When to use it

EnsembleLDA should be used whenever there is the need of having reliable topics.

We have observed that LDA struggles to converge into the true topics, when the training corpus is relatively small. Besides it, as we have already mentioned, there are other variables, which we cannot control, that contribute to the instability of the topics created by LDA.

After removing all the noisy topics, which were generated by the model, only a condensed list of reliable topics is left. These topics are less prone to hyperparameter changes. This will save the user a lot of time looking for a good model, which can then be spent on building a classifier and interpreting the model.

When not to use it

Since ensemble methods create multiple models and then combine them, they require more processing power and processing time than training a model one single time. If processing power and time are abundant resources, then the use of assemble methods in general is not recommended.