|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Feature | Code | Loading | Feature | Code | Loading |
| Cluster 1 | 41071 | 0.987649 | **Cluster 35** | 40391 | -0.27284 |
|  | 4111 | -0.03133 |  | 28521 | 0.946241 |
|  | 41401 | -0.1515 |  | 5856 | -0.17374 |
|  | 412 | -0.02484 | **Cluster 36** | 2749 | 1 |
| Cluster 2 | 4275 | 0.582019 | **Cluster 37** | 99811 | -0.0068 |
|  | 78551 | -0.44269 |  | 5781 | 0.998986 |
|  | 42741 | 0.431277 |  | 2851 | -0.04433 |
|  | 41011 | -0.52847 |  | 5789 | -0.00382 |
| Cluster 3 | 5849 | 0.619386 | **Cluster 38** | 4275 | 0.115276 |
|  | 389 | 0.174348 |  | 4254 | 0.405778 |
|  | 5715 | 0.012308 |  | 4271 | 0.889961 |
|  | 2859 | 0.209532 |  | 78551 | 0.096811 |
|  | 2767 | 0.083437 |  | 42741 | 0.08542 |
|  | 5070 | 0.140489 |  | 41011 | 0.11557 |
|  | 5990 | 0.258476 | **Cluster 39** | 41071 | -0.03053 |
|  | 486 | 0.156754 |  | 4280 | 0.562293 |
|  | 2875 | 0.104969 |  | 4019 | -0.23384 |
|  | 99592 | 0.201554 |  | 9971 | 0.167463 |
|  | 70703 | 0.029552 |  | 4111 | -0.03849 |
|  | 40390 | 0.221549 |  | 41401 | -0.1861 |
|  | 7054 | 0.014936 |  | 25000 | -0.08294 |
|  | 5712 | 0.014706 |  | 2720 | -0.06179 |
|  | 2761 | 0.092376 |  | 2724 | -0.09216 |
|  | 414 | 0.039594 |  | 42731 | 0.718894 |
|  | 28529 | 0.037477 |  | 412 | -0.03052 |
|  | 7895 | 0.003976 |  | 4139 | -0.02101 |
|  | 5859 | 0.220481 |  | 4240 | 0.136515 |
|  | 2762 | 0.170761 |  | 42823 | 0.044895 |
|  | 51881 | 0.428181 |  | 42832 | 0.049307 |
|  | 27651 | 0.044878 |  | 42833 | 0.044416 |
|  | 2760 | 0.102225 |  | 42822 | 0.040338 |
|  | 34982 | 0.032988 | **Cluster 40** | 78551 | 0.766577 |
|  | 5845 | 0.074267 |  | 41011 | -0.64215 |
|  | 4104 | 0.016783 | **Cluster 41** | 60000 | 1 |
|  | 78791 | 0.043434 | **Cluster 42** | 41071 | -0.006 |
|  | 5853 | 0.033321 |  | 4280 | -0.01397 |
|  | 78552 | 0.155631 |  | 4019 | -0.04592 |
|  | 5723 | 0.012563 |  | 9971 | -0.00416 |
|  | 570 | 0.017952 |  | 4111 | -0.00756 |
|  | 845 | 0.034811 |  | 41401 | -0.03654 |
|  | 5722 | 0.005929 |  | 25000 | -0.01629 |
|  | 78959 | 0.007644 |  | 2720 | -0.01213 |
|  | 99731 | 0.028372 |  | 2724 | -0.0181 |
| Cluster 4 | 2639 | 1 |  | 42731 | -0.01786 |
| Cluster 5 | 4280 | 0.781905 |  | 4241 | 0.991112 |
|  | 9971 | -0.13857 |  | 412 | -0.00599 |
|  | 42731 | -0.59486 |  | 4139 | -0.00412 |
|  | 42823 | 0.062429 |  | 4412 | 0.113224 |
|  | 42832 | 0.068564 |  | 4240 | -0.00339 |
|  | 42833 | 0.061763 |  | 42823 | -0.00112 |
|  | 42822 | 0.056092 |  | 42832 | -0.00122 |
| Cluster 6 | 78559 | 1 |  | 42833 | -0.0011 |
