|  |  |  |
| --- | --- | --- |
| **Individual** | **Variable 1** | **Variable 2** |
| 1 | 1.0 | 1.0 |
| 2 | 1.5 | 2.0 |
| 3 | 3.0 | 4.0 |
| 4 | 5.0 | 7.0 |
| 5 | 3.5 | 5.0 |
| 6 | 4.5 | 5.0 |
| 7 | 3.5 | 4.5 |

|  |  |  |
| --- | --- | --- |
| **Data point** | **Distance values with Centroid 1** | **Distance values with Centroid 2** |
| **(1,1)** | **1.57** | **7.21** |
| **(1.5,2)** | **0.47** | **6.1** |
| **(3,4)** | **2.04** | **1.78** |
| **(5,7)** | **5.64** | **1.84** |
| **(3.5,5)** | **3.15** | **0.73** |
| **(4,5,5)** | **3.78** | **0.54** |
| **(3.5,4.5)** | **2.74** | **1.08** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Data point** | **Distance values with Centroid 1** | **Distance values with Centroid 2** | **Belongs to which group** |
| **(1,1)** | **1.57** | **7.21** | **Group-1** |
| **(1.5,2)** | **0.47** | **6.1** | **Group-1** |
| **(3,4)** | **2.04** | **1.78** | **Group-2** |
| **(5,7)** | **5.64** | **1.84** | **Group-2** |
| **(3.5,5)** | **3.15** | **0.73** | **Group-2** |
| **(4,5,5)** | **3.78** | **0.54** | **Group-2** |
| **(3.5,4.5)** | **2.74** | **1.08** | **Group-2** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Data point** | **Centroid 1** | **Centroid 2:** | **Belongs to which group** |
| **(1,1)** | **0.56** | **7.21** | **Group-1** |
| **(1.5,2)** | **0.56** | **6.1** | **Group-1** |
| **(3,4)** | **3.05** | **1.42** | **Group-2** |
| **(5,7)** | **6.66** | **2.20** | **Group-2** |
| **(3.5,5)** | **4.16** | **0.42** | **Group-2** |
| **(4,5,5)** | **4.78** | **0.61** | **Group-2** |
| **(3.5,4.5)** | **3.75** | **0.72** | **Group-2** |

,(3.9,5.1)

Final two clusters