Positivity in Competitive Situations

An Analysis of Characters and their Relationships in J.K. Rowling's Harry Potter and the Goblet of Fire

Content

- Story & Concept
- Hypothesis
- Methodology & Approach
- Analysis and Insights
  - Sentiment Analysis
  - Social Network Map
  - Word Cloud
- Conclusion

Story & Concept

- Fourth book in the Harry Potter Series
- Fourth year for Harry, Ron, Hermione
- Goblet of Fire
- Triwizard Tournament
- New characters

Key Characters

The Weasleys - Fred, George, Arthur, Percy, Molly, Ron, Ginny

Harry, Ron & Hermione

Rubeus Hagrid

Barty Crouch
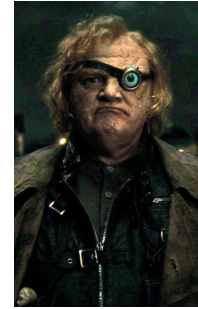

Alastor Moody

Voldemort

Bartemius Crouch, Dumbledore

Cedric Diggory

Viktor Krum

Fleur Delacour

Severus Snape

Hypothesis

Who is the most trusted character in Harry Potter & the Goblet of Fire?

Methodology & Approach

Data Set

SPEAKER	LISTENER	CONVERSATION
OLD MAN		Bloody kids.
WORMTAIL	VOLDEMORT	Oh no no no my Lord Voldemort. I only meant... perhaps if we were to do it without the boy..
VOLDEMORT	WORMTAIL	NO! The boy is everything, it cannot be done without him and it WILL be done exactly as I say.
UNKNOWN MAN	VOLDEMORT	I will not disappoint you my lord.
VOLDEMORT	UNKOWN MAN	Good. First, gather our old comrades. Send them a sign.
VOLDEMORT		Nagini tells me the old caretaker is standing outside the door.
VOLDEMORT	WORMTAIL	Step aside so I can give our guest a proper greeting.
HERMIONE	HARRY	Harry!
HERMIONE	HARRY	Are you alright?
HARRY	HERMIONE	Hermione. Bad dream. When did you get here?
HERMIONE	HARRY	Just now. You?
HARRY	HARMIONE	Last night.
HERMIONE	RON	Wake up. Wake up Ronald!
RON		Bloody hell.
HERMIONE		Honestly. Get dressed, and don't go back to sleep. Come on Ron! Your mother says breakfast's ready.
HARRY	RON	Where are we actually going?
RON	ARTHUR	Don't know. Hey Dad! Where are we going?
ARTHUR	RON	Haven't the foggiest, keep up!
AMOS	ARTHUR	Arthur! It's about time son.
ARTHUR	AMOS	Sorry Amos. Some of us had a bit of a sleepy start. This is Amos Diggory everyone, he works with me at the ministry.

R Packages

- library(wordcloud)

- library(lexicon)

- library(NLP)

- library(RColorBrewer)

- library(tm)

- library(tokenizers)

- library(quickPlot)

- library(tidytext)

- library(dplyr)

- library(igraph)

- library(ggplot2)

