

# Big Data Analytics

DBSCAN

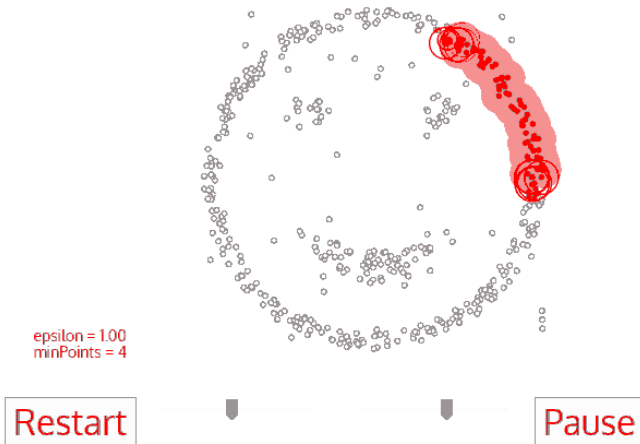
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## Density-Based Spatial Clustering of Applications with Noise...

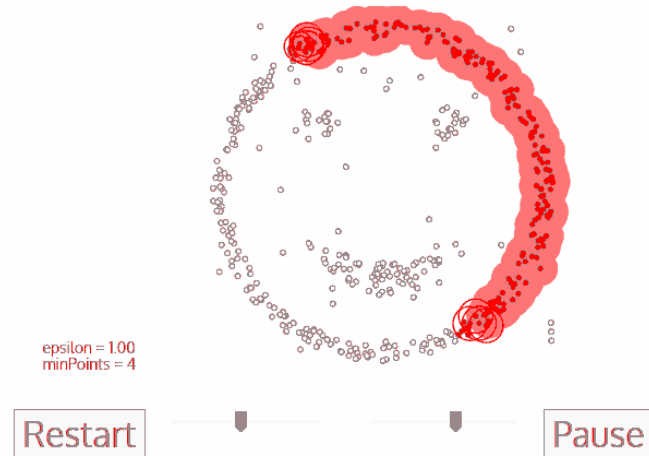
Tant qu'il reste des points non-étiquetés :

1. Prend un point non-étiquetés au hasard et on regarde son voisinage
2. Si (densité  $>$  seuil) alors (Nouveau cluster)
  - 2.1 Expansion du cluster de proche en proche dans le voisinage
3. Sinon (Bruit)

