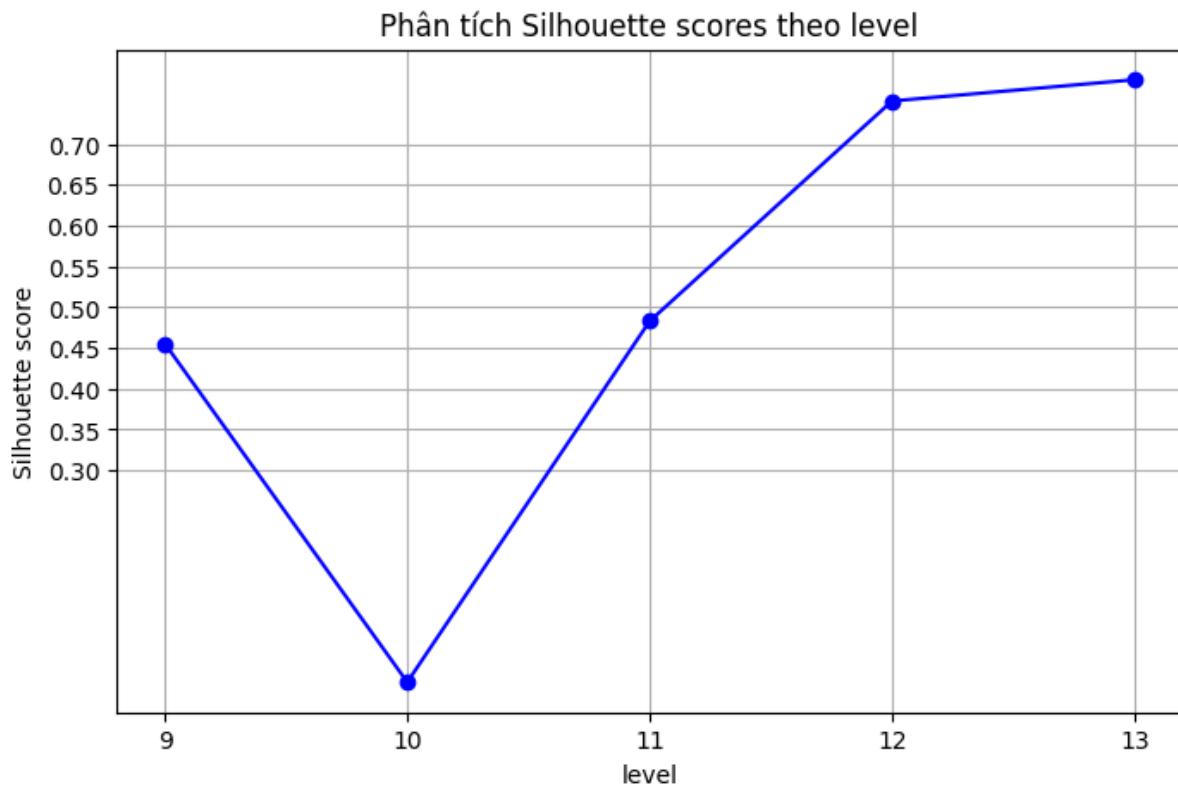


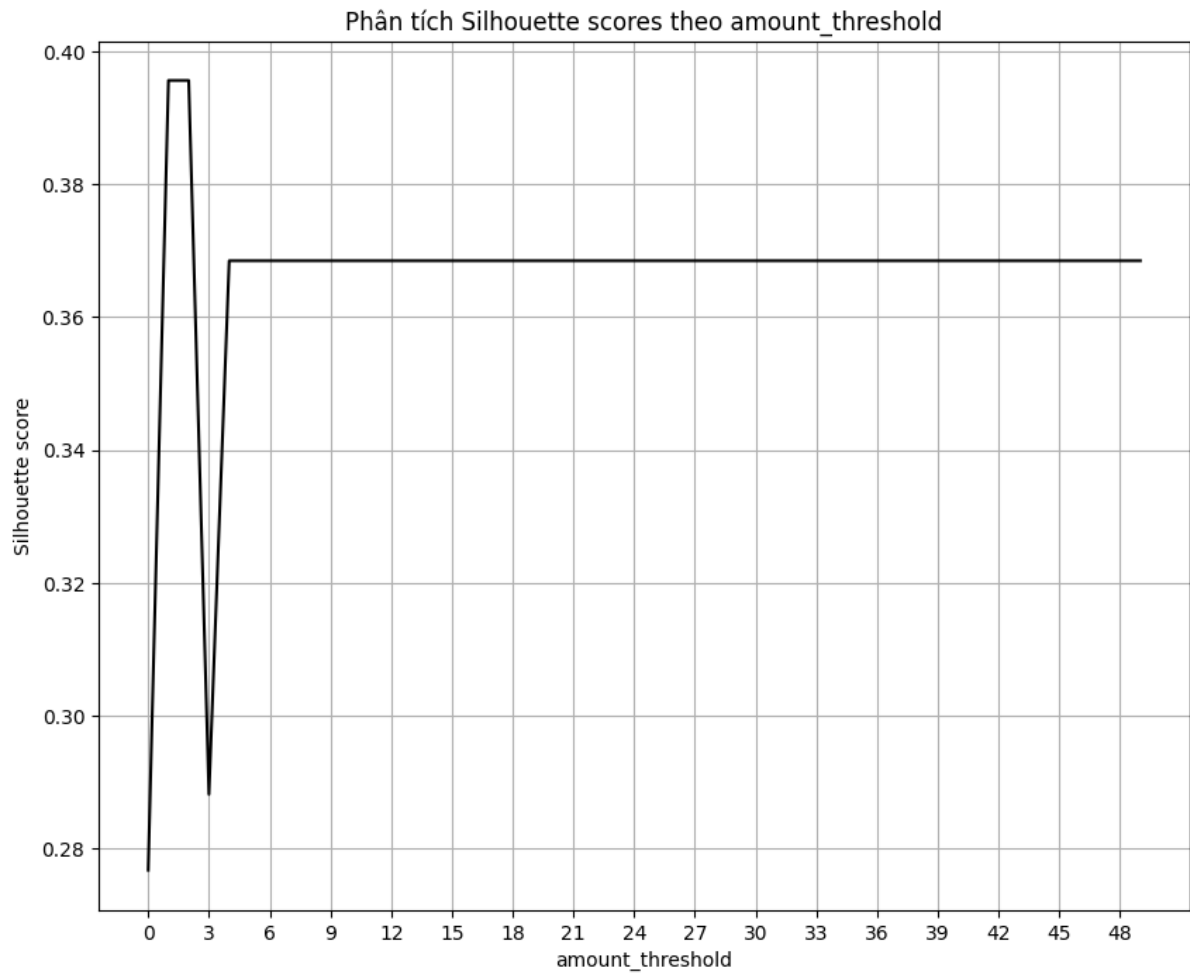
### 1. Link to model

[https://drive.google.com/drive/u/1/folders/14aRcpD5JyHWMvJFQ3ETxPVmXi\\_A3qQAv](https://drive.google.com/drive/u/1/folders/14aRcpD5JyHWMvJFQ3ETxPVmXi_A3qQAv)

