ReadMe

Steps to run the code:
1. This code is developed and tested by IDE, Visual Studio Code.
2. In order to print out the table, please install prettytable module first.
3. Put data file under same folder with source code, if you use usnewshealth.txt, you do not have to change the code. Otherwise you have to modify the code of line 11.
4. Run the code and wait for few seconds, the result would be presented as table format.

References:
https://www.jianshu.com/p/5314834f9f8e
https://zhuanlan.zhihu.com/p/30608230
http://zetcode.com/python/prettytable/

My results presenting as follows:

Value of K	SSE	Size of each cluster
5	445552.7687457912	5: 77 tweets 4: 621 tweets 3: 79 tweets 2: 248 tweets 1: 375 tweets
6	302037.0851606222	6: 363 tweets 5: 74 tweets 4: 295 tweets 3: 255 tweets 2: 85 tweets 1: 328 tweets
7	294802.62009409803	7: 112 tweets 6: 396 tweets 5: 47 tweets 4: 69 tweets 3: 220 tweets 2: 164 tweets 1: 392 tweets
8	221124.86627750803	8: 255 tweets 7: 84 tweets 6: 104 tweets 5: 256 tweets 4: 263 tweets 3: 54 tweets 2: 120 tweets 1: 264 tweets

9	241655.61455883432	9: 51 tweets 8: 61 tweets 7: 233 tweets 6: 409 tweets 5: 59 tweets 4: 224 tweets 3: 85 tweets 2: 216 tweets 1: 62 tweets
10	181137.4693331355	10: 270 tweets 9: 187 tweets 8: 99 tweets 7: 120 tweets 6: 220 tweets 5: 139 tweets 4: 38 tweets 3: 202 tweets 2: 23 tweets 1: 102 tweets
11	189490.90666688583	11: 99 tweets 10: 46 tweets 9: 159 tweets 8: 33 tweets 7: 177 tweets 6: 5 tweets 5: 53 tweets 4: 202 tweets 3: 181 tweets 2: 122 tweets 1: 323 tweets