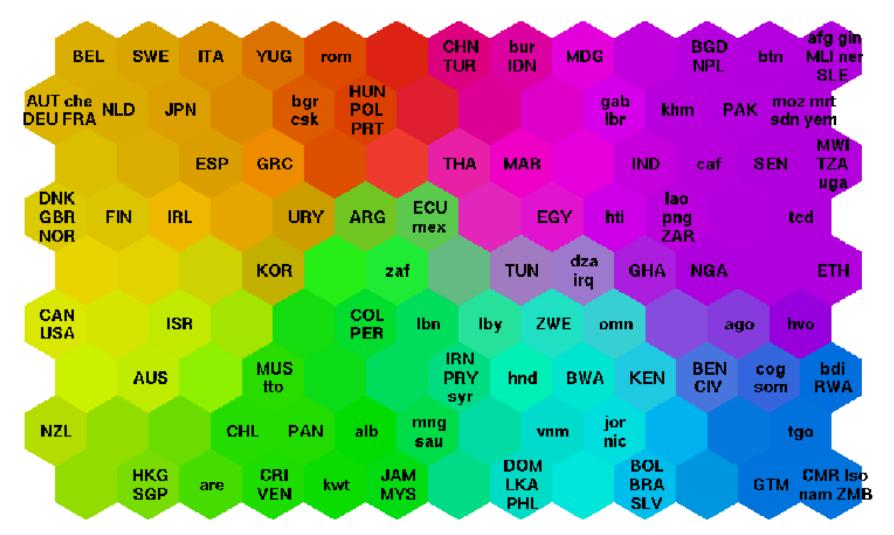
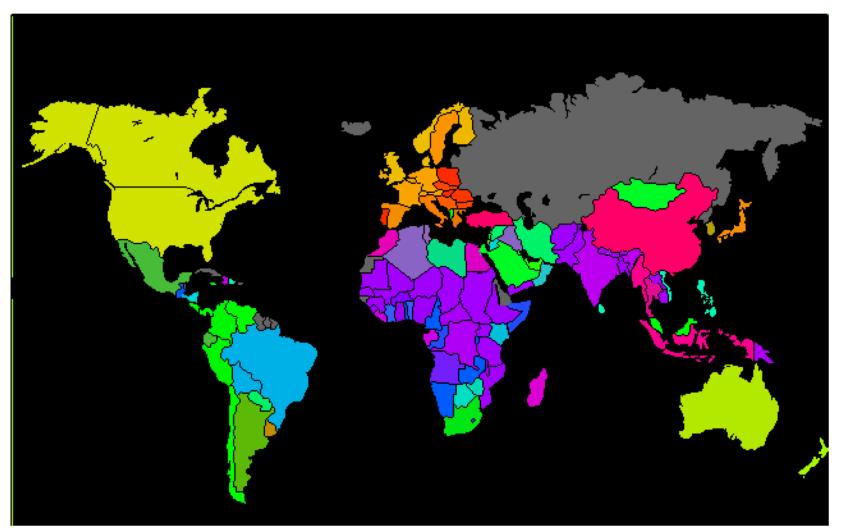
Mapas auto organizáveis Jones Granatyr







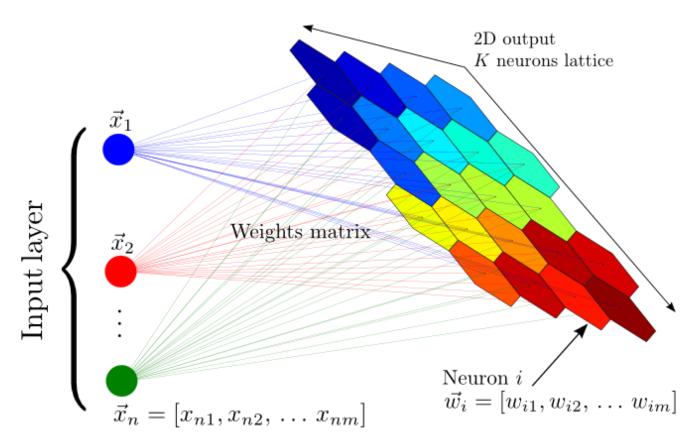
Fonte: http://www.cis.hut.fi/research/som-research/worldmap.html

