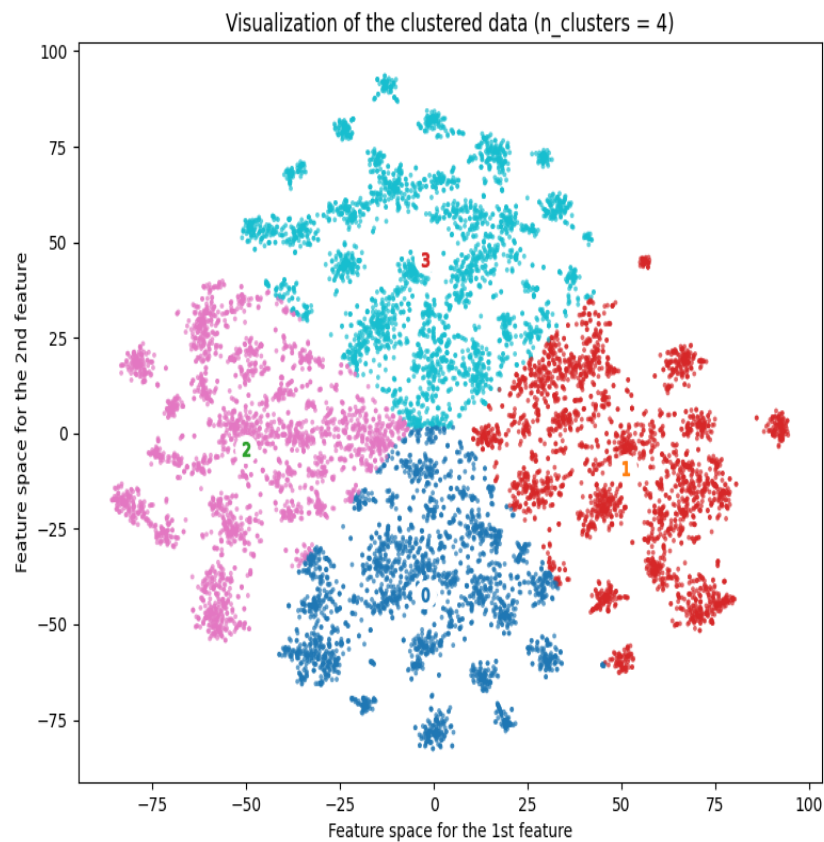


Alternative with 4 clusters:



Cluster 0:

model 3627
learning 3111
application 2661
problem 2468
method 2269
algorithm 2131
theory 1974
technology 1935
design 1932
technique 1687
tool 1654
analysis 1585
approach 1547
work 1512
network 1489
machine 1485
information 1416
provide 1354

goal 1347
control 1292

Cluster 1:

stem 5924
learning 4276
education 3613
community 3438
social 2868
network 2859
engineering 2764
teacher 2731
experience 2365
university 2286
undergraduate 2210
school 2194
practice 2105
provide 2086
model 2035
work 2027
group 1979
faculty 1961
technology 1960
knowledge 1932

Cluster 2:

material 5944
quantum 3421
energy 2720
property 2390
technology 2333
process 2226
model 2043
structure 1974
device 1930
understanding 1929
application 1877
high 1855
design 1807
field 1772
used 1757
chemical 1675
undergraduate 1562
method 1551
phase 1530
university 1502

Cluster 3:

model 4166

cell 3463
change 3310
community 3126
understanding 2936
water 2856
provide 2485
process 2470
specie 2325
plant 2218
protein 2057
used 2013
result 1955
ocean 1933
approach 1894
work 1881
climate 1848
undergraduate 1751
method 1735
including 1688