Training											
Pretrained Langauge Model	**Contextual Size**	**Hyperparameters**							**Number of words per each Topic**	**Evaluation Metric**	
		Model-type	**Drop-Out**	**Batch Size**	**Learning Rate**	**Solver**	**Number of Topics (Number of Components)**	**Number of Epochs**		**CoherenceNPMI**	**TopicDiversity**
all-mpnet-base-v2	768	ProdLDA	0.2	32	1.00E-07	adam	10	100	10	-0.26	0.95
							20			-0.25	0.93
							30			-0.27	0.91
							50			-0.24	0.89
							100			-0.25	0.8
		ProdLDA	0.2	32	15	adam	10	100	10	0.136	0.9
							20			-0.08	0.58
							30			0.11	0.79
							50			0.02	0.5
							100			0.06	0.4
		ProdLDA	0.2	1024	1.00E-07	adam	10	100	10	-0.23	0.98
							20			-0.25	0.94
							30			-0.24	0.94
							50			-0.25	0.91
							100			-0.26	0.79
		ProdLDA	0.2	1024	15	adam	10	100	10	-0.12	0.75
							20			-0.17	0.73
							30			-0.11	0.7
							50			-0.08	0.59
							100			-0.14	0.49

Conclusion: 1. Lesser the learning rate, lower the coherence. 2. Out of this 4 combinations, the last combination of high learning rate and large batch size gives us topics with much lesser coherence and much less topic diversity. So, we can conclude that we have somewhat achived posterior collapse because in posterior collapse as the latent structure is not learned during training it gives us topics which are more or less similar i.e not diverse.