| Cluster 7 | 389 | 0.825133 |  | 42822 | -0.001 |
|  | 99592 | -0.44715 | **Cluster 43** | 41041 | 1 |
|  | 78552 | -0.34527 | **Cluster 44** | 41071 | -0.00777 |
| Cluster 8 | 6826 | 0.971345 |  | 4280 | -0.01811 |
|  | 99859 | -0.23767 |  | 4019 | -0.05954 |
| Cluster 9 | 4275 | -0.05118 |  | 9971 | -0.00539 |
|  | 4254 | 0.913972 |  | 4111 | -0.0098 |
|  | 4271 | -0.39512 |  | 41401 | -0.04738 |
|  | 78551 | -0.04298 |  | 25000 | -0.02112 |
|  | 42741 | -0.03792 |  | 2720 | -0.01573 |
|  | 41011 | -0.05131 |  | 2724 | -0.02347 |
| Cluster 10 | 7907 | 0.928026 |  | 42731 | -0.02315 |
|  | 4111 | 0.255649 |  | 4241 | -0.0063 |
|  | 99662 | 0.270945 |  | 53081 | 0.995866 |
| Cluster 11 | 2763 | 1 |  | 412 | -0.00777 |
| Cluster 12 | 5715 | 0.771729 |  | 4139 | -0.00535 |
|  | 7054 | -0.63595 |  | 4439 | -0.0029 |
| Cluster 13 | 7907 | -0.26558 |  | 43310 | -0.00161 |
|  | 4111 | 0.964088 |  | 4412 | -0.00072 |
| Cluster 14 | 2766 | 1 |  | 4240 | -0.0044 |
| Cluster 15 | 40391 | 0.603802 |  | 42823 | -0.00145 |
|  | 28521 | 0.244696 |  | 42832 | -0.00159 |
|  | 5856 | 0.384474 |  | 42833 | -0.00143 |
|  | 25060 | -0.38503 |  | 42822 | -0.0013 |
|  | 3572 | -0.47091 | **Cluster 45** | 5939 | 1 |
|  | 25040 | 0.160214 | **Cluster 46** | 4111 | -0.03211 |
|  | 36201 | -0.17905 |  | 41401 | -0.15527 |
| Cluster 16 | 5849 | -0.13301 |  | 412 | 0.98735 |
|  | 389 | -0.03744 | **Cluster 47** | 496 | 1 |
|  | 5715 | -0.00264 | **Cluster 48** | 5849 | -0.115 |
|  | 2859 | 0.977755 |  | 389 | -0.03237 |
|  | 2767 | -0.01792 |  | 2767 | -0.01549 |
|  | 5070 | -0.03017 |  | 5070 | -0.02608 |
|  | 5990 | -0.05551 |  | 486 | 0.985554 |
|  | 486 | -0.03366 |  | 99592 | -0.03742 |
|  | 2875 | -0.02254 |  | 40390 | -0.04114 |
|  | 99592 | -0.04328 |  | 5859 | -0.04094 |
|  | 40390 | -0.04758 |  | 2762 | -0.03171 |
|  | 7054 | -0.00321 |  | 51881 | -0.0795 |
|  | 5712 | -0.00316 |  | 2760 | -0.01898 |
|  | 2761 | -0.01984 |  | 5845 | -0.01379 |
|  | 414 | -0.0085 |  | 78552 | -0.0289 |
|  | 28529 | -0.00805 |  | 570 | -0.00333 |
|  | 7895 | -0.00085 | **Cluster 49** | 27801 | 0.955885 |
|  | 5859 | -0.04735 |  | 32723 | -0.29374 |
|  | 2762 | -0.03667 | **Cluster 50** | 4538 | 0.968105 |
|  | 51881 | -0.09195 |  | 41519 | -0.25055 |
|  | 27651 | -0.00964 | **Cluster 51** | 4928 | 1 |
|  | 2760 | -0.02195 | **Cluster 52** | 49390 | 1 |
|  | 34982 | -0.00708 | **Cluster 53** | 4260 | 1 |
|  | 5845 | -0.01595 | **Cluster 54** | 5849 | -0.07826 |
|  | 4104 | -0.0036 |  | 389 | -0.02203 |
|  | 78791 | -0.00933 |  | 5715 | 0.112166 |
