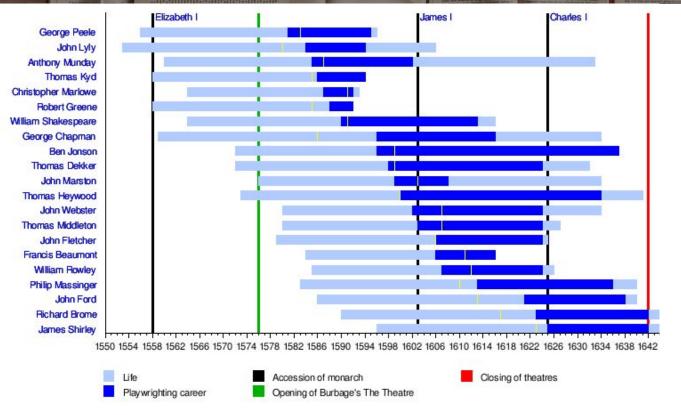
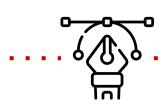
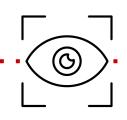


THE SHAKESPEARE AUTHORSHIP QUESTION













retisect play

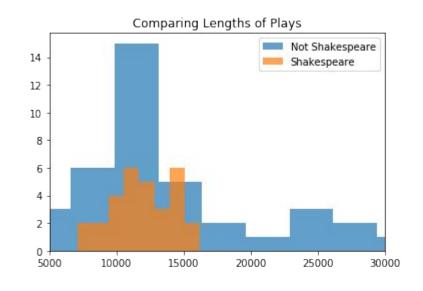
TRANSFORM

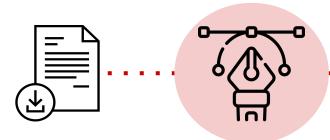
& CLASSES TEXTS

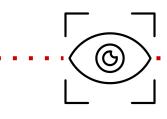
MODELSENT

The state of the s

- Certainty about Authorship
- Equal Scholarship/Readership
- O Consistency in Editing









