

CCOD
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I have chosen 10 letters: **А,Б,С,В,Д,Е,К,Н,У,Ф**
alpha=0.5

Here is a table of similarity percentage of letters:

	А	Б	С	В	Д	Е	К	Н	У	Ф
А	1	0.2	0.1	0.15	0.4	0.15	0.1	0.2	0.45	0.15
Б	0.2	1	0.2	0.6	0.2	0.7	0.2	0.4	0.1	0.2
С	0.1	0.2	1	0.1	0.1	0.15	0.15	0.1	0.1	0.15
В	0.15	0.6	0.1	1	0.1	0.7	0.1	0.2	0.1	0.6
Д	0.4	0.2	0.1	0.1	1	0.1	0.1	0.15	0.1	0.1
Е	0.15	0.7	0.15	0.7	0.1	1	0.15	0.15	0.1	0.2
К	0.1	0.2	0.15	0.1	0.1	0.15	1	0.45	0.4	0.2
Н	0.2	0.4	0.1	0.2	0.15	0.15	0.45	1	0.2	0.2
У	0.45	0.1	0.1	0.1	0.1	0.1	0.4	0.2	1	0.15
Ф	0.15	0.2	0.15	0.6	0.1	0.2	0.2	0.2	0.15	1

Final table, where all values less then alpha and main diagonal will become zeros.

	А	Б	С	В	Д	Е	К	Н	У	Ф
А	0	0	0	0	0	0	0	0	0	0
Б	0	0	0	0.7	0	0.7	0	0	0	0.6
С	0	0	0	0	0	0	0	0	0	0
В	0	0.7	0	0	0	0.7	0	0	0	0.6
Д	0	0	0	0	0	0	0	0	0	0
Е	0	0.7	0	0.7	0	0	0	0	0	0.6
К	0	0	0	0	0	0	0	0	0	0
Н	0	0	0	0	0	0	0	0	0	0
У	0	0	0	0	0	0	0	0	0	0
Ф	0	0.6	0	0.6	0	0.6	0	0	0	0

Iteration begin from max meaning

I={1,2,3,4,5,6,7,8,9,10}

c1={}

A(2,4)=A(4,2)

c1={2,4}

Sum(4,2)=0,7

Sum(6)=1,4 => c1={2,4,6}

	А	Б	С	В	Д	Е	К	Н	У	Ф
А	0	0	0	0	0	0	0	0	0	0
Б	0	0	0	0.7	0	0.7	0	0	0	0.6
С	0	0	0	0	0	0	0	0	0	0
В	0	0.7	0	0	0	0.7	0	0	0	0.6
Д	0	0	0	0	0	0	0	0	0	0
Е	0	0.7	0	0.7	0	0	0	0	0	0.6
К	0	0	0	0	0	0	0	0	0	0
Н	0	0	0	0	0	0	0	0	0	0
У	0	0	0	0	0	0	0	0	0	0
Ф	0	0.6	0	0.6	0	0.6	0	0	0	0

I={1,3,5,7,8,9,10}

c2={1}

c3={3}

c4={5}

*c5={7}
c6={8}
c7={9}
c8={10}*

C={2,4,6},{1},{3},{5},{7},{8},{9},{10} or C={Б,В,Е},{А},{С},{Д},{К},{Н},{У},{Ф}}

I have received many of clusters, because maybe I chose very different letters.