|  | 5853 | -0.00716 |  | 2767 | -0.01054 |
|  | 78552 | -0.03342 |  | 5070 | -0.01775 |
|  | 5723 | -0.0027 |  | 486 | -0.01981 |
|  | 570 | -0.00386 |  | 2875 | 0.95659 |
|  | 5722 | -0.00127 |  | 99592 | -0.02547 |
|  | 78959 | -0.00164 |  | 40390 | -0.02799 |
|  | 99731 | -0.00609 |  | 7054 | 0.136114 |
| Cluster 17 | 5849 | -0.06237 |  | 5712 | 0.13402 |
|  | 389 | -0.01756 |  | 7895 | 0.036235 |
|  | 2767 | 0.995808 |  | 5859 | -0.02786 |
|  | 5070 | -0.01415 |  | 2762 | -0.02157 |
|  | 99592 | -0.0203 |  | 51881 | -0.0541 |
|  | 40390 | -0.02231 |  | 2760 | -0.01292 |
|  | 5859 | -0.0222 |  | 5845 | -0.00938 |
|  | 2762 | -0.0172 |  | 78552 | -0.01966 |
|  | 51881 | -0.04312 |  | 5723 | 0.114487 |
|  | 2760 | -0.01029 |  | 570 | -0.00227 |
|  | 5845 | -0.00748 |  | 5722 | 0.054028 |
|  | 78552 | -0.01567 |  | 78959 | 0.06966 |
|  | 570 | -0.00181 | **Cluster 55** | 42732 | 1 |
| Cluster 18 | 389 | -0.08497 | **Cluster 56** | 71590 | 1 |
|  | 5070 | 0.966353 | **Cluster 57** | 2449 | 1 |
|  | 99592 | -0.09822 | **Cluster 58** | 3051 | 1 |
|  | 51881 | -0.20867 | **Cluster 59** | 42789 | 1 |
|  | 78552 | -0.07584 | **Cluster 60** | 99811 | 0.150874 |
| Cluster 19 | 431 | 0.793526 |  | 5781 | 0.045013 |
|  | 3485 | 0.460546 |  | 2851 | 0.983874 |
|  | 3314 | 0.110852 |  | 5789 | 0.084866 |
|  | 430 | 0.233013 | **Cluster 61** | 389 | 0.458303 |
|  | 7843 | 0.13298 |  | 99592 | 0.52982 |
|  | 3484 | 0.179319 |  | 51881 | -0.58471 |
|  | 43411 | 0.175243 |  | 78552 | 0.409103 |
|  | 34290 | 0.105272 | **Cluster 62** | 9974 | 0.787389 |
| Cluster 20 | 2765 | 1 |  | 5601 | -0.61646 |
| Cluster 21 | 41071 | 0.08523 | **Cluster 63** | 6826 | 0.091556 |
|  | 4280 | 0.19854 |  | 9974 | 0.568882 |
|  | 4019 | 0.65273 |  | 5601 | 0.726623 |
|  | 9971 | 0.05913 |  | 99859 | 0.374178 |
|  | 4111 | 0.107432 | **Cluster 64** | 41400 | 1 |
|  | 41401 | 0.519455 | **Cluster 65** | 9982 | 1 |
|  | 25000 | 0.231523 | **Cluster 66** | 5849 | -0.01833 |
|  | 2720 | 0.172463 |  | 389 | -0.00516 |
|  | 2724 | 0.257258 |  | 5715 | -0.00036 |
|  | 42731 | 0.253834 |  | 2859 | -0.0062 |
|  | 4241 | 0.069053 |  | 2767 | -0.00247 |
|  | 53081 | 0.09084 |  | 5070 | -0.00416 |
|  | 412 | 0.085182 |  | 5990 | -0.00765 |
|  | 4139 | 0.058635 |  | 486 | -0.00464 |
|  | 4439 | 0.03184 |  | 2875 | -0.00311 |
|  | 43310 | 0.017699 |  | 99592 | -0.00597 |
|  | 4412 | 0.007889 |  | 70703 | 0.999563 |
|  | 4240 | 0.048202 |  | 40390 | -0.00656 |
|  | 42823 | 0.015852 |  | 7054 | -0.00044 |
|  | 42832 | 0.01741 |  | 5712 | -0.00044 |
