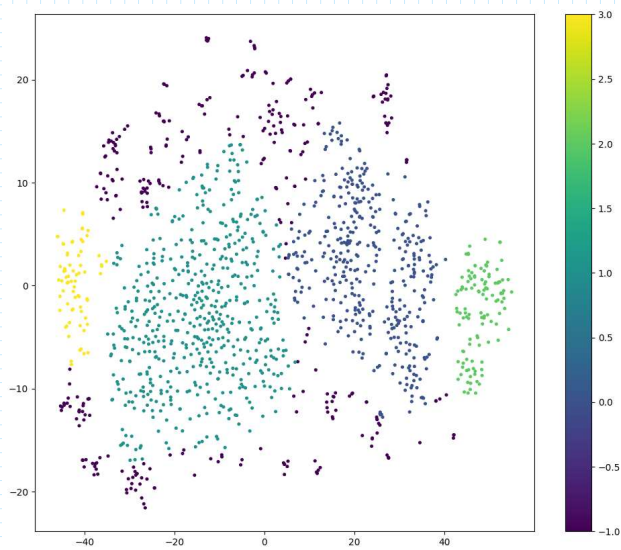
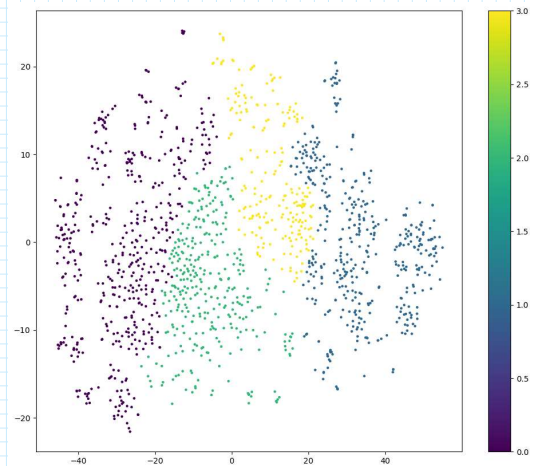
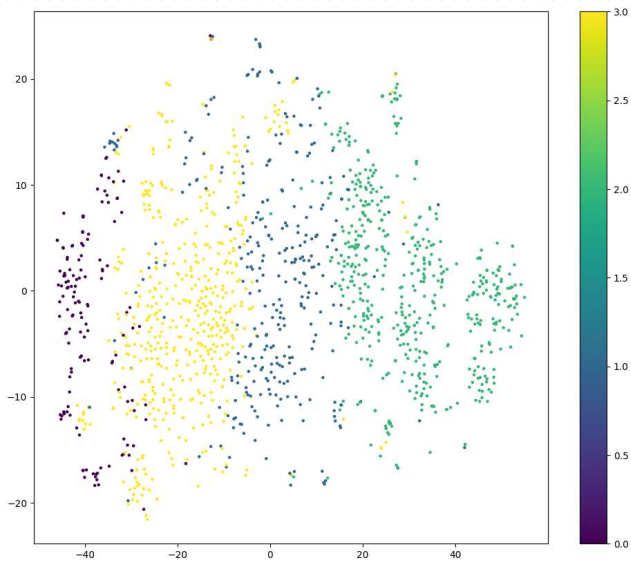
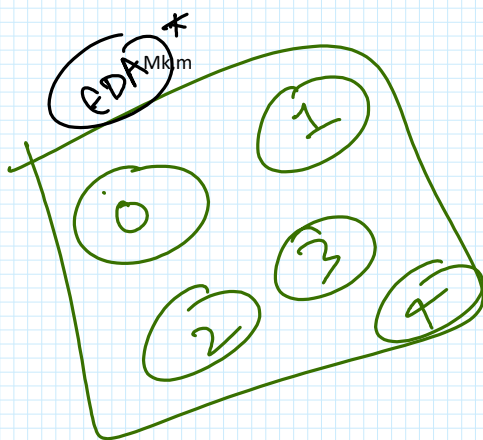
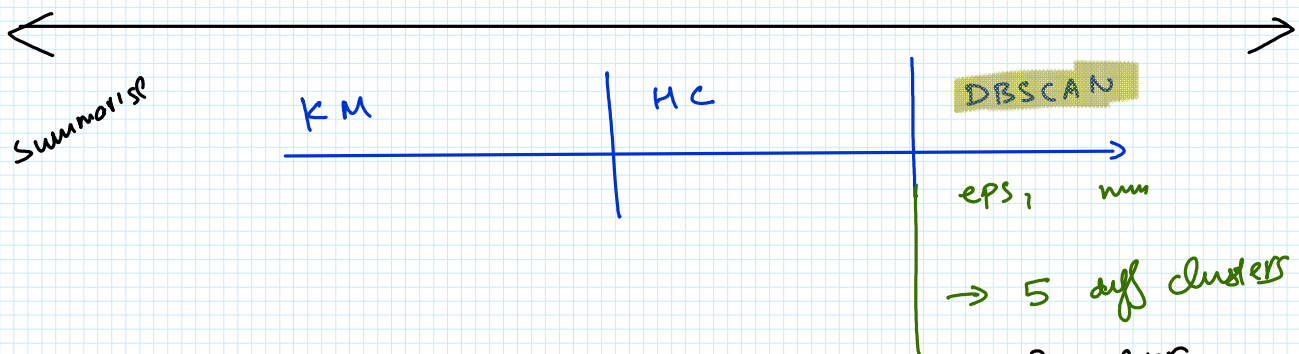