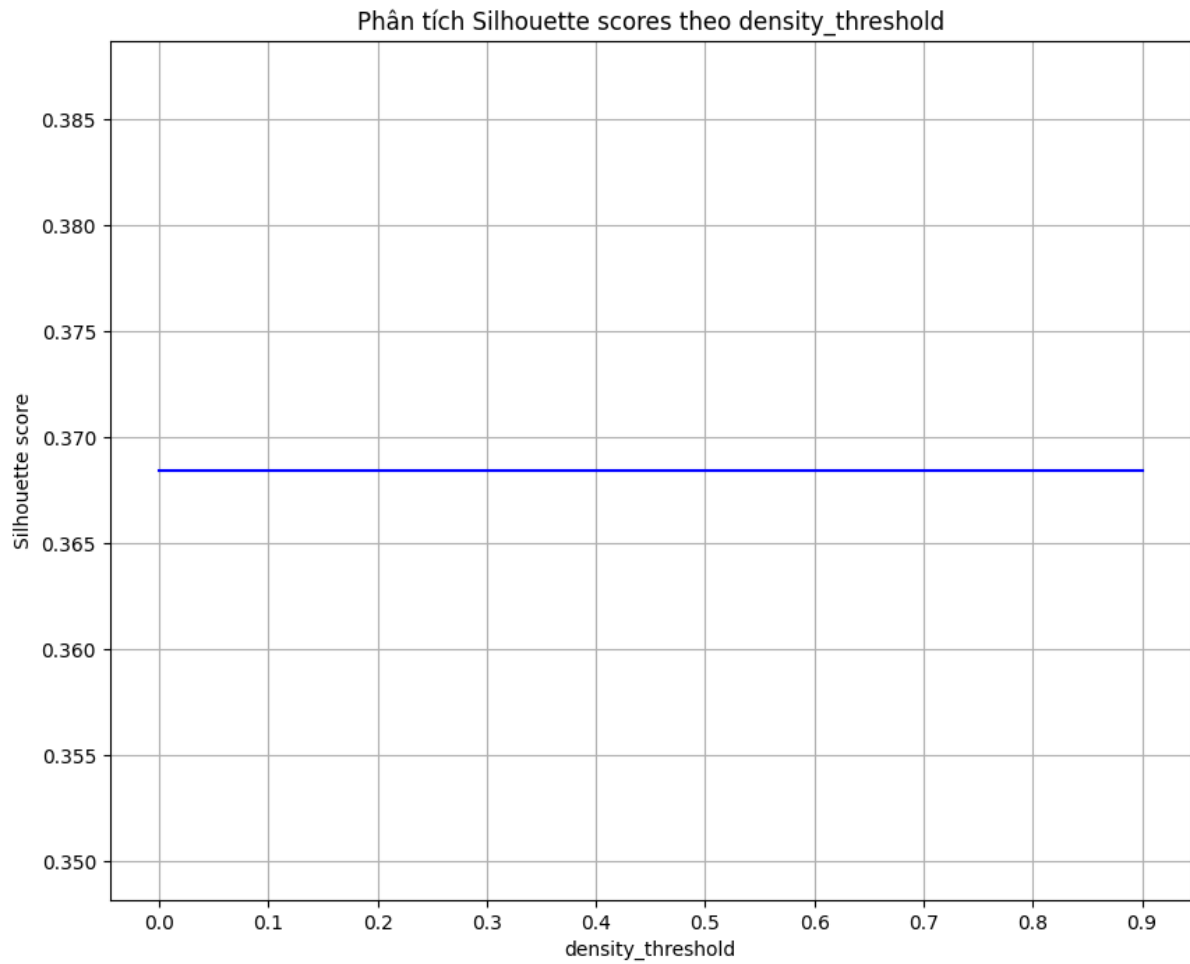
### 2. Tuning “level”



