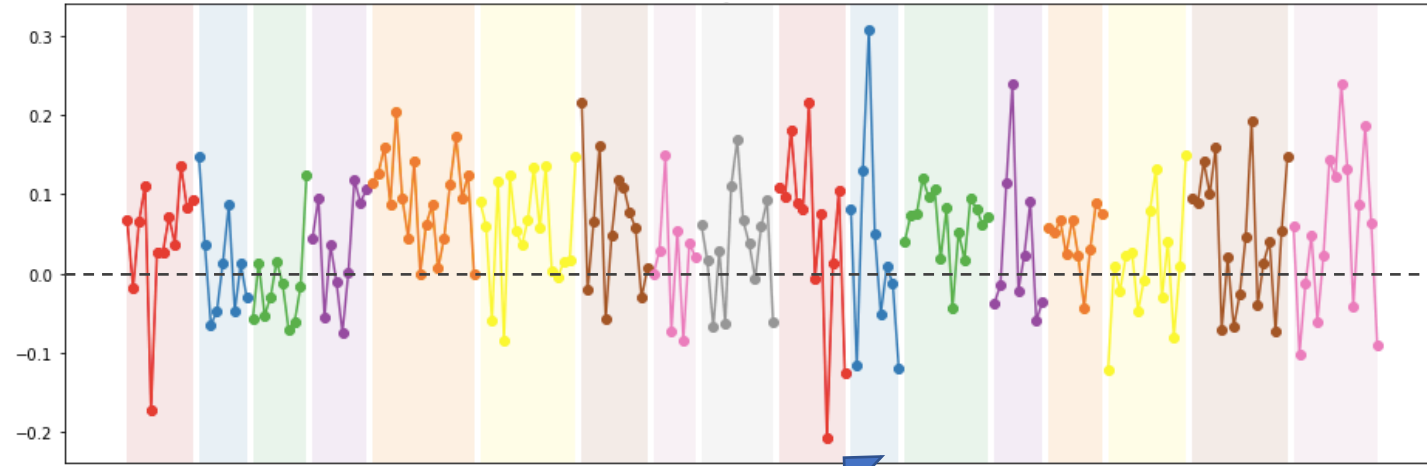
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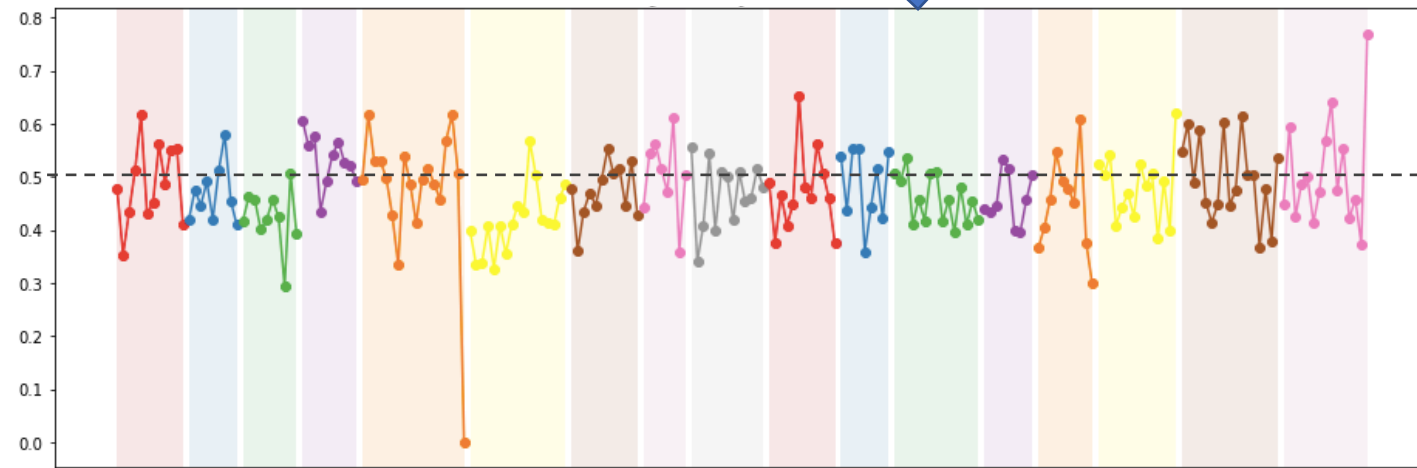
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**Chapters**