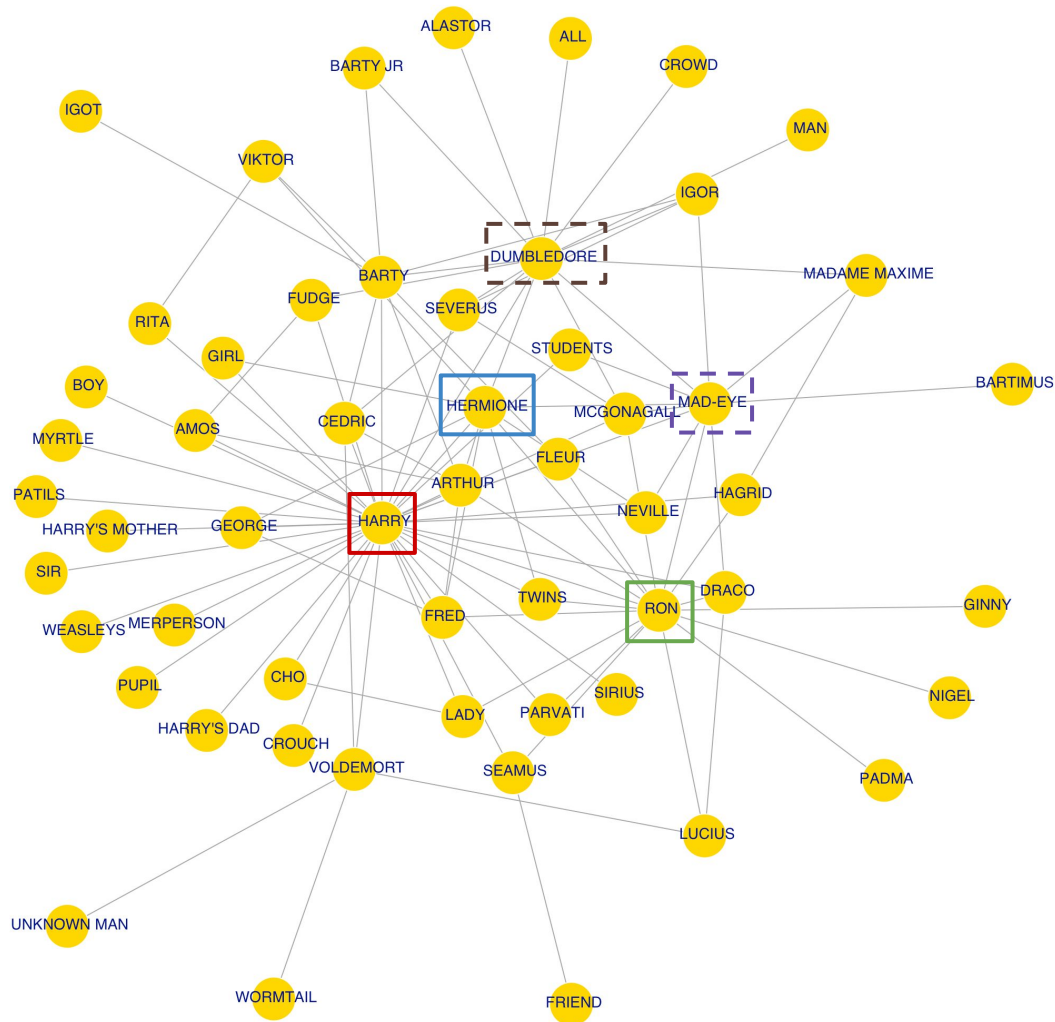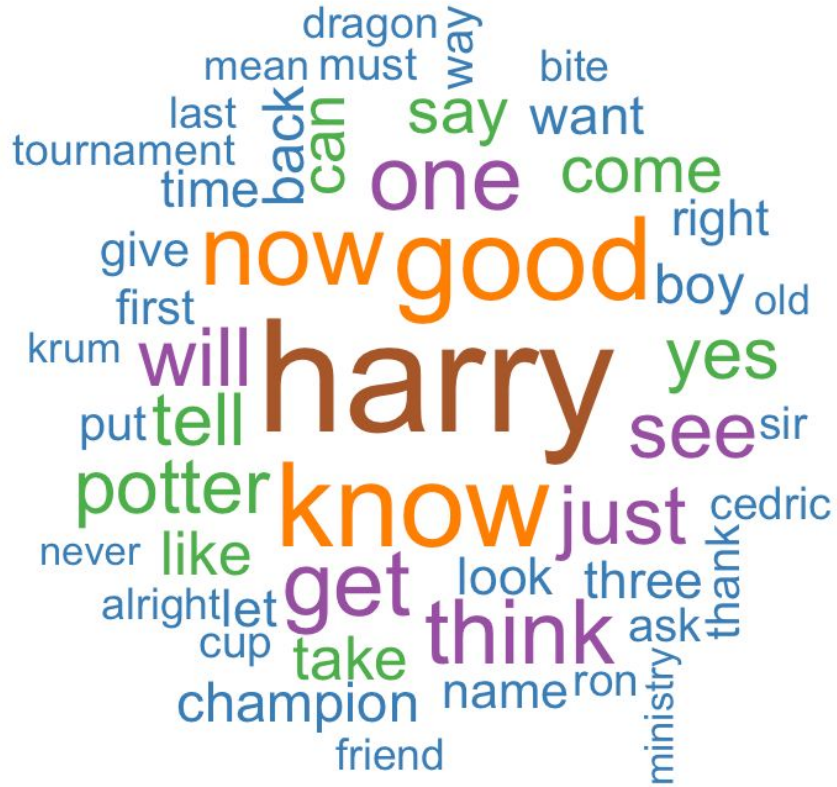# Analysis and Insights