### 3. Tuning “amount\_threshold”



#### 4. Tuning “density\_threshold”



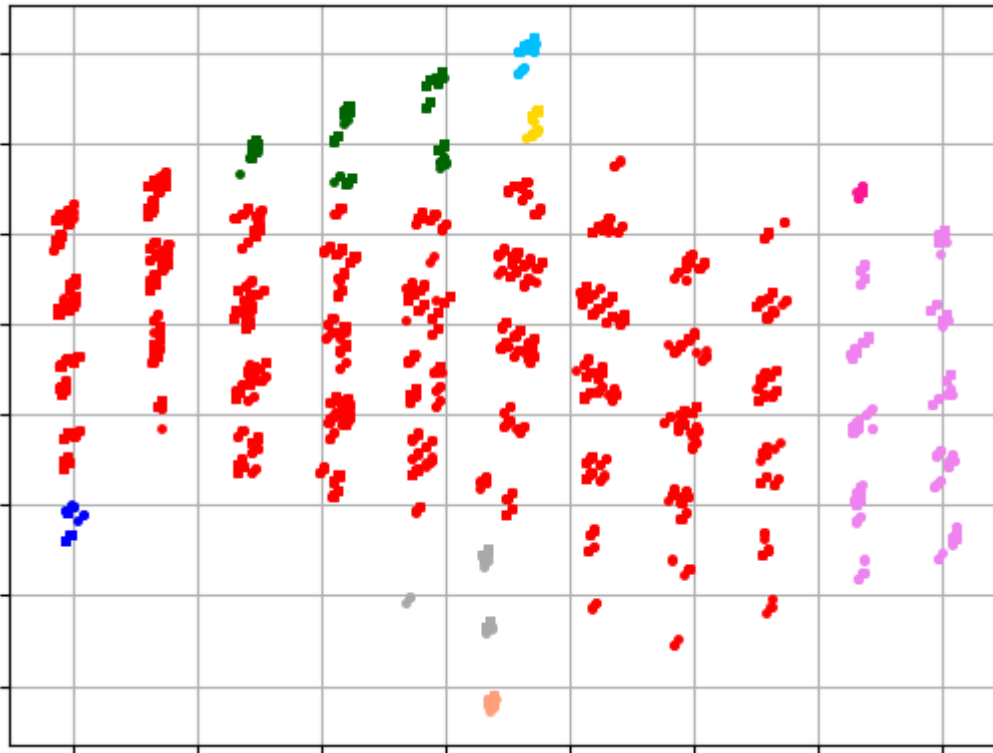
## 5. Chọn giá trị

**default: level = 11**

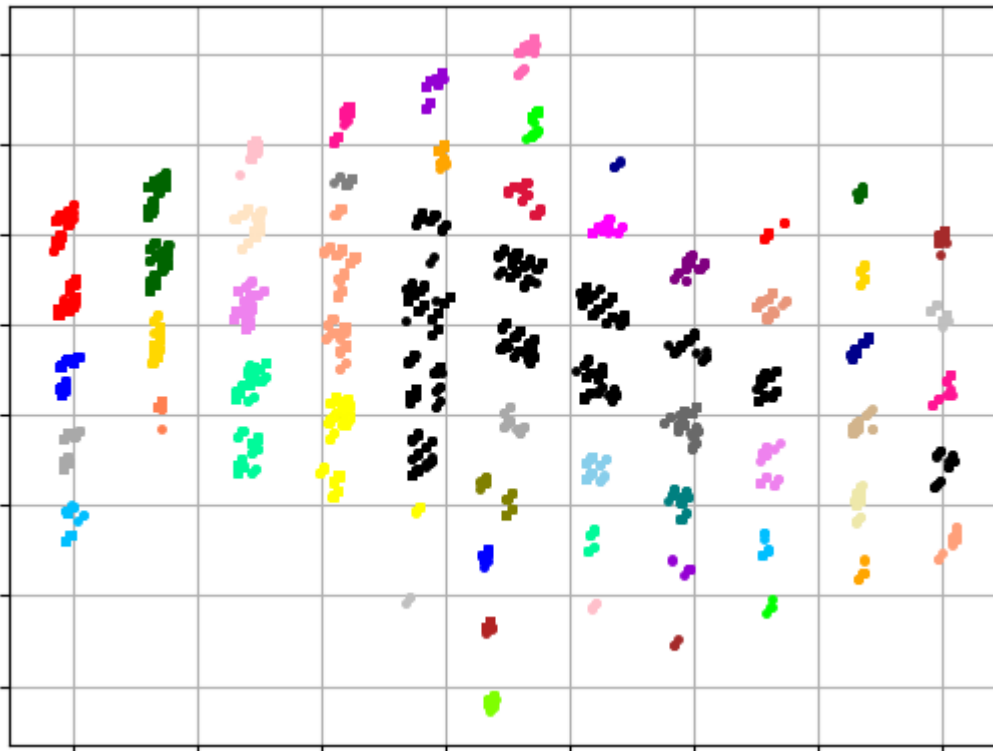
**after tuning: level = 10, amount\_threshold = 2**

levels	amount_threhold	Silhouette_score
10	default	
11	default	<b>0.48289</b>
10	<b>31</b>	<b>0.05</b>
11	<b>31</b>	<b>0.1198</b>
10	<b>2</b>	<b>0.110</b>
11	<b>2</b>	<b>0.30866</b>