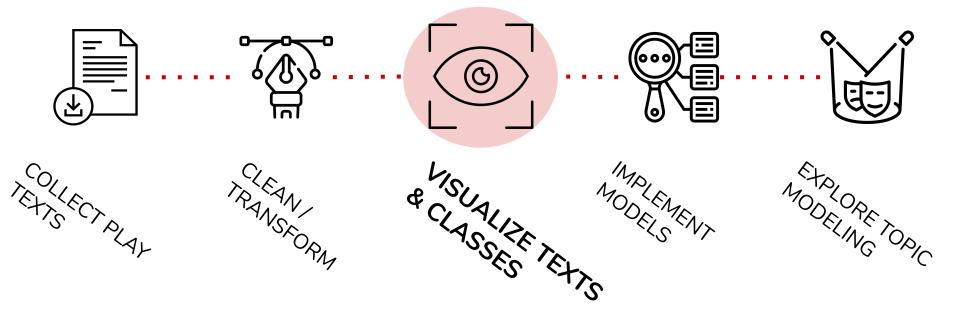


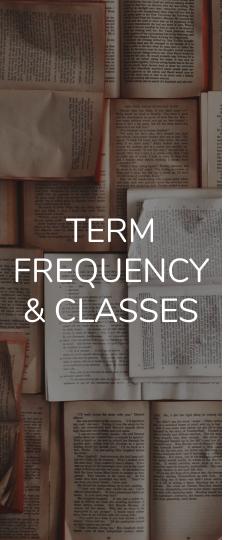
TEXTS CT PLAY

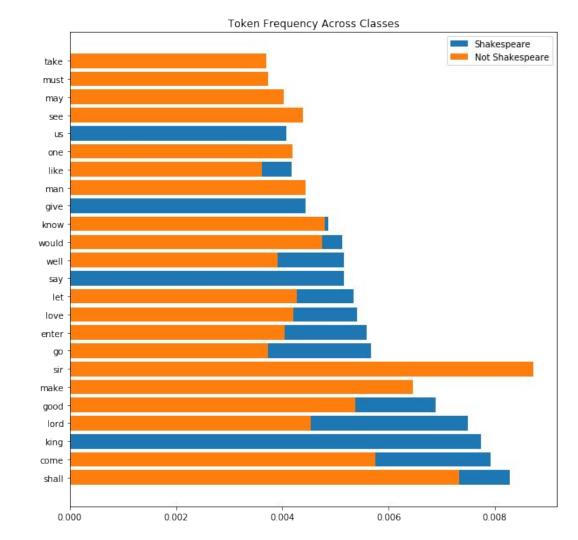
TRANSFORM

& CLASSES TEXTS

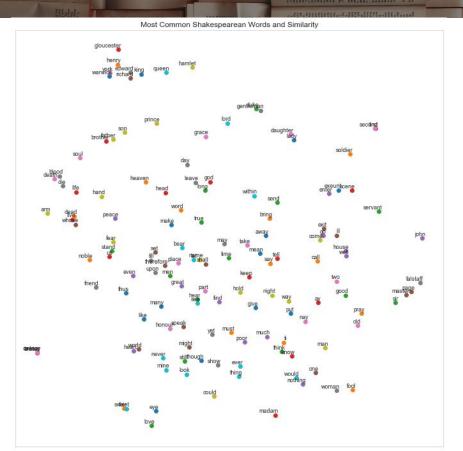
MODELSENT



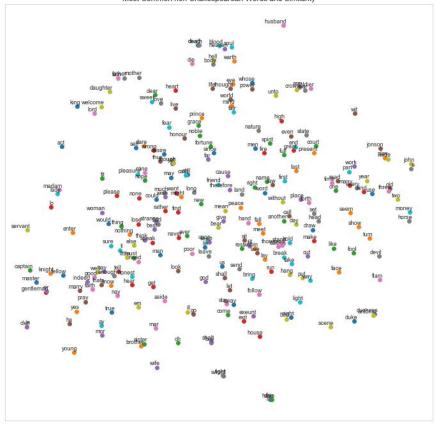




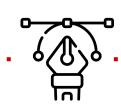
CLASSIFYING TEXTS WITH MACHINE LEARNING

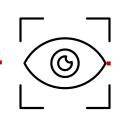


Most Common non-Shakespearean Words and Similarity













TEXTS CT PLAY

TRANSFORM

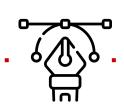
& CLASSES TEXTS

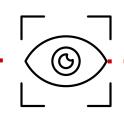
MODELS NY

CLASSIFYING TEXTS WITH MACHINE LEARNING

| | Model_Name | F1_Score | Accuracy_Score | Precision_Score | Recall_Score |
|---|--------------|----------|----------------|-----------------|--------------|
| 0 | RF_TF-IDF | 0.9412 | 0.9444 | 1 | 0.8889 |
| 1 | RF_Dim-Reduc | 0 | 0.5 | 0 | 0 |
| 2 | RF_ngrams | 0.6154 | 0.7222 | 1 | 0.4444 |
| 3 | MNB_TF-IDF | 0.6154 | 0.7222 | 1 | 0.4444 |
| 4 | CNB_TF-IDF | 0.6154 | 0.7222 | 1 | 0.4444 |
| 5 | SVM_Dim-Red | 0.3636 | 0.6111 | 1 | 0.2222 |
| 6 | SVM_bigrams | 0.5 | 0.6667 | 1 | 0.3333 |
| 7 | XGB_TF-IDF | 1 | 1 | 1 | 1 |
| 8 | XGB_seq | 0 | 0.5 | 0 | 0 |
| 9 | RNN | 1 | 1 | 1 | 1 |











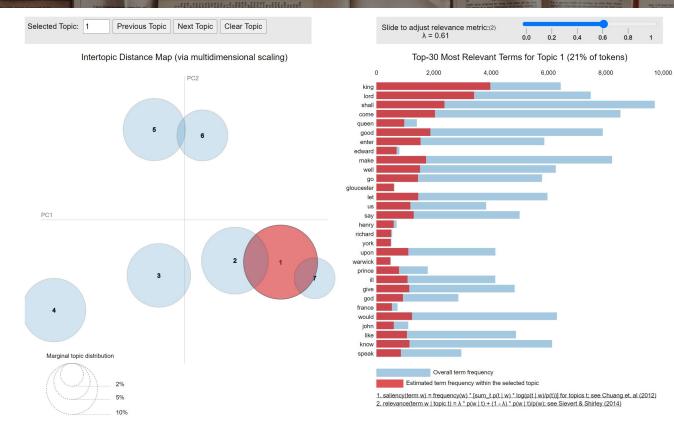
TEXTS CT PLAY

TRANSFORM

& CLASSES TEXTS

MODELSENT

EXPLORING TEXTS WITH TOPIC MODELING







INCORPORATION OF SONNETS



WEIGHTS/HYPERPARAMETER TUNING



EXPAND NON-SHAKESPEARE DATASET



BUILD RECOMMENDATION SYSTEM