Social Network Analysis
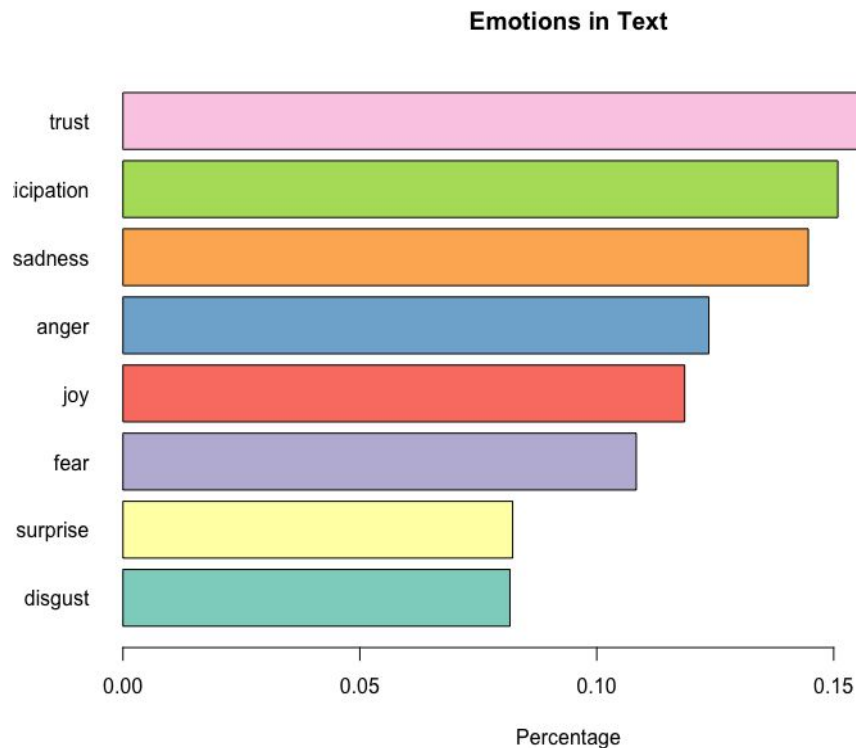
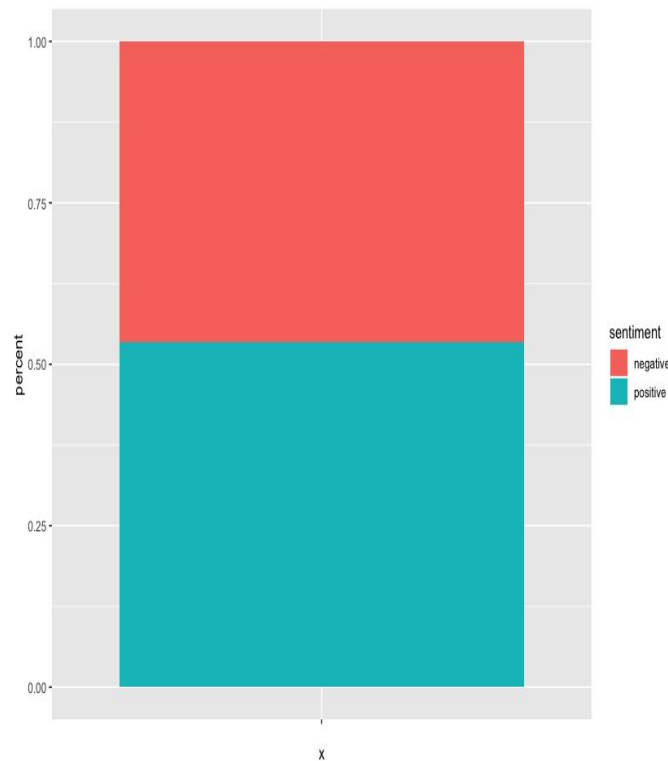