

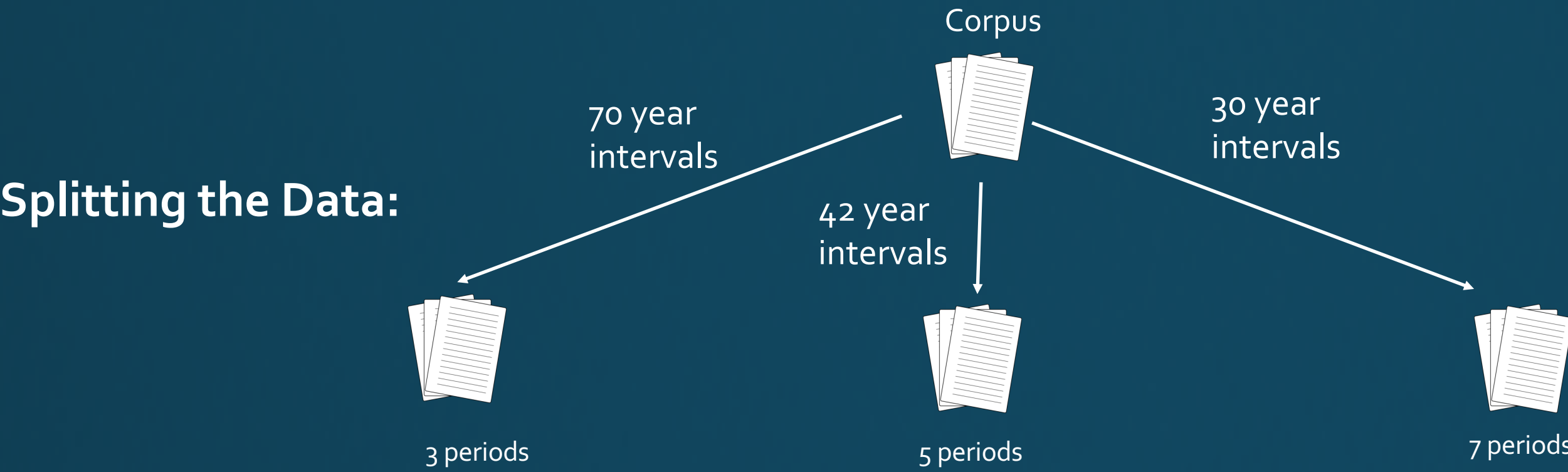
Intro and Data

Research Questions

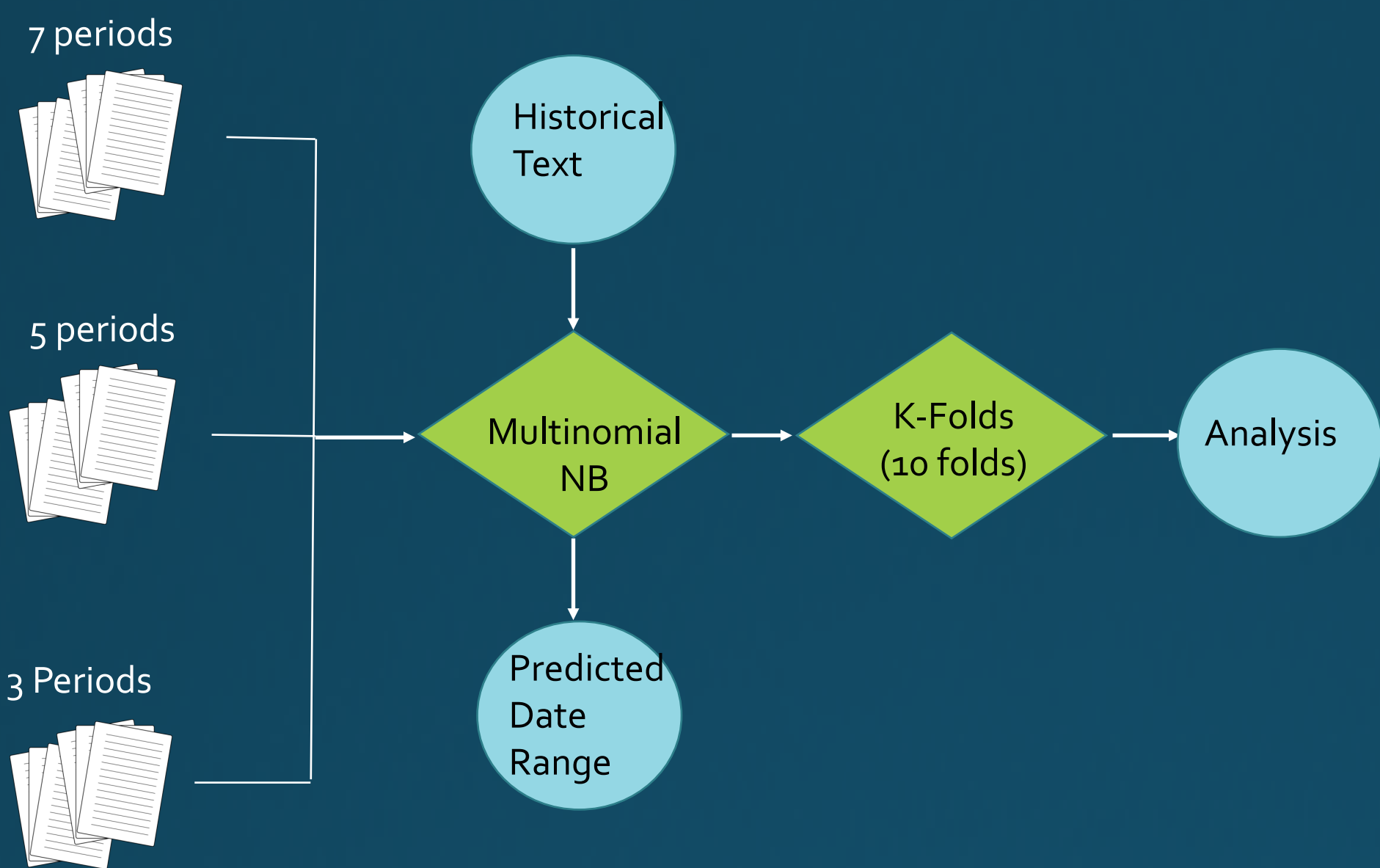
- Can we look at a written document and tell you when it was made with certainty?
- What can we learn about the evolution of writing over time?

Data:

