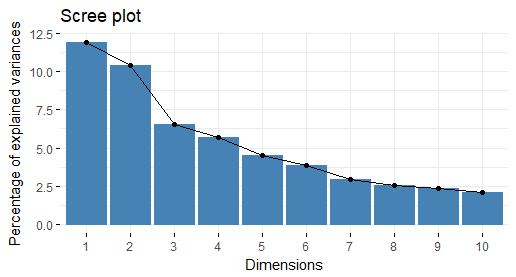
Given data cluster

Crohn's Disease Normal Ulcerative Ulcerative Colitis

59 41 1 25

Scale=TRUE



Importance of components:

PC1 PC2 PC3 PC4 PC5 PC6 PC7 PC8 PC9

Standard deviation 6.0668 5.6699 4.48633 4.20087 3.72550 3.44066 3.02250 2.82012 2.71369

Proportion of Variance 0.1191 0.1040 0.06514 0.05711 0.04492 0.03831 0.02956 0.02574 0.02383

Cumulative Proportion 0.1191 0.2231 0.28829 0.34540 0.39032 0.42863 0.45819 0.48393 0.50776

PC10 PC11 PC12 PC13 PC14 PC15 PC16 PC17 PC18

Standard deviation 2.56177 2.35994 2.21770 2.20878 2.14678 2.0428 1.98835 1.9650 1.92336

Proportion of Variance 0.02124 0.01802 0.01592 0.01579 0.01491 0.0135 0.01279 0.0125 0.01197

Cumulative Proportion 0.52900 0.54702 0.56294 0.57873 0.59364 0.6071 0.61994 0.6324 0.64441

PC19 PC20 PC21 PC22 PC23 PC24 PC25 PC26 PC27

Standard deviation 1.86765 1.82239 1.78215 1.73415 1.69070 1.61426 1.61158 1.59284 1.5625

Proportion of Variance 0.01129 0.01075 0.01028 0.00973 0.00925 0.00843 0.00841 0.00821 0.0079

Cumulative Proportion 0.65570 0.66645 0.67673 0.68646 0.69571 0.70414 0.71255 0.72076 0.7287

PC28 PC29 PC30 PC31 PC32 PC33 PC34 PC35 PC36

Standard deviation 1.53188 1.51508 1.49305 1.46966 1.44824 1.43719 1.40969 1.40181 1.39278

Proportion of Variance 0.00759 0.00743 0.00721 0.00699 0.00679 0.00668 0.00643 0.00636 0.00628

Cumulative Proportion 0.73625 0.74368 0.75090 0.75789 0.76467 0.77136 0.77779 0.78415 0.79043

PC37 PC38 PC39 PC40 PC41 PC42 PC43 PC44 PC45

Standard deviation 1.3842 1.34636 1.34061 1.29718 1.29074 1.27793 1.26016 1.24709 1.22398

Proportion of Variance 0.0062 0.00587 0.00582 0.00545 0.00539 0.00529 0.00514 0.00503 0.00485

Cumulative Proportion 0.7966 0.80249 0.80831 0.81375 0.81915 0.82443 0.82957 0.83460 0.83945

PC46 PC47 PC48 PC49 PC50 PC51 PC52 PC53 PC54

Standard deviation 1.21676 1.20323 1.19119 1.17715 1.15585 1.13621 1.11745 1.1122 1.09206

Proportion of Variance 0.00479 0.00469 0.00459 0.00448 0.00432 0.00418 0.00404 0.0040 0.00386

Cumulative Proportion 0.84424 0.84893 0.85352 0.85801 0.86233 0.86651 0.87055 0.8746 0.87841

PC55 PC56 PC57 PC58 PC59 PC60 PC61 PC62 PC63

Standard deviation 1.07602 1.06180 1.04848 1.03881 1.02873 1.00637 0.99238 0.98682 0.9792

Proportion of Variance 0.00375 0.00365 0.00356 0.00349 0.00342 0.00328 0.00319 0.00315 0.0031

Cumulative Proportion 0.88216 0.88581 0.88936 0.89286 0.89628 0.89956 0.90275 0.90590 0.9090

PC64 PC65 PC66 PC67 PC68 PC69 PC70 PC71 PC72

Standard deviation 0.96960 0.96063 0.95426 0.93363 0.91898 0.91212 0.89979 0.88923 0.87381

Proportion of Variance 0.00304 0.00299 0.00295 0.00282 0.00273 0.00269 0.00262 0.00256 0.00247

Cumulative Proportion 0.91204 0.91503 0.91798 0.92080 0.92353 0.92622 0.92884 0.93140 0.93387

PC73 PC74 PC75 PC76 PC77 PC78 PC79 PC80 PC81

Standard deviation 0.86879 0.85428 0.85018 0.83474 0.82236 0.80259 0.79552 0.78014 0.77198

Proportion of Variance 0.00244 0.00236 0.00234 0.00225 0.00219 0.00208 0.00205 0.00197 0.00193

Cumulative Proportion 0.93632 0.93868 0.94102 0.94327 0.94546 0.94754 0.94959 0.95156 0.95349

