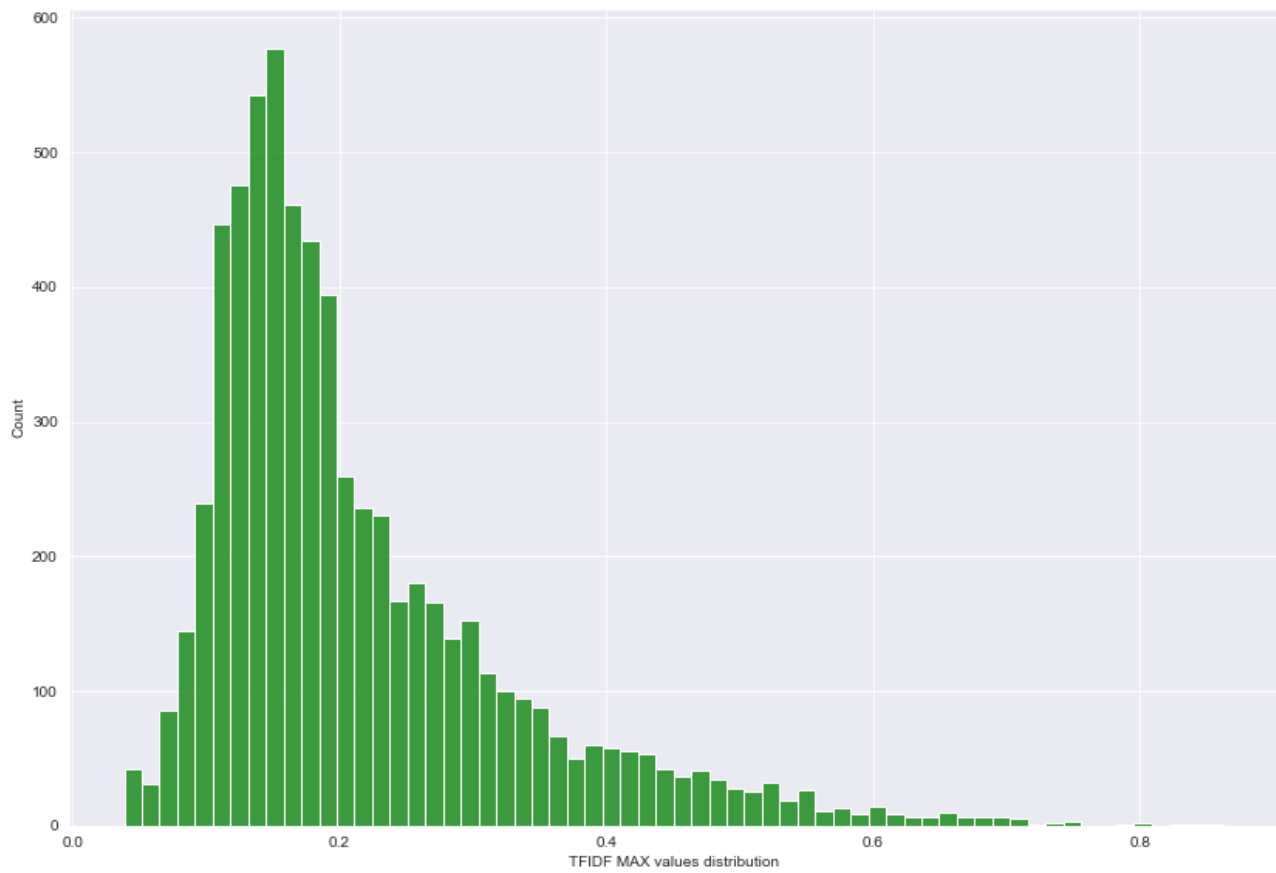| About the data used	
Number of documents	1020
Number of Clusters	6
Cluster Names	Chemistry, Data Mining, WSN, Statistics, Cybersecurity, Graph theory

After using the sklearn TfidfVectorizer to create a TFIDF matrix:

Dimensions of TFIDF matrix	1020 x 6549

Let us check the distribution of the max TFIDF value of each of the 6549 features:

After using SVD for dimensionality reduction

Plot of Number of components v/s explained variance