Q4 Depending on the value of le , we have a certain amount of clustors where Le assign the data points in. The number of cluster he determines the number of the k egenvectors, of L. Hence, it also determines how many agencelos are seng used to run the kimeans algorithm: 7= (v1, v2 ... v4) (2.) See Gapyte Note Sook in . 2: p (3) The inismatch le 2 3 4 M. m. 640 0341 30.34 0 0.3410 rates remain the M: snaker 0,31% 0.31% 0.31% Some over k= 334 However, due to the random start point (4-news) the results might. Heterte flactuate. Since the mismatch rate is already reasonably small there is no turing of ke-needed. However, the common approach to increase he led to worse results than 4=2,3,4. This indicates that there might be a iniscalculation somewhere. Generally, the accuracey should increase with a larger number of k.

Spectral Chasteing is an appropriate method to cluster the political blog dataset. Blogs within the same cluster certainly tend to shore the some political views More consected blogs to compared to othe political blogs were not visible for the data. For further research more information e of the political blogs is necessary and con Se used to investigate the connection between certain blogs and their political view more detailed.