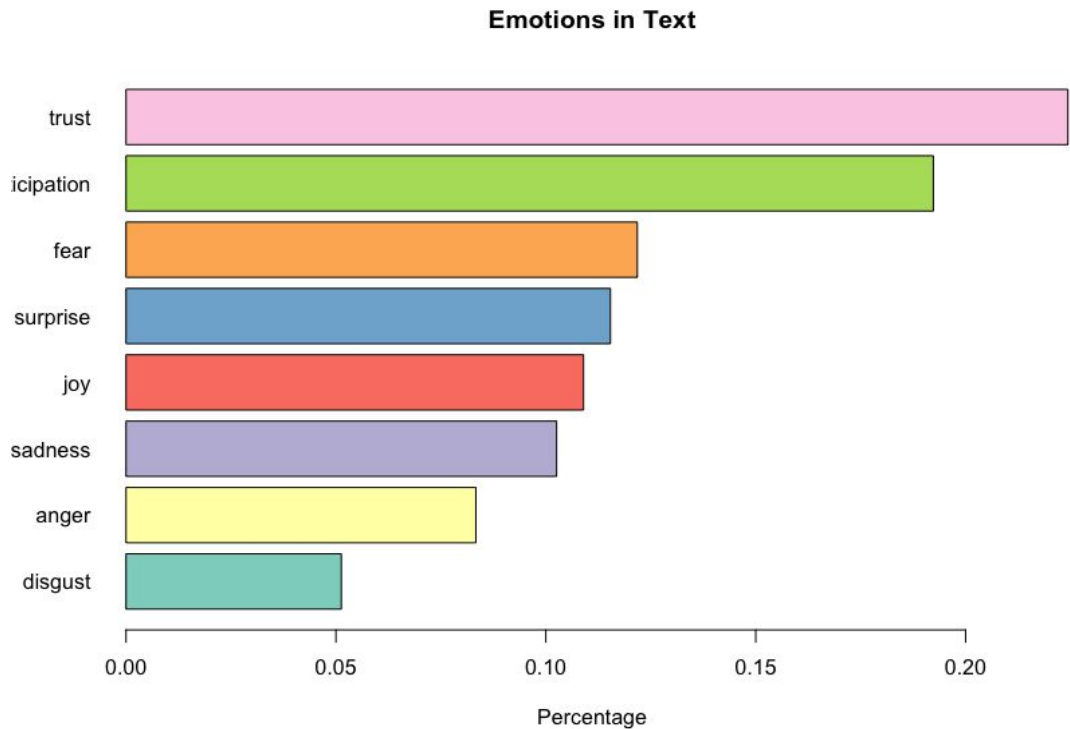# Social Network Map
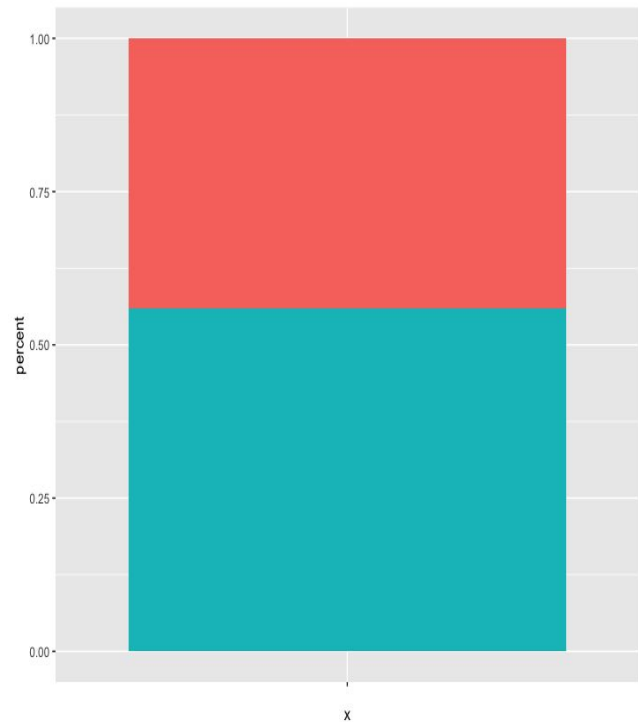
Word Cloud