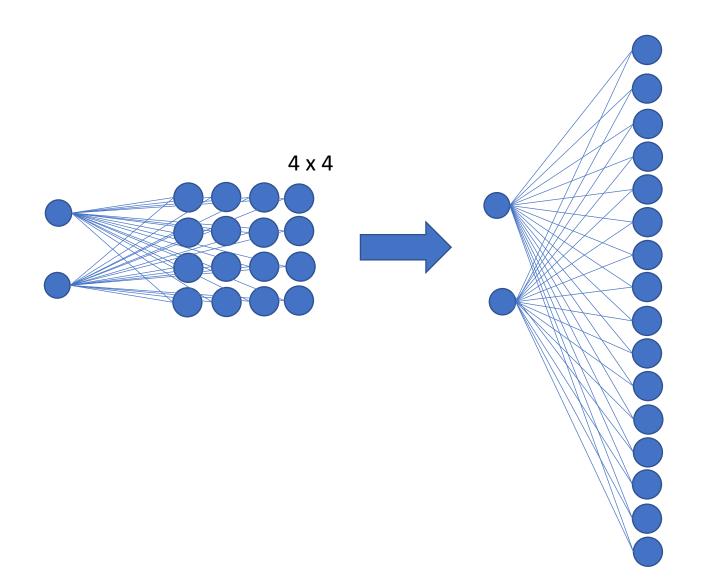
Mapas auto organizáveis

1. Algoritmo para agrupamento que utiliza redes neurais artificiais

2. Pode também ser utilizado para redução de dimensionalidade

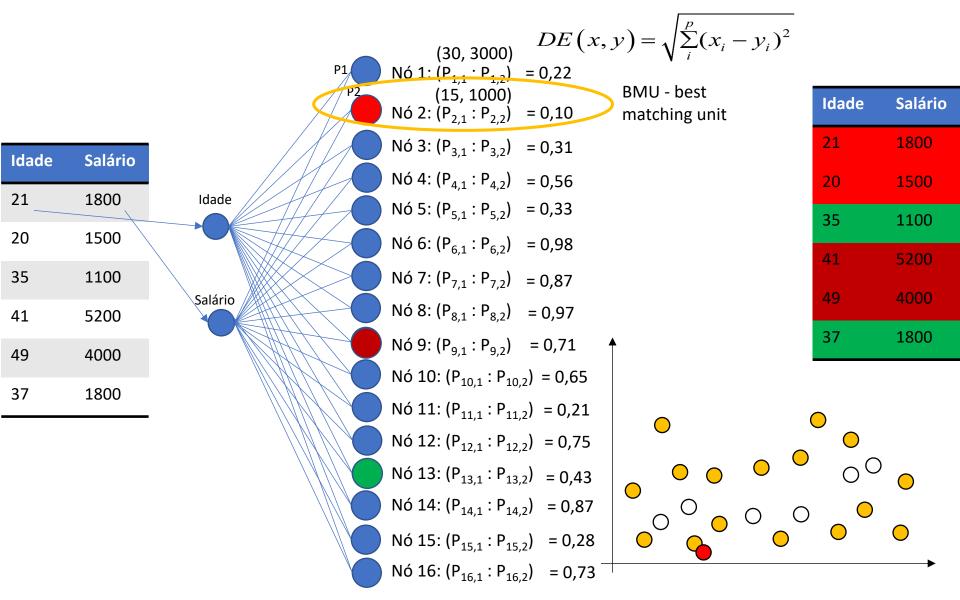
Mapas auto organizáveis

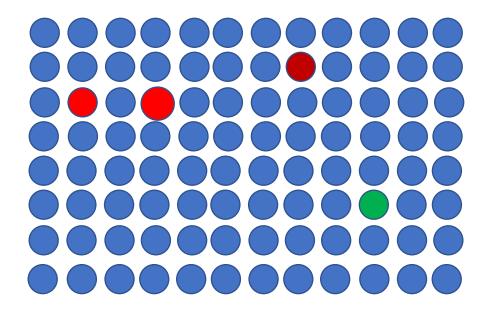


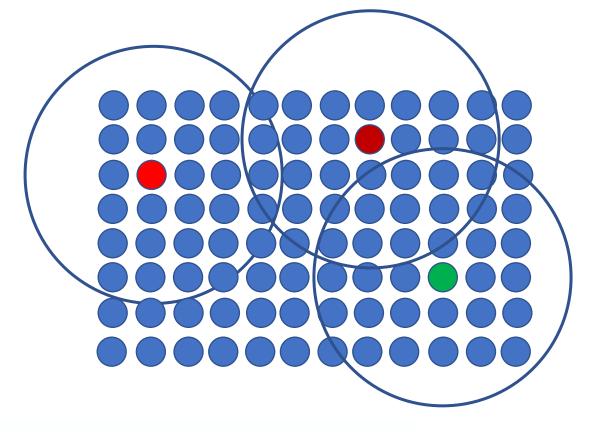


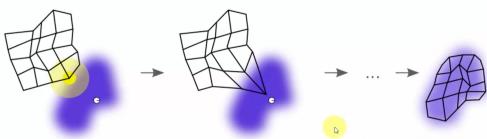
Tamanho do SOM

- $tamanho = 5 \sqrt{N}$
- Base com 178 registros
 - $tamanho = 5\sqrt{178}$
