

Evaluation of Shakespearean Prose and Comparison to Modern Film and Literature

Introduction

"What's in a name? That which we call a rose by any other name would smell just as sweet." These words, penned by William Shakespeare, convey how little Juliet's family name means to Romeo, who would overlook their family feuding for romance's sake. The quote can also apply to the use of language in Shakespeare's plays. Foad, Jim, and Ariel have elected to dive deeper into the works of William Shakespeare and perform various data mining techniques on them.

Data Provenance

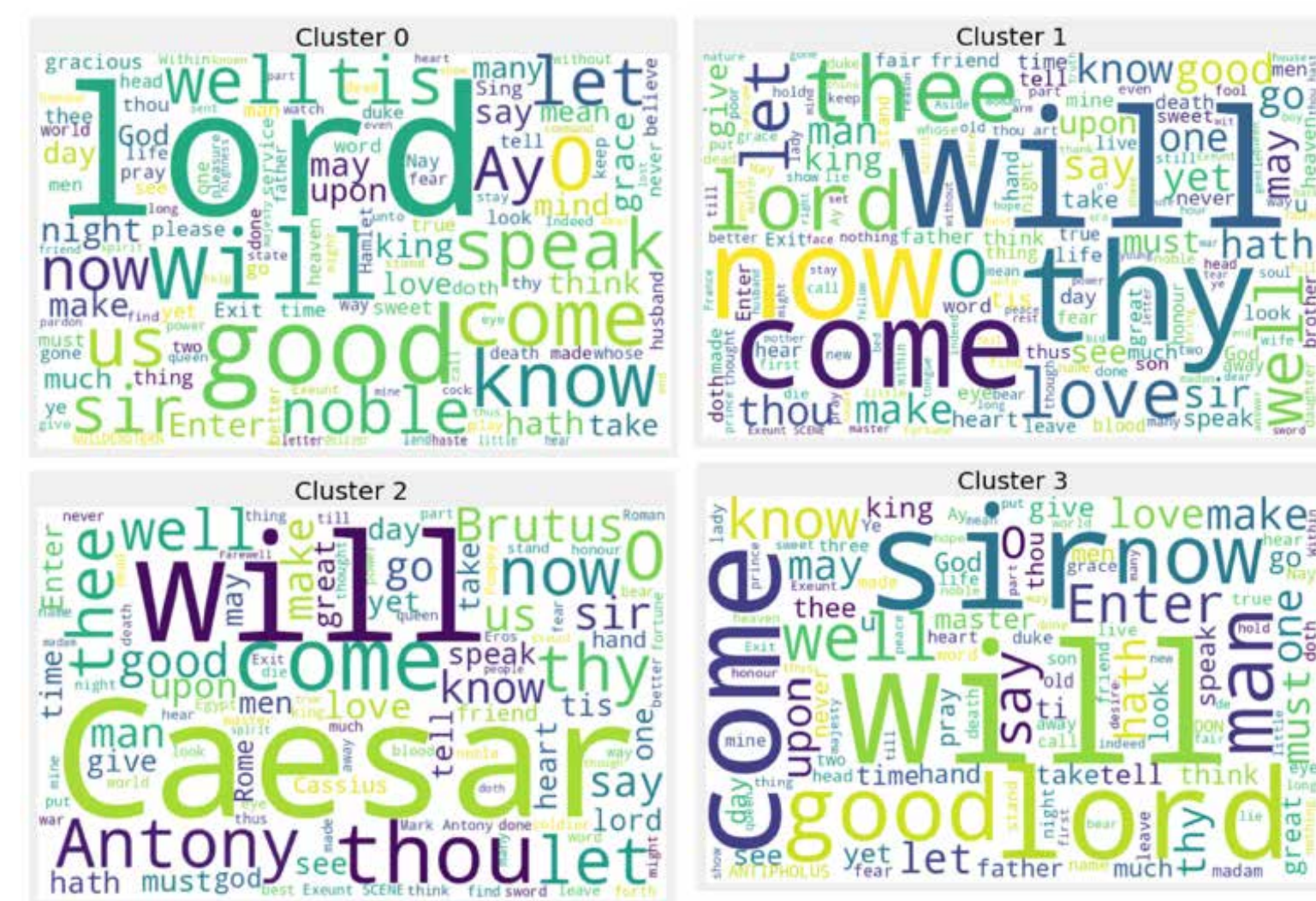
We plan to use a dataset comprised of lines of dialogue and stage directions in Shakespeare's plays. The dataset can be found on Kaggle's website [here](#). Additional comparative literature has been obtained through the Gutenberg project, from works such as Alice's Adventures in Wonderland, Moby Dick, The Great Gatsby, and The Tragedy of Dr. Faustus.

Data Structure

From an initial position, we plan on performing an n-gram analysis of Shakespeare's various plays, looking for similarities in word usage and sentence structure between plays. Of additional interest are the influences of Shakespeare's works on later plays and films. It

The Words of Shakespeare

- 36 Plays
- 934 Players
- 105,153 Lines
- Generated Four Clusters



What's In A Name?



Shakespeare Meets Literature

- Jaccard similarity to Shakespeare's works was 0.198
- Difficulty using Misra-Gries due to difference in language and frequency of name occurrence.

Title	Jaccard Similarity with Shakespeare
Alice's Adventures in Wonderland	$10/90 = .111$
Cranford	$17/83 = .205$
Frankenstein	$22/78 = .282$
Middlemarch	$22/78 = .282$
Moby Dick	$16/84 = .19$
Pride and Prejudice	$17/83 = .205$
Room With a View	$15/85 = .176$
The Blue Castle	$14/86 = .163$
The Enchanted April	$10/90 = .111$
The Great Gatsby	$20/80 = .25$

The Bard in Film

- Shakespeare is more visually evocative (i.e. bit thumb)
- Modern films work with smaller colloquial phrases
- Can pick up on emotional themes in Shakespeare's Work
- Several modern films are remakes of Shakespearean Plays

Warm Bodies = Romeo and Juliet

She's the Man = 12th Night

10 Things I Hate About You = Taming of the Shrew

