Yifan Guo

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Estimated time: 20 hours

Actual time spent: 10 hours

4. Comparisons:

Works by same author

Sonnets vs Hamlet (Shakespeare) = 0.0197008

Poems vs Alchemist (Jonson) = 0.0166743

Works by different authors

Sonnets vs Poems (Shakespeare vs Jonson) = 0.0195142

Sonnets vs Alchemist (Shakespeare vs Jonson) = 0.0210803

Hamlet vs Poems (Shakespeare vs Jonson) = 0.0156096

Hamlet vs Alchemist (Shakespeare vs Jonson) = 0.0111723

Hamlet vs Atlantis (Shakespeare vs Bacon) = 0.0234197

5. I believe Shakespeare did not copy from Bacon. The vector distance between hamlet.txt and atlantis.txt is greater than all the other vector distances listed above. If Bacon did indeed write Hamlet, the above data does not support this conclusion, since Hamlet and Atlantis are the farthest apart in vector distance.

6. I found (1) reading the section on strings in Section 5.2 of the textbook, (2) pages 876 – 880 on STL maps, (3) the online links and stack overflow pages regarding the [] operator and find() method crucial to completing this project.

7. Yes, below are the links I found helpful.

<http://stackoverflow.com/questions/8960087/how-to-convert-a-char-array-to-a-string>

<http://www.cplusplus.com/reference/map/map/find/>

<http://www.cplusplus.com/reference/map/map/operator%5B%5D/>

Trial and error was also involved.

8. I enjoyed writing a program that finds meaning in words that otherwise would not have been obvious, and used them to construct a very intriguing analysis. No thoughts on improvement.

9. This project was not lacking. Perhaps, it would have helped to explain a little more in detail how to manipulate a string in c++ (but this was provided in section 5.2 of the text).