## Book 1 : Troll in Bathroom

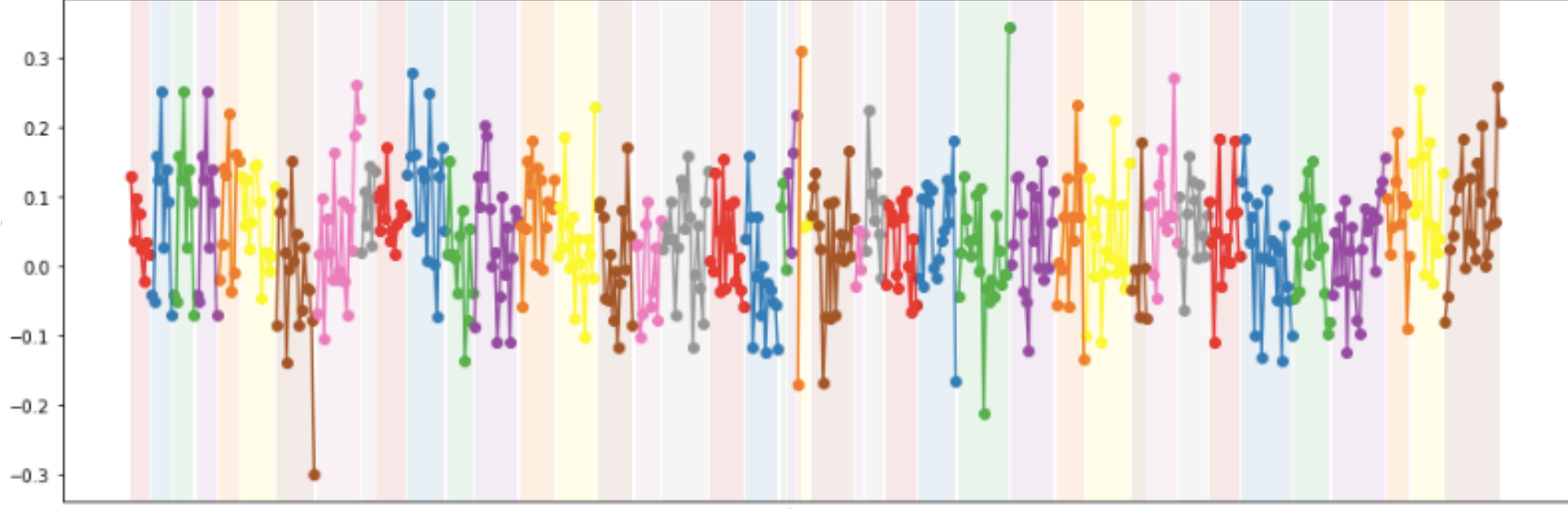
"Oy, pea-brain!" yelled Ron from the other side of the chamber, and he threw a metal pipe at it. The troll didn't even seem to notice the pipe hitting its shoulder, but it heard the yell and paused again, turning its ugly snout toward Ron instead, giving Harry time to run around it. "Come on, run, run!" Harry yelled at Hermione, trying to pull her toward the door, but she couldn't move, she was still flat against the wall, her mouth open with terror. The shouting and the echoes seemed to be driving the troll berserk. It roared again and started toward Ron, who was nearest and had no way to escape. Harry then did something that was both very brave and very stupid: He took a great running jump and managed to fasten his arms around the troll's neck from behind. The troll couldn't feel Harry hanging there, but even a troll will notice if you stick a long bit of wood up its nose, and Harry's wand had still been in his hand when he'd jumped – it had gone straight up one of the troll's nostrils. Howling with pain, the troll twisted and flailed its club, with Harry clinging on for dear life;

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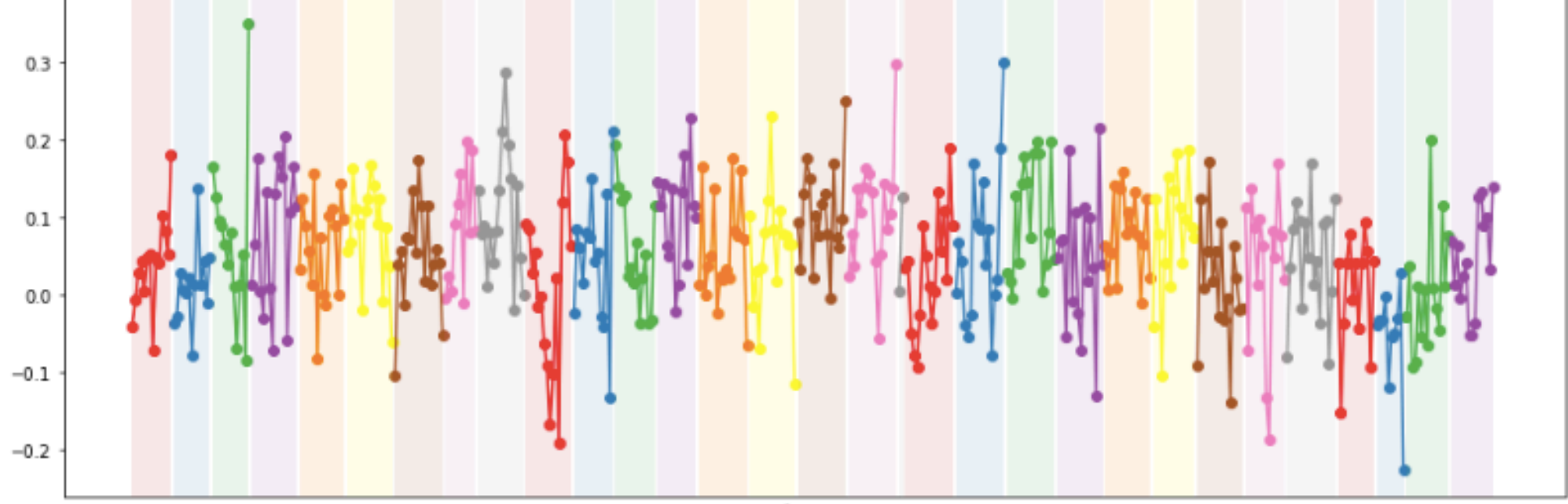
## Book 7