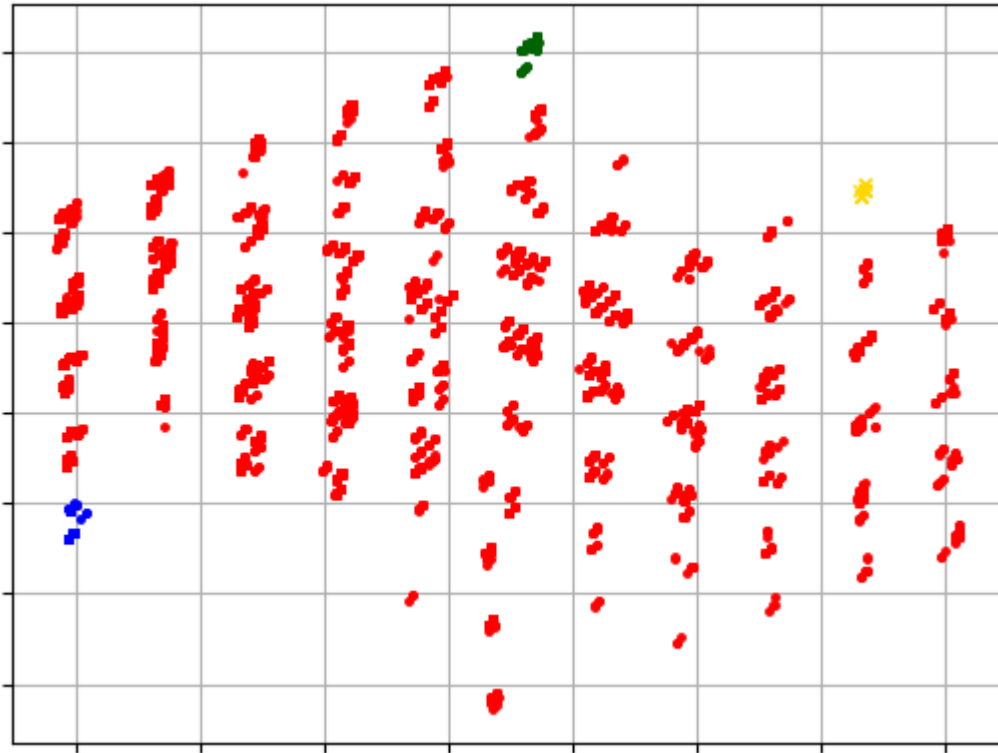
10 - default:



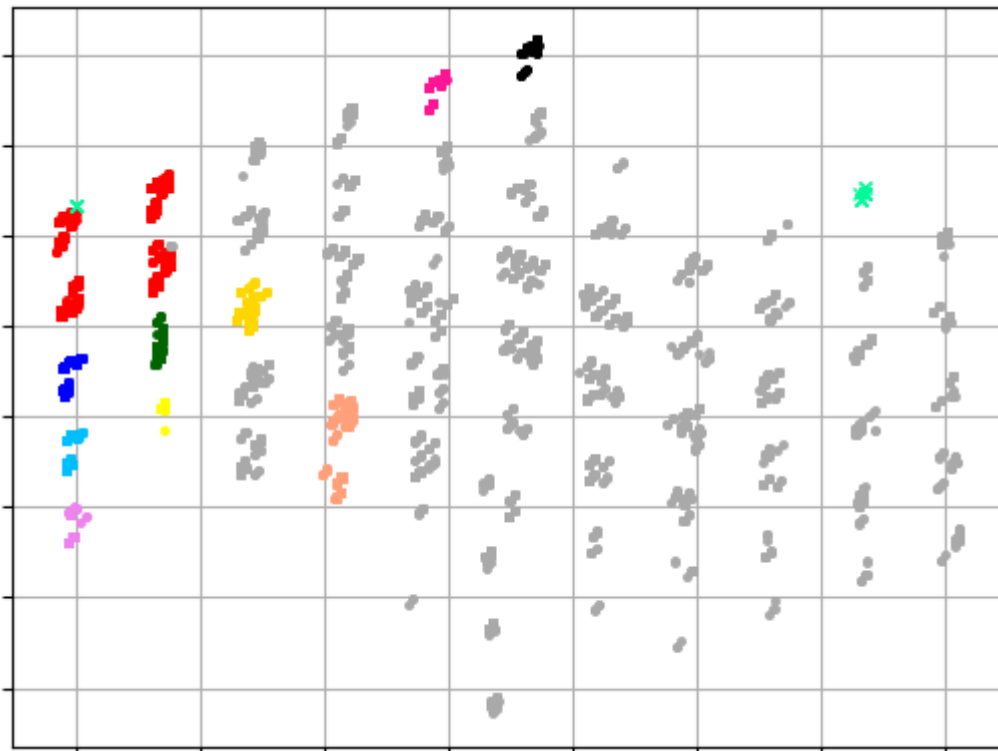
11 - default:



