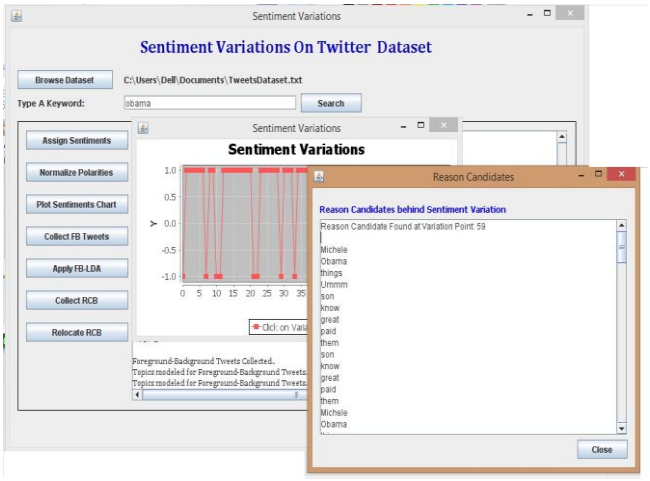

7. Conclusion

In this paper, the problem of analyzing public sentiment variations and finding the possible reasons behind it are solved by using two Latent Dirichlet Allocation (LDA) based models such as Foreground and Background LDA (FB-LDA) and Reason Candidate and Background LDA (RCB-LDA). This system can mine possible reasons behind sentiment variations which provide the sentence level reasons. This are the actual causes for sentiment variations This system is general so it can also be used to discover special topics or aspects in one text collection comparison with another background text collection.

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