Polarity



## Book 6

Polarity



# Storyline

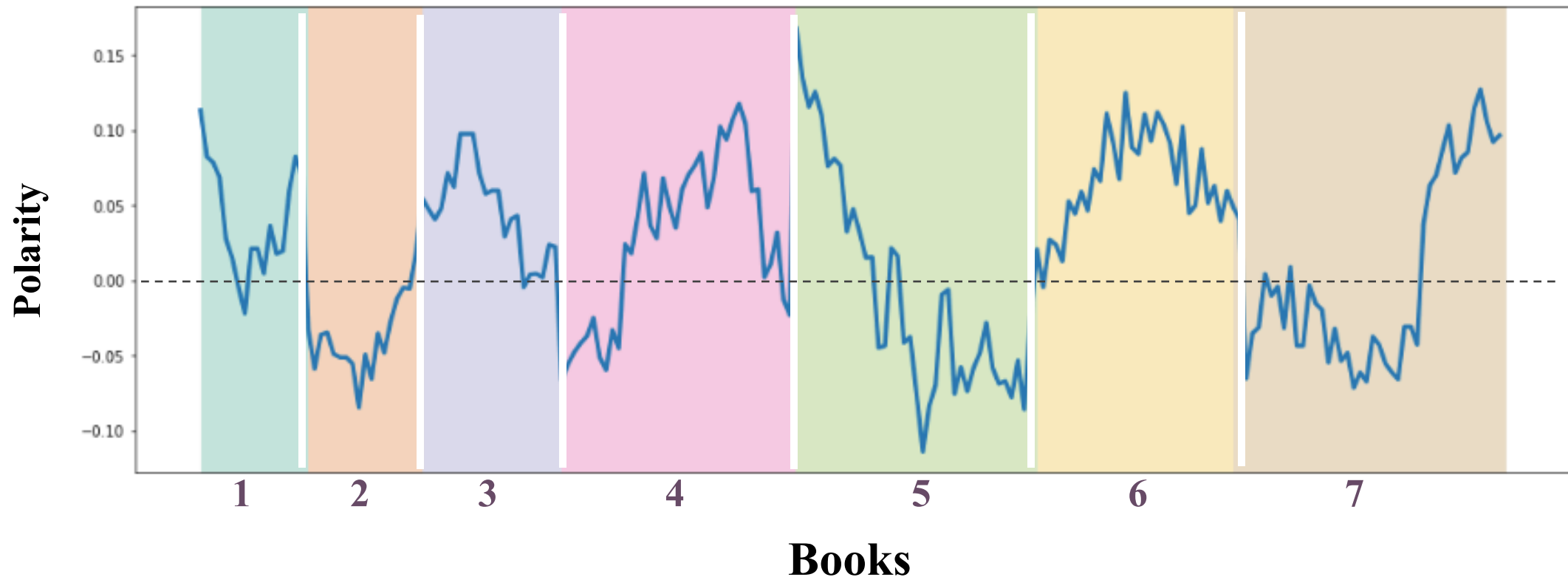
**How do sentiments vary around a theme/plot?**

Harry and Dumbledore

Harry and Snape

Quidditch, etc.

# Storyline: Harry and Dumbledore



# Topic Modeling and Clustering

- Extract topics from all text segments
- Cluster text segments according to the topics



# Example Topics

## Quidditch

team gryffindor  
wood quidditch  
snitch angelina katie  
match broom  
slytherin field fred  
quaffle nimbus  
bludger malfoy  
potter firebolt pitch

## Spells

leviosa wingardium  
swish flicked  
baking feather  
swished basics  
skyward zoom  
flick ron flitwick  
granger hermione

## Elf

elf master  
regulus locket  
mistress elves  
dobby hallows  
house ownership  
kreacher mudblood  
destroy despise  
cupboard

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