

给定如下样本集:

{2,4,8,6,5,3,14,18,16,20,25,26}

已知 $r=2$, $minpts=3$, 根据基于密度聚类算法给出计算过程。

解:

步骤	当前对象	邻域范围	N	新类C	未标记对象
0					2, 4, 8, 6, 5, 3, 14, 18 16, 20, 25, 26,
1	2	[0, 4]	{2, 3, 4, 5, 6, 8}	{2, 3, 4, 5, 6, 8}	14, 16, 20, 25, 26, 18
2	14	[12, 16]		噪音	16, 20, 25, 26, 18
3	18	[16, 20]	{16, 18, 20, 14}	{16, 18, 20}	25, 26
4	25	[23, 27]		噪音	26
5	26	[24, 28]		噪音	结束

聚类结果: {2, 3, 4, 5, 6, 8} {16, 18, 20} 噪音: 14, 25, 26