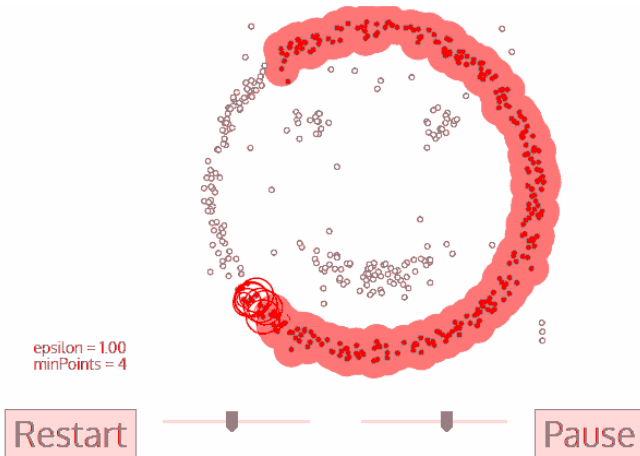
# DBSCAN



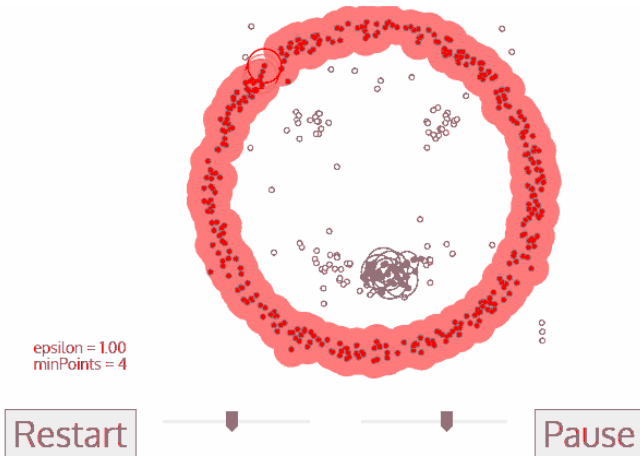
# DBSCAN



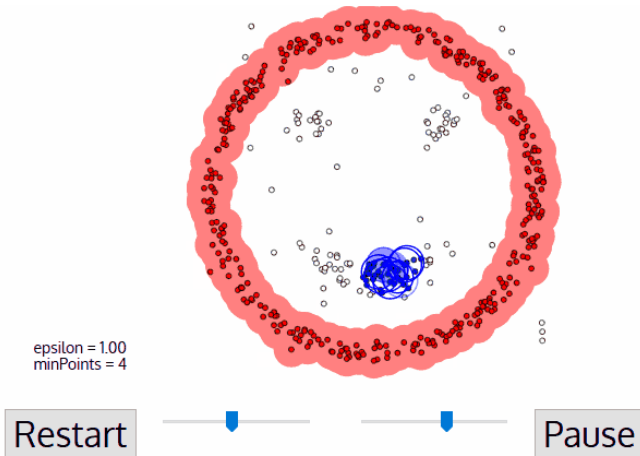
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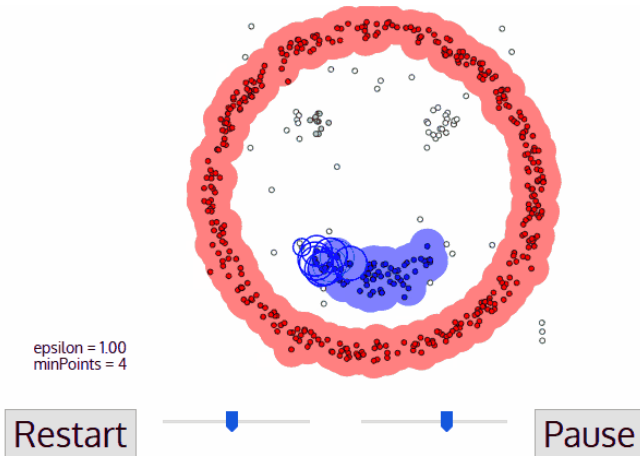
# DBSCAN



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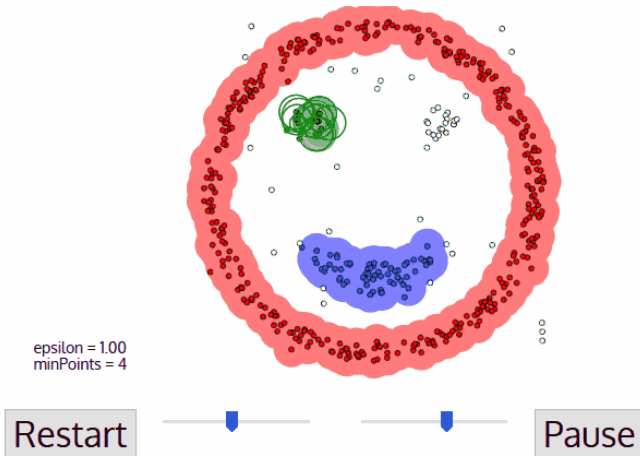


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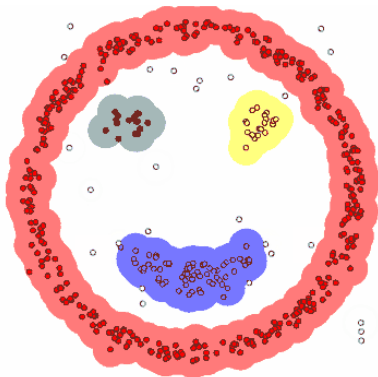




# DBSCAN



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$\epsilon = 1.00$   
 $\text{minPoints} = 4$

Restart

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