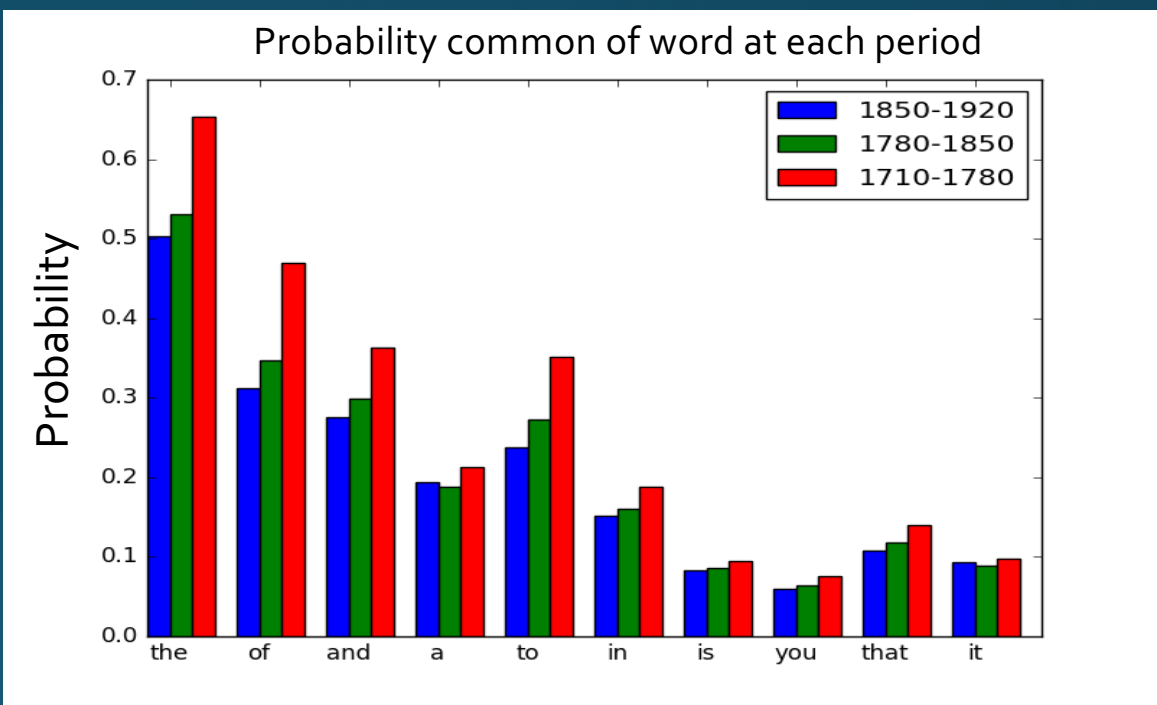
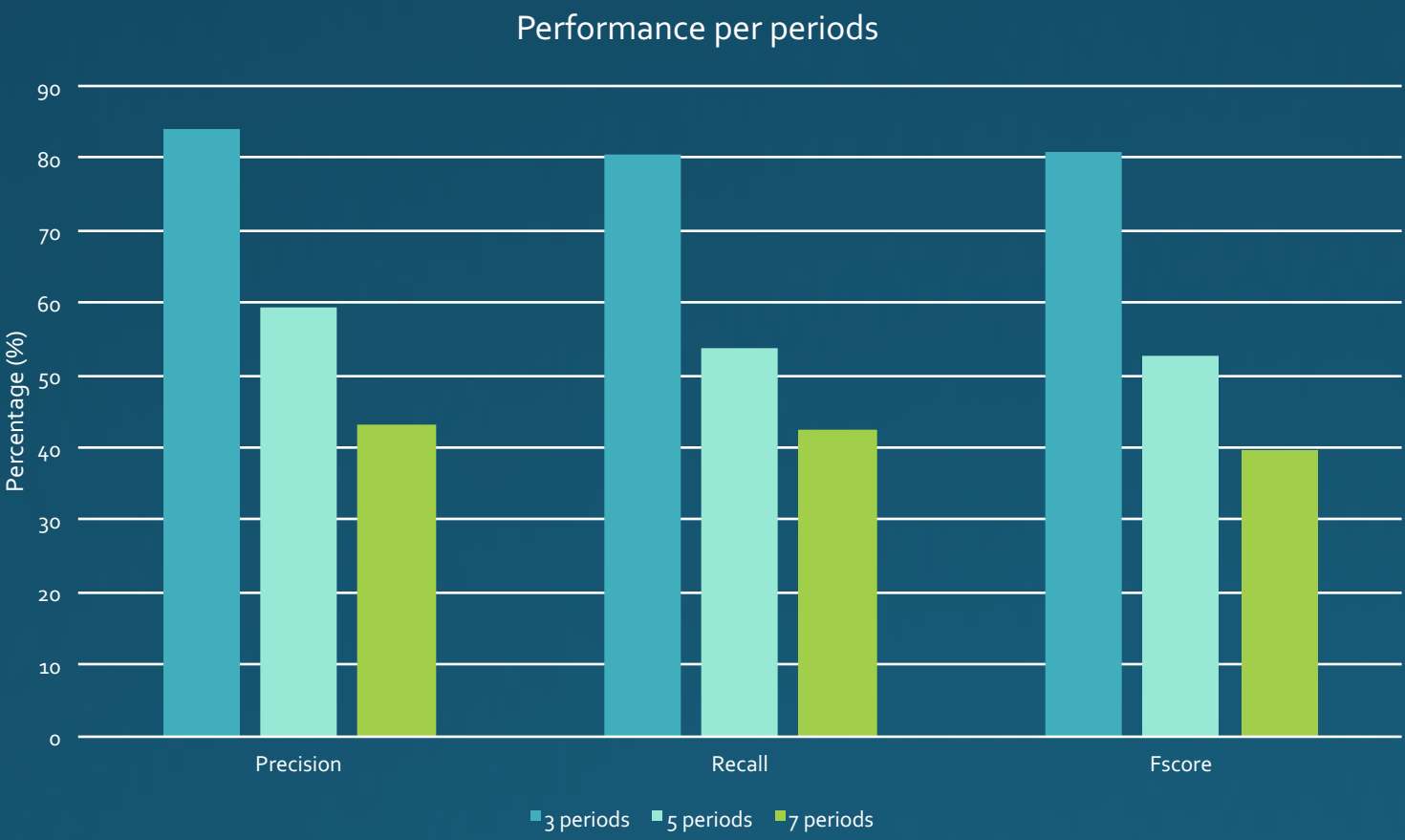
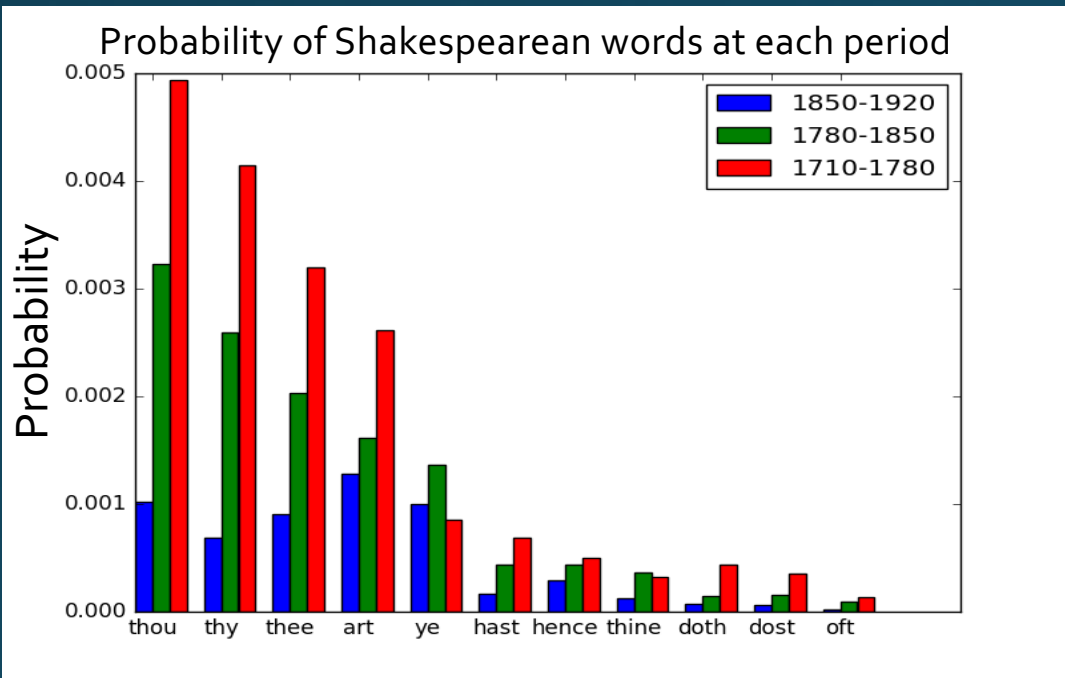
- Corpus of Late Modern English Texts (CLMET)
- Corpus ranges from 1710's-1920's (333 texts)



Model



Results



Conclusion

- Using the 3 period approach we can determine the progression of words through these periods with 84.02% precision.
- Lots more training data is needed to accurately predict more specific time periods.
 - The more specific you get the less significant difference you have between texts of that time.
 - By creating more classes you have to divide up your training set into all those classes therefore you need a lot more data to keep up an accurate training regiment.