Sentiment Analysis

Movie depicts slight positive emotions on the back of emotions like Trust and Joy; however sadness, anger and fear bringing negativity in the theme
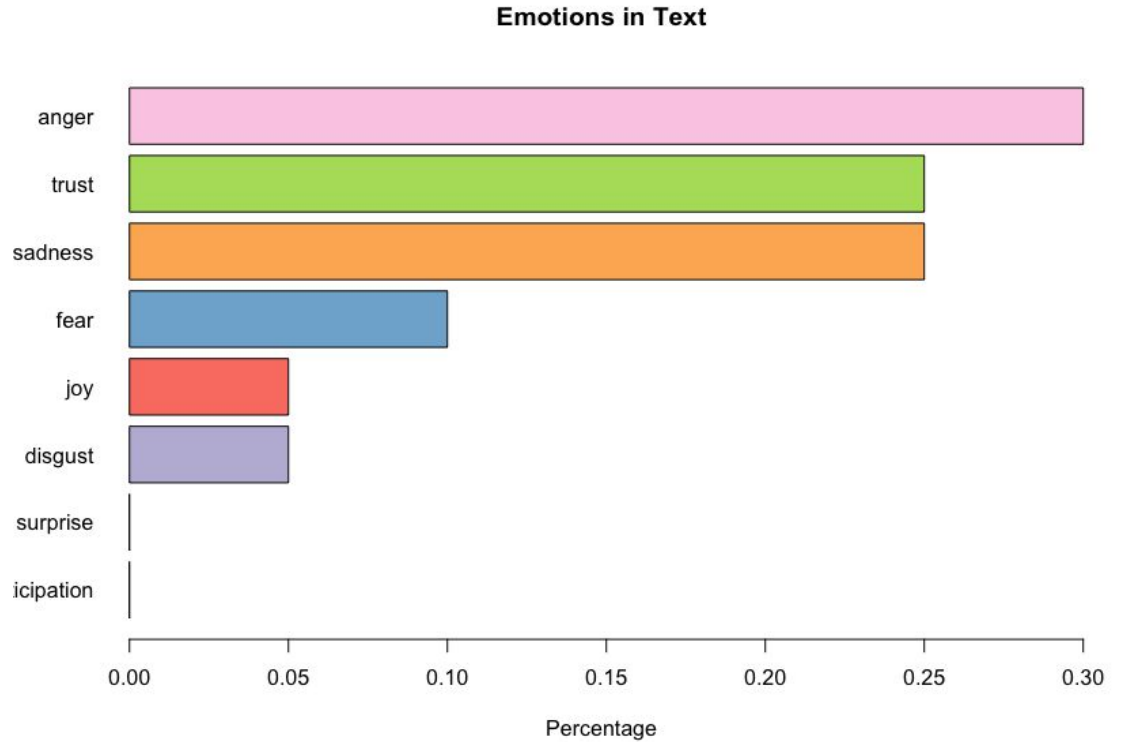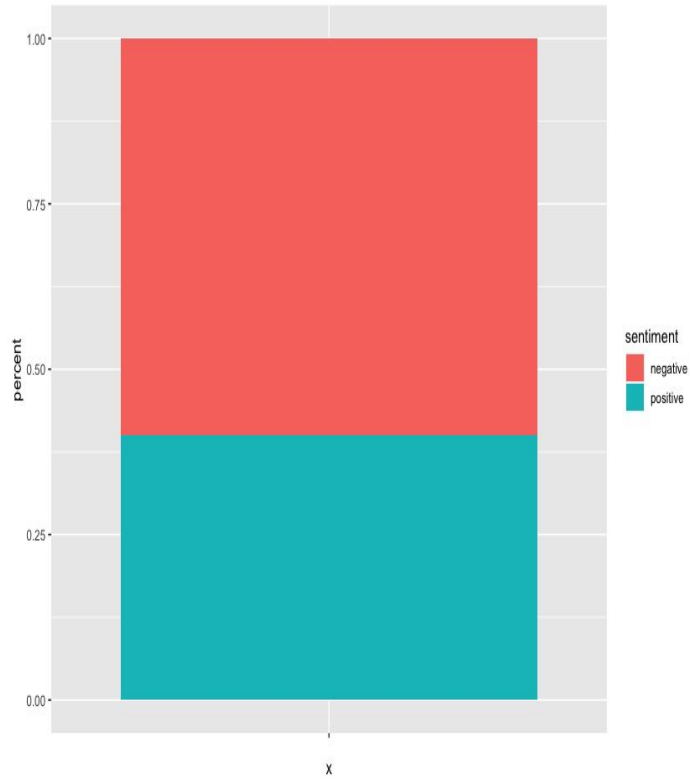

