

Aluno: Noberto Pires Maciel - 20115014
Professor: Dr. Matheus Giovanni Pires
Disciplina: PGCC015 - Inteligência Computacional
EPC 04 – Mapa de Kohonen

Mapa Auto-organizável 4 x 4 Matriz U:

[[0.00368199 0.00652708 0.0055702 0.00316407] [0.00462754 0.00576754
0.00629575 0.00516265] [0.00718201 0.00539922 0.00628705 0.00623418]
[0.00735103 0.00693433 0.00563715 0.003379]]

Mapa Auto-organizável 6 x 6 Matriz U:

[[0.00492829 0.00557523 0.00499154 0.00428887 0.00578289 0.00733064]
[0.00651822 0.00670387 0.00647793 0.00550092 0.00690512 0.00831837]
[0.00748234 0.0065617 0.00530142 0.00508944 0.00614714 0.00664316]
[0.00791647 0.00649274 0.00591997 0.00639292 0.00513135 0.00533919]
[0.00822945 0.00738639 0.00789259 0.00734242 0.00559555 0.00657809]
[0.00916337 0.00735117 0.00707183 0.00716261 0.00677164 0.00819899]]

Mapa Auto-organizável 8 x 8 Matriz U:

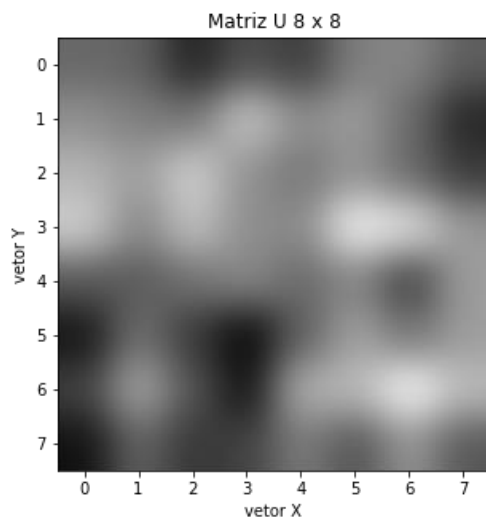
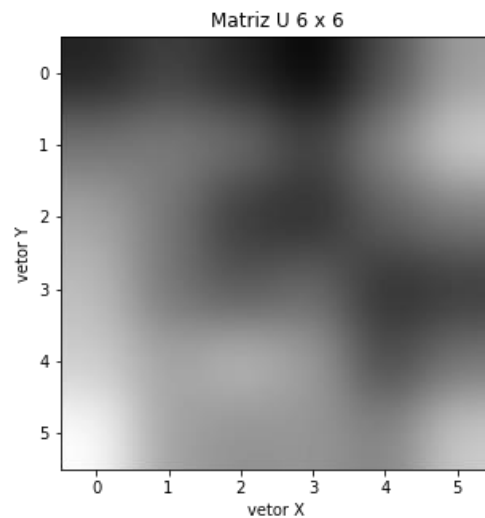
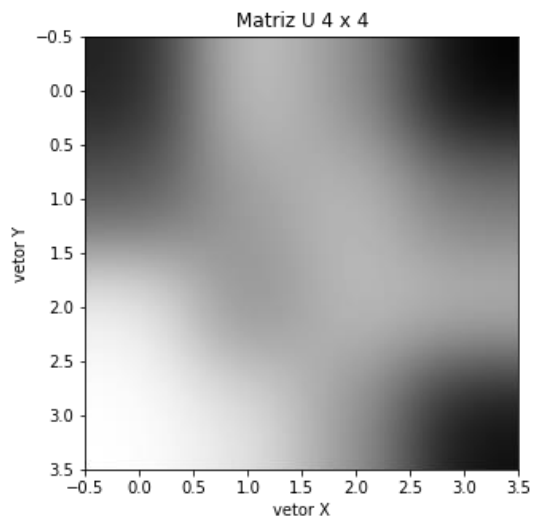
[[0.00601276 0.00594295 0.0046408 0.00555349 0.0051223 0.00648031
0.00663625 0.00584136] [0.00679718 0.00647178 0.00627488 0.00798804
0.00676534 0.00710395 0.00609358 0.00471527] [0.00752012 0.00705178
0.00809778 0.00677466 0.00626735 0.00684731 0.00602666 0.00513061]
[0.00809832 0.00658689 0.00781866 0.0067466 0.0066644 0.00882347
0.00848185 0.00697188] [0.00568473 0.00571243 0.0062088 0.00670984
0.00603572 0.00655354 0.00509196 0.00708091] [0.00432922 0.00625761
0.00508602 0.00401203 0.00580961 0.00720603 0.00622384 0.00703964]
[0.00530761 0.00736399 0.00566763 0.00425666 0.00752971 0.00763556
0.00894606 0.00767009] [0.00430745 0.00595902 0.00503936 0.0053187
0.00640742 0.00556956 0.00690535 0.00567178]]

Aluno: Noberto Pires Maciel - 20115014

Professor: Dr. Matheus Giovanni Pires

Disciplina: PGCC015 - Inteligência Computacional

EPC 04 – Mapa de Kohonen



Aluno: Noberto Pires Maciel - 20115014
Professor: Dr. Matheus Giovanni Pires
Disciplina: PGCC015 - Inteligência Computacional
EPC 04 – Mapa de Kohonen

A clusterização através do k-means com gráfico abaixo foi baseada no gráfico da matriz U 4x4, por apresentar a melhor imagem de classificação.