 - $tamanho = 5\sqrt{178}$
 - $tamanho = 5 \times 13,11$
 - $tamanho = 5 \times 13,11$
 - *tamanho* = **65**, **65 células**
- Matriz 8 x 8
- Consultar autor Vesanto



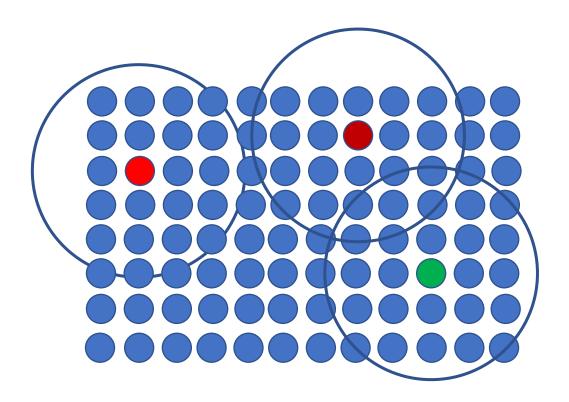


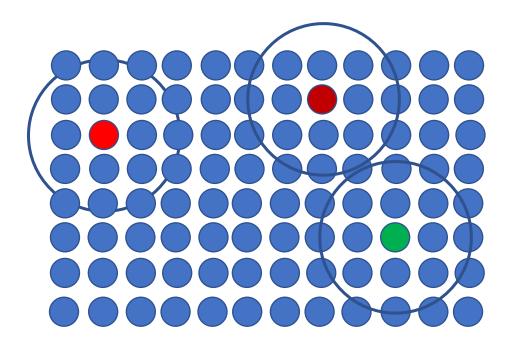


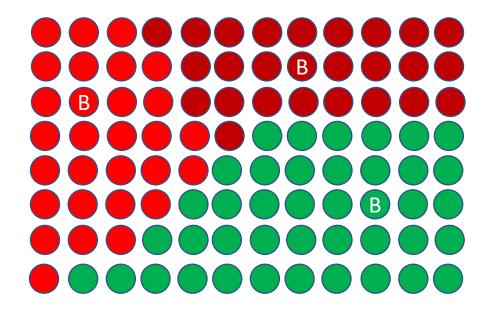


Fonte: https://pt.wikipedia.org/wiki/Mapas_de_Kohonen

Trazer os neurônios mais perto da entrada, pois os neurônios são organizados de acordo com as entradas







Conclusão

