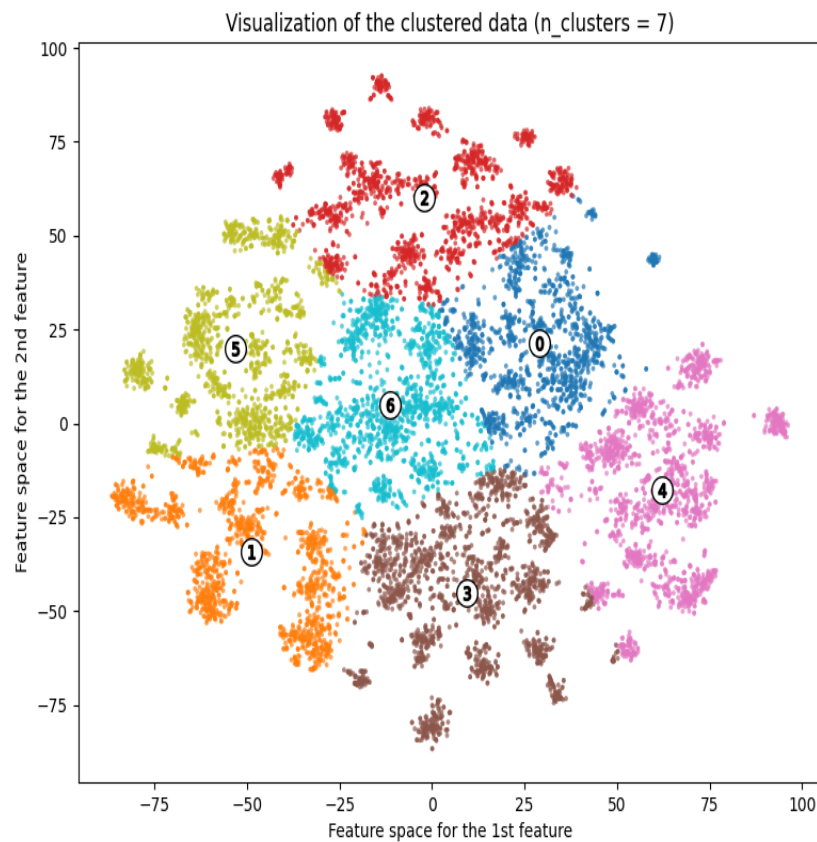


Alternative with 7 clusters:



Cluster 0:

social 2310  
community 2070  
model 1876  
change 1589  
health 1477  
public 1355  
understanding 1250  
policy 1138  
pandemic 1123  
risk 1106  
information 1089  
behavior 1075  
human 1035  
response 1033  
provide 992  
work 969  
disease 916  
individual 915

analysis 903

people 876

Cluster 1:

quantum 3411

theory 1780

material 1705

model 1657

physic 1517

field 1388

energy 1375

problem 1293

pi 1203

property 1193

understanding 1190

structure 1151

group 1136

application 1114

particle 1047

flow 1039

wave 1034

method 1033

equation 940

work 887

Cluster 2:

change 2129

water 2092

plant 2009

model 1941

specie 1812

protein 1791

ocean 1748

understanding 1687

community 1608

climate 1508

process 1462

provide 1312

cell 1195

carbon 1161

undergraduate 1136

gene 1134

soil 1085

used 1074

training 1009

result 995

Cluster 3:

learning 2992

model 2890  
network 2704  
application 2078  
algorithm 1892  
method 1685  
design 1576  
problem 1542  
computing 1399  
technology 1395  
machine 1346  
information 1309  
technique 1306  
approach 1229  
tool 1219  
software 1188  
analysis 1160  
human 1145  
language 1143  
user 1128

Cluster 4:

stem 5719  
learning 3794  
education 3188  
teacher 2695  
engineering 2559  
community 2249  
school 1992  
undergraduate 1958  
experience 1947  
university 1933  
faculty 1847  
career 1739  
practice 1689  
professional 1575  
technology 1562  
field 1555  
college 1455  
provide 1432  
conference 1408  
group 1398

Cluster 5:

material 3819  
process 1541  
chemical 1492  
property 1465  
structure 1382

understanding 1315  
model 1299  
energy 1237  
used 1183  
chemistry 1169  
surface 1160  
high 1086  
university 1086  
polymer 1081  
undergraduate 1053  
design 999  
provide 963  
method 899  
application 888  
reaction 871

Cluster 6:

cell 2448  
technology 2106  
device 1300  
proposed 1286  
phase 1218  
material 1190  
potential 1155  
small 1136  
process 1107  
patient 1106  
manufacturing 1098  
model 1092  
innovation 1065  
design 1039  
business 957  
method 938  
provide 914  
approach 904  
novel 897  
tissue 878