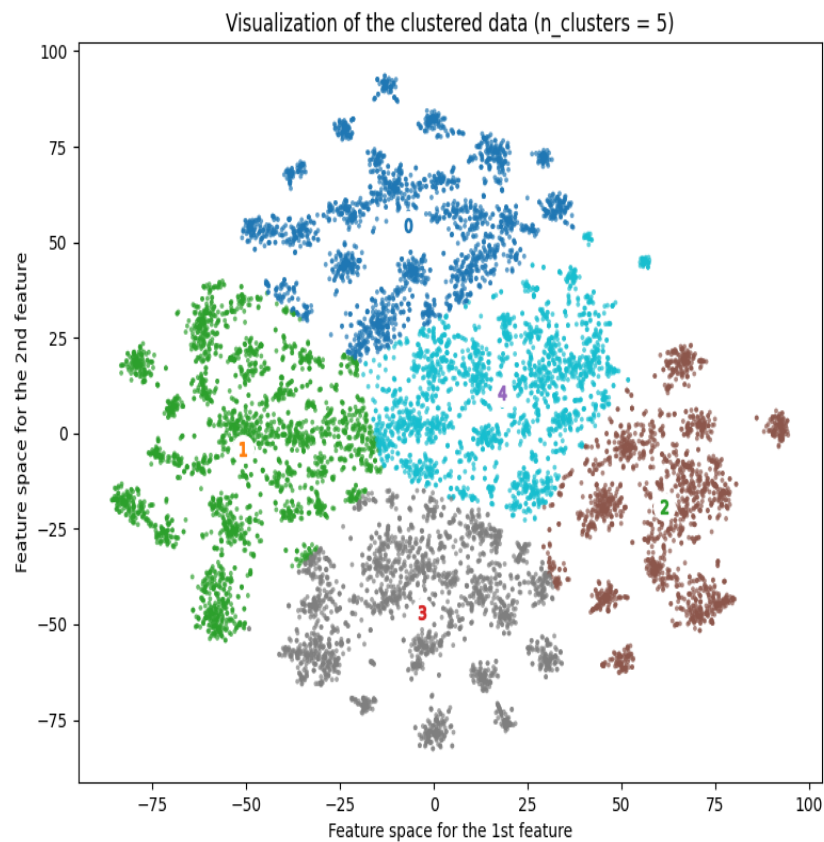Alternative with 5 clusters:

Visualization of the clustered data (n_clusters = 5)

Cluster 0:
cell 3084
change 2839
model 2776
water 2699
understanding 2380
process 2166
specie 2144
plant 2121
community 2096
protein 1855
provide 1822
ocean 1821
climate 1668
undergraduate 1569
used 1526
result 1472
work 1443
training 1318

environment 1295
activity 1274

Cluster 1:
material 6007
quantum 3409
energy 2725
property 2417
technology 2289
process 2194
model 2007
structure 1978
understanding 1932
device 1895
application 1891
high 1848
design 1802
field 1770
used 1750
chemical 1674
undergraduate 1570
method 1544
fundamental 1508
university 1507

Cluster 2:
stem 5788
learning 3922
education 3421
teacher 2712
engineering 2623
community 2379
university 2068
school 2062
experience 2030
undergraduate 2018
faculty 1931
career 1816
practice 1742
professional 1680
field 1638
college 1588
technology 1549
provide 1493
group 1439
knowledge 1439

Cluster 3:
model 3347

learning 2867
application 2481
problem 2409
method 2128
algorithm 2000
theory 1964
design 1765
technique 1597
tool 1520
analysis 1477
approach 1378
machine 1370
network 1340
technology 1316
work 1303
information 1292
goal 1209
software 1184
understanding 1136

Cluster 4:

social 2576
model 2520
network 2460
community 2230
health 2084
technology 1675
public 1591
disease 1534
provide 1490
information 1461
understanding 1434
pandemic 1409
change 1385
risk 1327
human 1323
work 1313
approach 1293
method 1240
policy 1205
analysis 1201