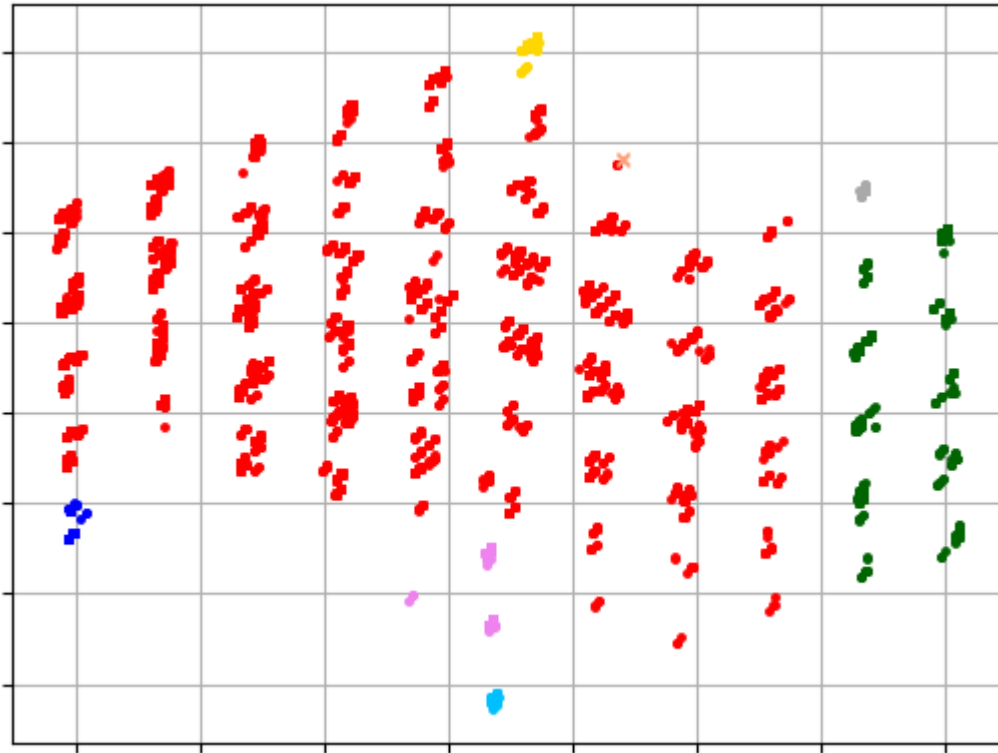
10 - 31:



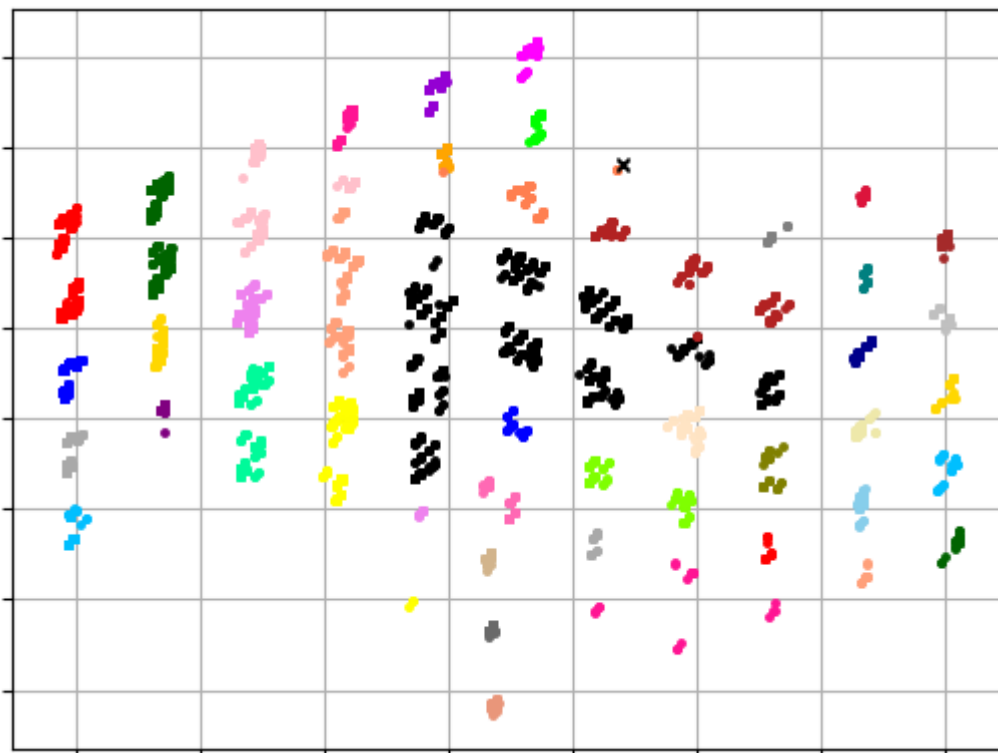
11 - 31:



