Project Description

We are going to combine Point Processes and Topic Modelling. So the main part of the project is to implement [1] which tries to use hawkes process and topic modelling jointly. Hawkes Process is used to model events time and topic modelling is used to consider content information. In this paper Variational inference is used and the update rules are available in [2] and you can use them. We will discuss more about the project on TA class.
You can also define your project based on this paper and try to extend this work. For example you can use Deep Learning methods like [3] to have a different topic modelling.

References