Sentiment Analysis: Overall Sentiments and Emotions amongst Characters

Central Character "Harry" displays slight positive sentiment 56%. He was equally bound by emotions like fear and sadness
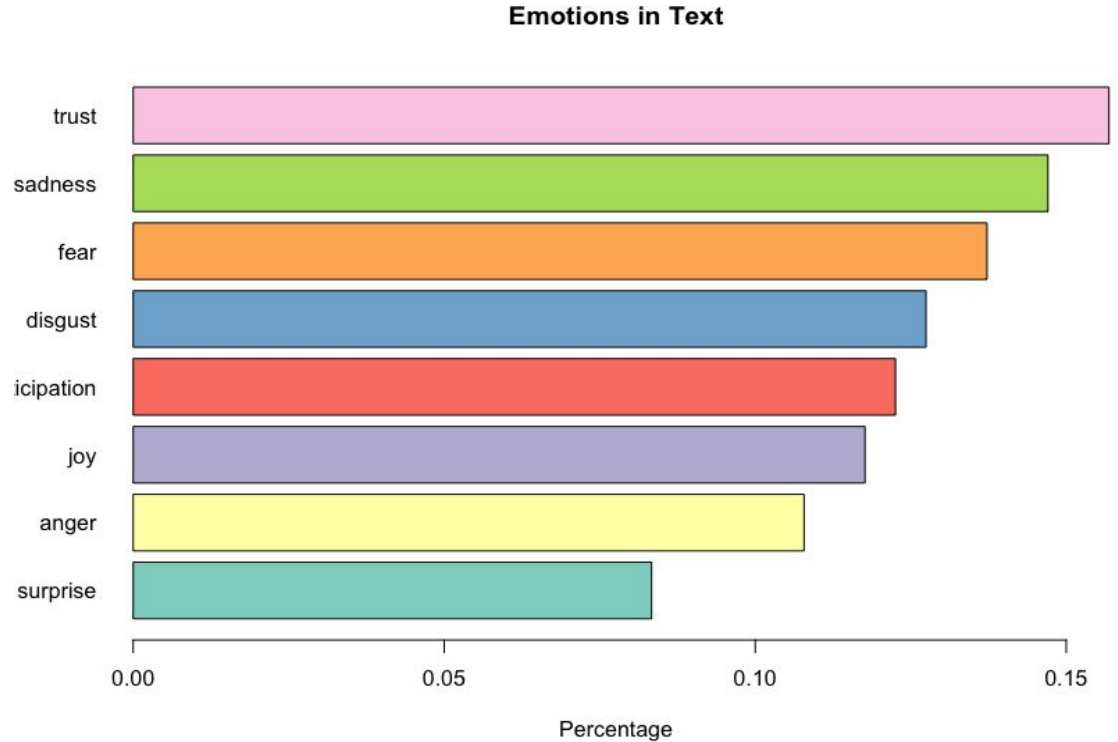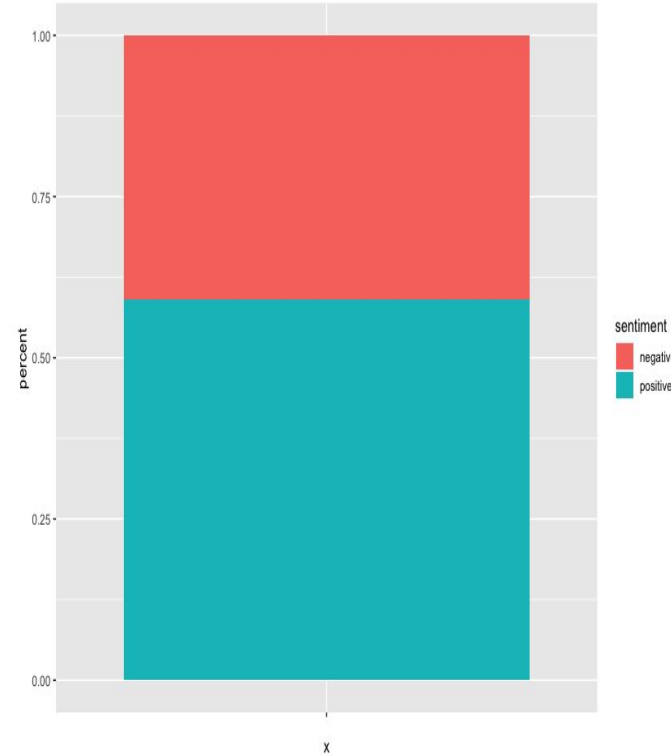