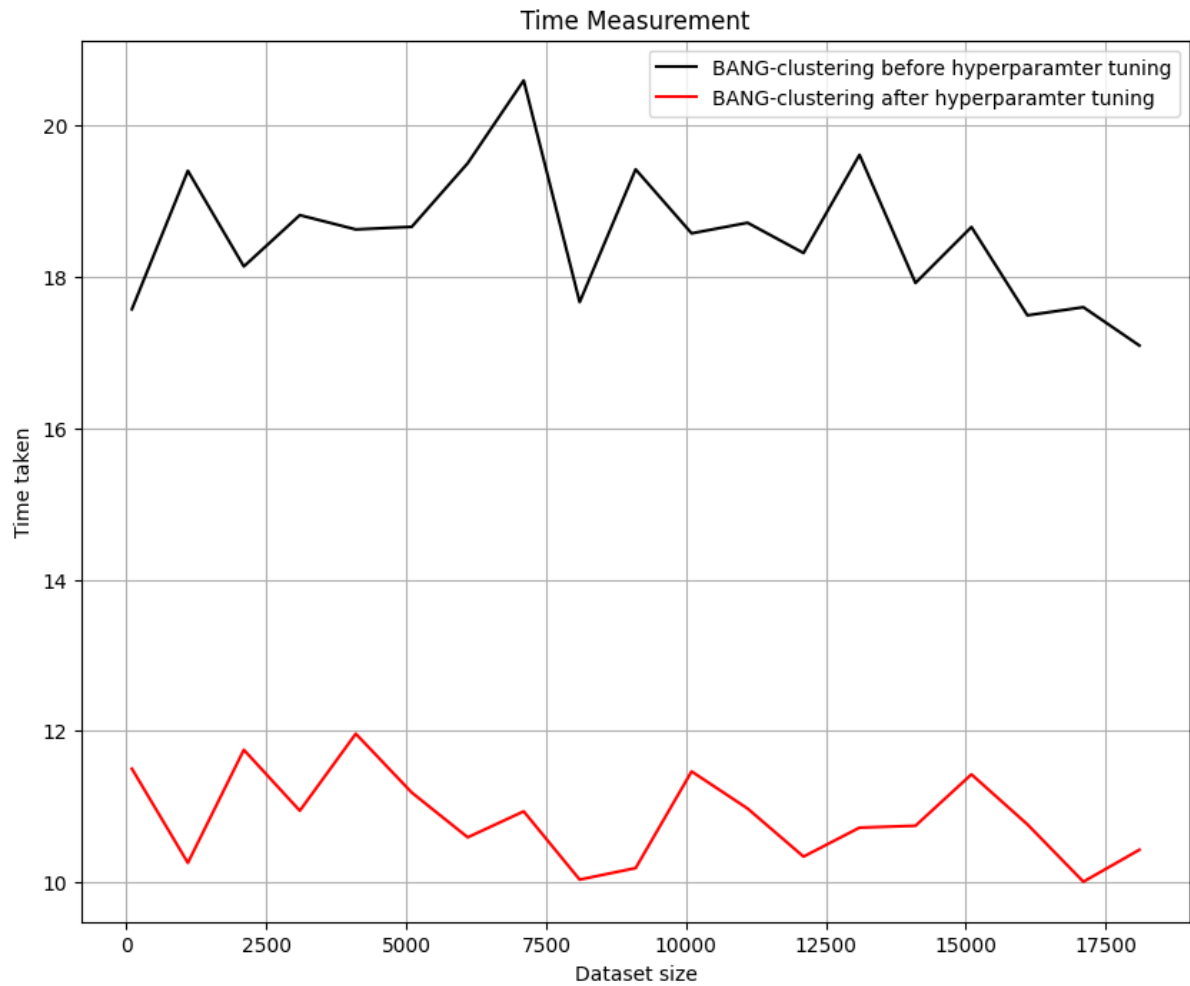
10 - 2:



11 - 2:



## 6. Time Measurement



## 7. Average silhouette score

Before Tuning	0.482
After tuning	0.033