Shape of Stories Parameters

'arameters of the Shape of Stories Tool	
Window Size	
Sentiment Vector Size	
Number of Clusters	
References	

Parameters of the Shape of Stories Tool

Once the selected Shape of Story algorithm starts running, it will ask you for parameter preferences in order to have maximized results depending on your corpus characteristics (Size & Type). Each one of the 3 parameters will give you recommended values computed by the NLP Suite that best suits your corpus. However, you are free to adjust parameters to your convenience if you wish to experiment.

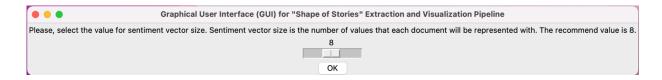
Window Size

First, it will ask you for the "Window Size" which is the number of sentences the algorithm will use to output a Sentiment Score of a point in the story arc. This has a huge impact on precision but at the same time it can drastically increase running time when too large. A lower Window Size means more points generated for each text but also less sentences incorporated in a single point, meaning that each point will be highly sensitive to the sentiment score of a single sentence.



Sentiment Vector Size

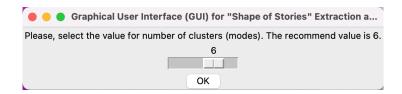
Second, it will ask you for the "Sentiment Vector Size" which is the number points or "length" of the vector that is computed for each text. A large vector size can lead to overfitting and bad results.



Number of Clusters

Finally, it will ask for the number of clusters created by the algorithm. The more clusters you get the more precise your clusters. Too much precision will prevent you from highlighting common trends in your corpus while not enough will only give you superficial results. If you would like to experiment with the number of clusters k, please use the Best Topic Estimation Function.

To learn more about the Best Topic Estimation function, read the TIPS_NLP_Best Topic Estimation.



References

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