Sentiments and Emotions displayed by Main Character- Harry

Another lead character "Cedric" has negative role displaying anger and sadness
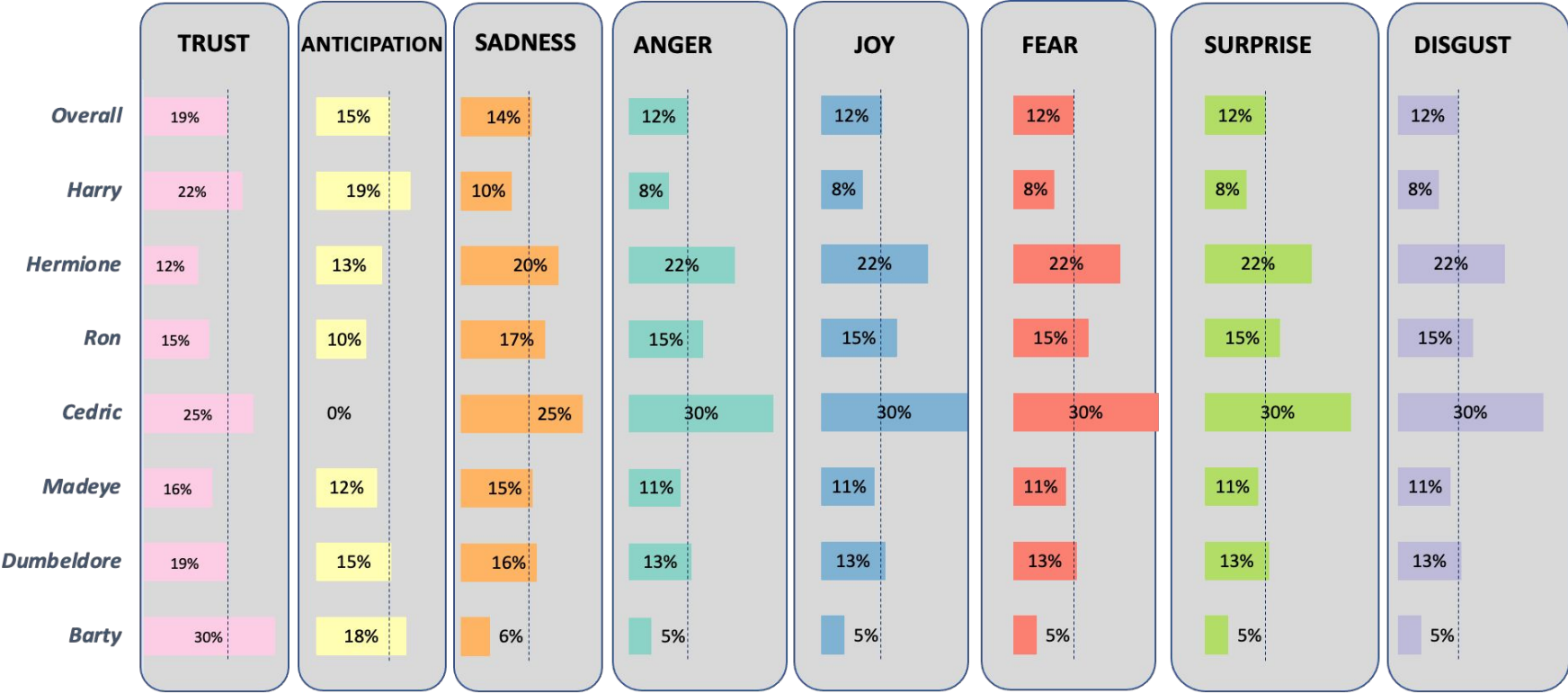

Sentiments and Emotions displayed by Main Character- Cedric

Mad-Eye: Contrast to the notion, script hints him as a slight positive character having high degree of trust

Sentiments and Emotions displayed by Main Character- Mad-Eye

Trust: Harry is a trustworthy character along with Cedric and Barty

	TRUST	ANTICIPATION	SADNESS	ANGER	JOY	FEAR	SURPRISE	DISGUST
Overall	19%	15%	14%	12%	12%	12%	12%	12%
Harry	22%	19%	10%	8%	8%	8%	8%	8%
Hermione	12%	13%	20%	22%	22%	22%	22%	22%
Ron	15%	10%	17%	15%	15%	15%	15%	15%
Cedric	25%	0%	25%	30%	30%	30%	30%	30%
Madeye	16%	12%	15%	11%	11%	11%	11%	11%
Dumbeldore	19%	15%	16%	13%	13%	13%	13%	13%
Barty	30%	18%	6%	5%	5%	5%	5%	5%

Comparison chart of Emotions in all characters

Conclusion