PC82 PC83 PC84 PC85 PC86 PC87 PC88 PC89 PC90

Standard deviation 0.75585 0.75432 0.74009 0.73295 0.72960 0.71569 0.70816 0.7038 0.69951

Proportion of Variance 0.00185 0.00184 0.00177 0.00174 0.00172 0.00166 0.00162 0.0016 0.00158

Cumulative Proportion 0.95534 0.95718 0.95895 0.96069 0.96241 0.96407 0.96570 0.9673 0.96888

PC91 PC92 PC93 PC94 PC95 PC96 PC97 PC98 PC99

Standard deviation 0.69149 0.67444 0.66197 0.65923 0.65387 0.63575 0.63021 0.6090 0.60239

Proportion of Variance 0.00155 0.00147 0.00142 0.00141 0.00138 0.00131 0.00129 0.0012 0.00117

Cumulative Proportion 0.97043 0.97190 0.97332 0.97473 0.97611 0.97742 0.97870 0.9799 0.98108

PC100 PC101 PC102 PC103 PC104 PC105 PC106 PC107 PC108

Standard deviation 0.59022 0.58060 0.57597 0.5565 0.5563 0.55004 0.54147 0.5262 0.51874

Proportion of Variance 0.00113 0.00109 0.00107 0.0010 0.0010 0.00098 0.00095 0.0009 0.00087

Cumulative Proportion 0.98221 0.98330 0.98437 0.9854 0.9864 0.98735 0.98830 0.9892 0.99007

PC109 PC110 PC111 PC112 PC113 PC114 PC115 PC116 PC117

Standard deviation 0.51030 0.50295 0.49029 0.47341 0.46743 0.45378 0.44160 0.4312 0.42379

Proportion of Variance 0.00084 0.00082 0.00078 0.00073 0.00071 0.00067 0.00063 0.0006 0.00058

Cumulative Proportion 0.99091 0.99173 0.99251 0.99323 0.99394 0.99461 0.99524 0.9958 0.99642

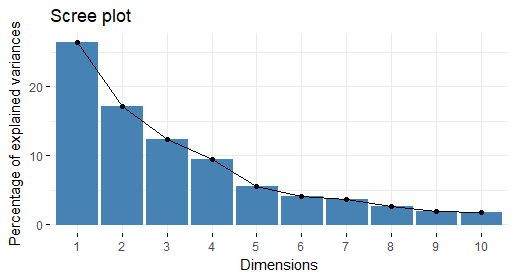
PC118 PC119 PC120 PC121 PC122 PC123 PC124 PC125 PC126

Standard deviation 0.41058 0.39695 0.3912 0.38568 0.37559 0.3499 0.33825 0.31653 2.694e-15

Proportion of Variance 0.00055 0.00051 0.0005 0.00048 0.00046 0.0004 0.00037 0.00032 0.000e+00

Cumulative Proportion 0.99697 0.99748 0.9980 0.99845 0.99891 0.9993 0.99968 1.00000 1.000e+00

Scale=False



Importance of components:

PC1 PC2 PC3 PC4 PC5 PC6 PC7

Standard deviation 1799.9028 1447.4779 1226.9968 1.078e+03 822.32585 711.2380 672.75421

Proportion of Variance 0.2645 0.1711 0.1229 9.491e-02 0.05521 0.0413 0.03695

Cumulative Proportion 0.2645 0.4356 0.5585 6.534e-01 0.70861 0.7499 0.78686

PC8 PC9 PC10 PC11 PC12 PC13 PC14

Standard deviation 572.32566 486.01802 464.2342 454.71082 427.98339 411.87913 369.25265

Proportion of Variance 0.02674 0.01929 0.0176 0.01688 0.01496 0.01385 0.01113

Cumulative Proportion 0.81361 0.83289 0.8505 0.86737 0.88233 0.89618 0.90731

PC15 PC16 PC17 PC18 PC19 PC20 PC21

Standard deviation 334.70964 301.89235 288.92992 269.36092 262.91739 253.78648 233.76328

Proportion of Variance 0.00915 0.00744 0.00682 0.00592 0.00564 0.00526 0.00446

Cumulative Proportion 0.91645 0.92390 0.93071 0.93664 0.94228 0.94754 0.95200

PC22 PC23 PC24 PC25 PC26 PC27 PC28

Standard deviation 225.02558 208.44840 193.45543 190.43641 178.5894 169.96683 162.97697

Proportion of Variance 0.00413 0.00355 0.00306 0.00296 0.0026 0.00236 0.00217

Cumulative Proportion 0.95613 0.95968 0.96274 0.96570 0.9683 0.97066 0.97283

PC29 PC30 PC31 PC32 PC33 PC34 PC35

Standard deviation 154.80964 147.45198 137.59499 135.08916 126.52256 122.72940 119.12225

Proportion of Variance 0.00196 0.00178 0.00155 0.00149 0.00131 0.00123 0.00116

Cumulative Proportion 0.97479 0.97656 0.97811 0.97960 0.98090 0.98213 0.98329

PC36 PC37 PC38 PC39 PC40 PC41 PC42

Standard deviation 116.98184 111.99034 105.60256 101.64745 95.02471 93.81321 87.66304