|  | 42833 | 0.015683 |  | 2761 | -0.00273 |
|  | 42822 | 0.014243 |  | 414 | -0.00117 |
| Cluster 22 | 9971 | 0.973925 |  | 28529 | -0.00111 |
|  | 42731 | -0.22687 |  | 7895 | -0.00012 |
| Cluster 23 | 99811 | 0.988446 |  | 5859 | -0.00653 |
|  | 2851 | -0.15157 |  | 2762 | -0.00505 |
| Cluster 24 | 4111 | 0.979276 |  | 51881 | -0.01267 |
|  | 41401 | -0.20253 |  | 27651 | -0.00133 |
| Cluster 25 | 41071 | 0.112445 |  | 2760 | -0.00303 |
|  | 4019 | -0.65818 |  | 34982 | -0.00098 |
|  | 4111 | 0.141735 |  | 5845 | -0.0022 |
|  | 41401 | 0.685319 |  | 4104 | -0.0005 |
|  | 2720 | 0.227532 |  | 78791 | -0.00129 |
|  | 412 | 0.112381 |  | 5853 | -0.00099 |
| Cluster 26 | 41071 | -0.02337 |  | 78552 | -0.00461 |
|  | 4019 | -0.179 |  | 5723 | -0.00037 |
|  | 4111 | -0.02946 |  | 570 | -0.00053 |
|  | 41401 | -0.14245 |  | 5722 | -0.00018 |
|  | 25000 | 0.968758 |  | 78959 | -0.00023 |
|  | 2720 | -0.0473 |  | 99731 | -0.00084 |
|  | 2724 | -0.07055 | **Cluster 67** | 5185 | 1 |
|  | 412 | -0.02336 | **Cluster 68** | 5121 | 1 |
| Cluster 27 | 41071 | -0.04735 |  |  |  |
|  | 4111 | -0.05969 |  |  |  |
|  | 41401 | -0.28861 |  |  |  |
|  | 2720 | 0.953237 |  |  |  |
|  | 412 | -0.04733 |  |  |  |
| Cluster 28 | 41071 | -0.02796 |  |  |  |
|  | 4019 | -0.21416 |  |  |  |
|  | 4111 | -0.03525 |  |  |  |
|  | 41401 | -0.17043 |  |  |  |
|  | 2720 | -0.05658 |  |  |  |
|  | 2724 | 0.958687 |  |  |  |
|  | 412 | -0.02795 |  |  |  |
| Cluster 29 | 45829 | 1 |  |  |  |
| Cluster 30 | 78057 | 1 |  |  |  |
| Cluster 31 | 78039 | 0.970349 |  |  |  |
|  | 30390 | 0.061941 |  |  |  |
|  | 30391 | 0.14623 |  |  |  |
|  | 29181 | 0.18222 |  |  |  |
| Cluster 32 | 2948 | 1 |  |  |  |
| Cluster 33 | 73300 | 1 |  |  |  |
| Cluster 34 | 5849 | -0.17989 |  |  |  |
|  | 389 | -0.05064 |  |  |  |
|  | 5715 | -0.00357 |  |  |  |
|  | 2767 | -0.02423 |  |  |  |
|  | 5070 | -0.0408 |  |  |  |
|  | 5990 | 0.949619 |  |  |  |
|  | 486 | -0.04553 |  |  |  |
|  | 2875 | -0.03049 |  |  |  |
|  | 99592 | -0.05854 |  |  |  |
|  | 40390 | -0.06435 |  |  |  |
|  | 7054 | -0.00434 |  |  |  |
|  | 5712 | -0.00427 |  |  |  |
|  | 414 | 0.145464 |  |  |  |
|  | 7895 | -0.00115 |  |  |  |
|  | 5859 | -0.06404 |  |  |  |
|  | 2762 | -0.0496 |  |  |  |
|  | 51881 | -0.12436 |  |  |  |
|  | 2760 | -0.02969 |  |  |  |
|  | 5845 | -0.02157 |  |  |  |
|  | 4104 | 0.061658 |  |  |  |
|  | 78552 | -0.0452 |  |  |  |
|  | 5723 | -0.00365 |  |  |  |
|  | 570 | -0.00521 |  |  |  |
|  | 5722 | -0.00172 |  |  |  |
|  | 78959 | -0.00222 |  |  |  |