

ASSIGNMENT #6

Performance Analysis:

- The performance of **LDA** clustering is slightly better than **KMeans** clustering algorithm.
- The increase or decrease in the **min_df** parameter has an inverse effect on the performance of both the algorithms.
- The performance metrics for Kmeans clustering for a given set of parameters are shown to be varying on running different instances as the initial centroid positions are random .
- The performance metrics for a given set of parameters are constant for the LDA clustering analysis .
- The performance doesn't improve after a certain number of iterations , which is independent of the value of **max_iter** parameter.