Proportion of Variance 0.00112 0.00102 0.00091 0.00084 0.00074 0.00072 0.00063

Cumulative Proportion 0.98441 0.98543 0.98634 0.98719 0.98793 0.98864 0.98927

PC43 PC44 PC45 PC46 PC47 PC48 PC49 PC50

Standard deviation 86.45274 84.53125 79.71872 77.15229 74.92259 73.35065 72.37512 67.91253

Proportion of Variance 0.00061 0.00058 0.00052 0.00049 0.00046 0.00044 0.00043 0.00038

Cumulative Proportion 0.98988 0.99046 0.99098 0.99147 0.99193 0.99237 0.99279 0.99317

PC51 PC52 PC53 PC54 PC55 PC56 PC57 PC58

Standard deviation 66.26523 64.58729 63.43839 62.21987 60.2038 57.80753 56.28950 54.30421

Proportion of Variance 0.00036 0.00034 0.00033 0.00032 0.0003 0.00027 0.00026 0.00024

Cumulative Proportion 0.99353 0.99387 0.99420 0.99452 0.9948 0.99508 0.99534 0.99558

PC59 PC60 PC61 PC62 PC63 PC64 PC65 PC66

Standard deviation 53.86999 52.55344 51.23366 48.60584 47.33341 46.37229 44.86015 43.81098

Proportion of Variance 0.00024 0.00023 0.00021 0.00019 0.00018 0.00018 0.00016 0.00016

Cumulative Proportion 0.99582 0.99605 0.99626 0.99645 0.99664 0.99681 0.99698 0.99713

PC67 PC68 PC69 PC70 PC71 PC72 PC73 PC74

Standard deviation 42.30603 41.25526 40.52962 39.35704 37.90343 37.33282 36.46149 35.6016

Proportion of Variance 0.00015 0.00014 0.00013 0.00013 0.00012 0.00011 0.00011 0.0001

Cumulative Proportion 0.99728 0.99742 0.99755 0.99768 0.99780 0.99791 0.99802 0.9981

PC75 PC76 PC77 PC78 PC79 PC80 PC81 PC82

Standard deviation 34.7175 34.1367 32.11720 31.60961 31.16291 30.43490 30.20275 29.05602

Proportion of Variance 0.0001 0.0001 0.00008 0.00008 0.00008 0.00008 0.00007 0.00007

Cumulative Proportion 0.9982 0.9983 0.99840 0.99848 0.99856 0.99864 0.99871 0.99878

PC83 PC84 PC85 PC86 PC87 PC88 PC89 PC90

Standard deviation 28.00989 27.75305 27.65958 26.52131 25.67531 25.12845 24.94049 24.38455

Proportion of Variance 0.00006 0.00006 0.00006 0.00006 0.00005 0.00005 0.00005 0.00005

Cumulative Proportion 0.99884 0.99891 0.99897 0.99903 0.99908 0.99913 0.99918 0.99923

PC91 PC92 PC93 PC94 PC95 PC96 PC97 PC98

Standard deviation 23.68899 23.27999 22.83850 22.13279 21.62659 21.16129 20.66896 20.20899

Proportion of Variance 0.00005 0.00004 0.00004 0.00004 0.00004 0.00004 0.00003 0.00003

Cumulative Proportion 0.99928 0.99932 0.99936 0.99940 0.99944 0.99948 0.99951 0.99955

PC99 PC100 PC101 PC102 PC103 PC104 PC105 PC106

Standard deviation 20.02927 19.59379 18.60646 17.88658 17.35712 16.83736 16.58093 16.14612

Proportion of Variance 0.00003 0.00003 0.00003 0.00003 0.00002 0.00002 0.00002 0.00002

Cumulative Proportion 0.99958 0.99961 0.99964 0.99966 0.99969 0.99971 0.99973 0.99976

PC107 PC108 PC109 PC110 PC111 PC112 PC113 PC114

Standard deviation 15.52784 15.20614 14.98108 14.69515 14.03998 13.57113 13.44237 13.03748

Proportion of Variance 0.00002 0.00002 0.00002 0.00002 0.00002 0.00002 0.00001 0.00001

Cumulative Proportion 0.99978 0.99979 0.99981 0.99983 0.99985 0.99986 0.99988 0.99989

PC115 PC116 PC117 PC118 PC119 PC120 PC121 PC122

Standard deviation 12.61543 12.45023 11.79901 11.67543 11.57373 11.41663 10.94415 10.39202

Proportion of Variance 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001

Cumulative Proportion 0.99990 0.99992 0.99993 0.99994 0.99995 0.99996 0.99997 0.99998

PC123 PC124 PC125 PC126

Standard deviation 9.99306 9.27095 8.69512 7.993e-13

Proportion of Variance 0.00001 0.00001 0.00001 0.000e+00

Cumulative Proportion 0.99999 0.99999 1.00000 1.000e+00