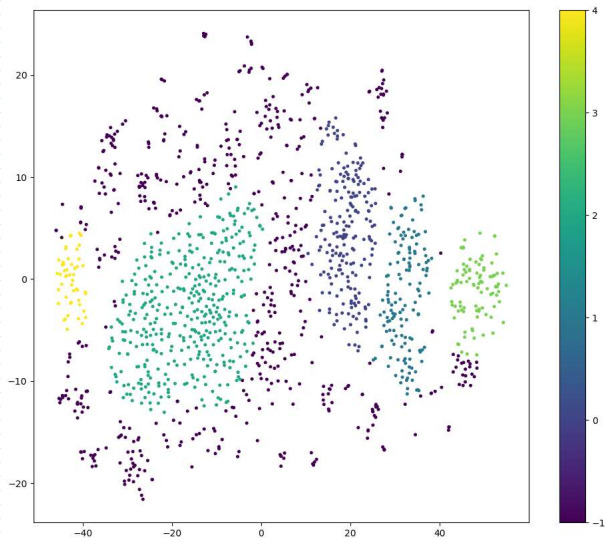


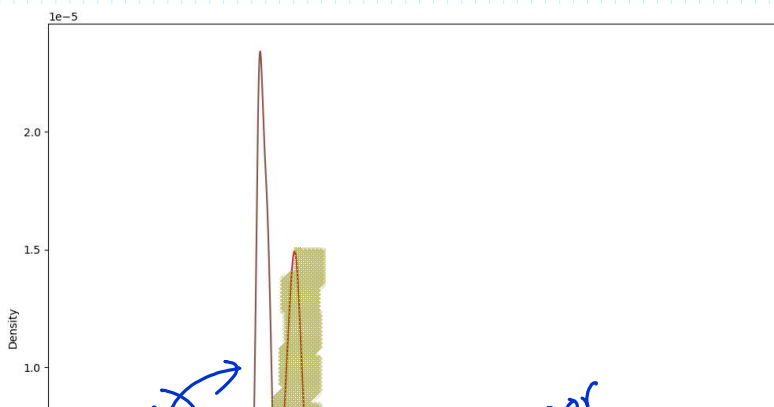
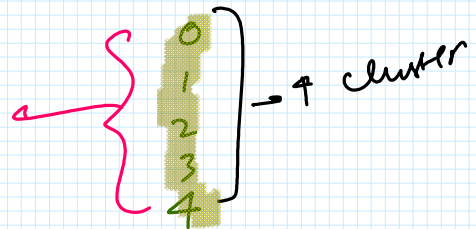
Task 4 clusters

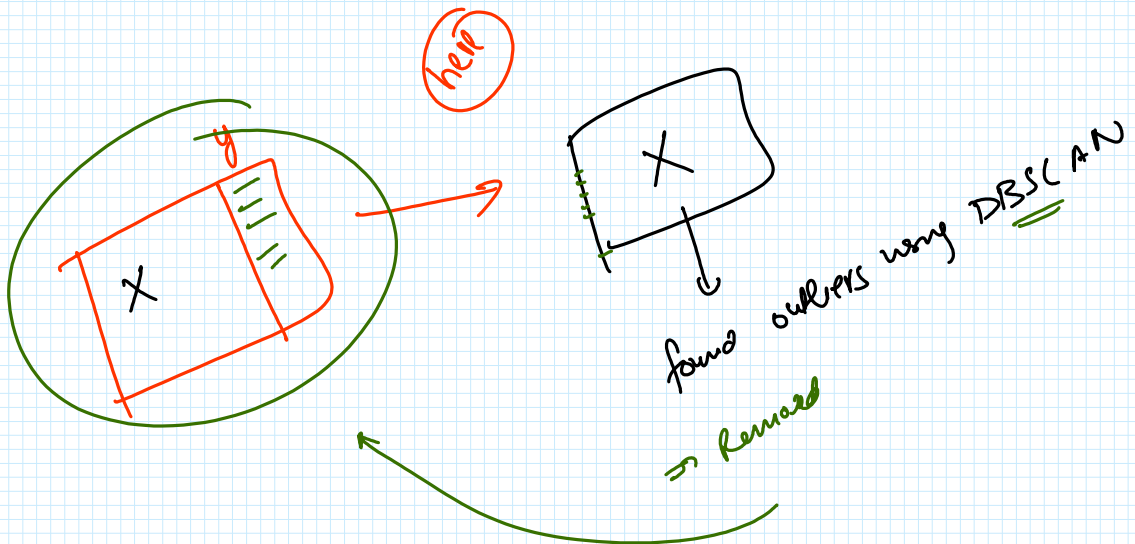
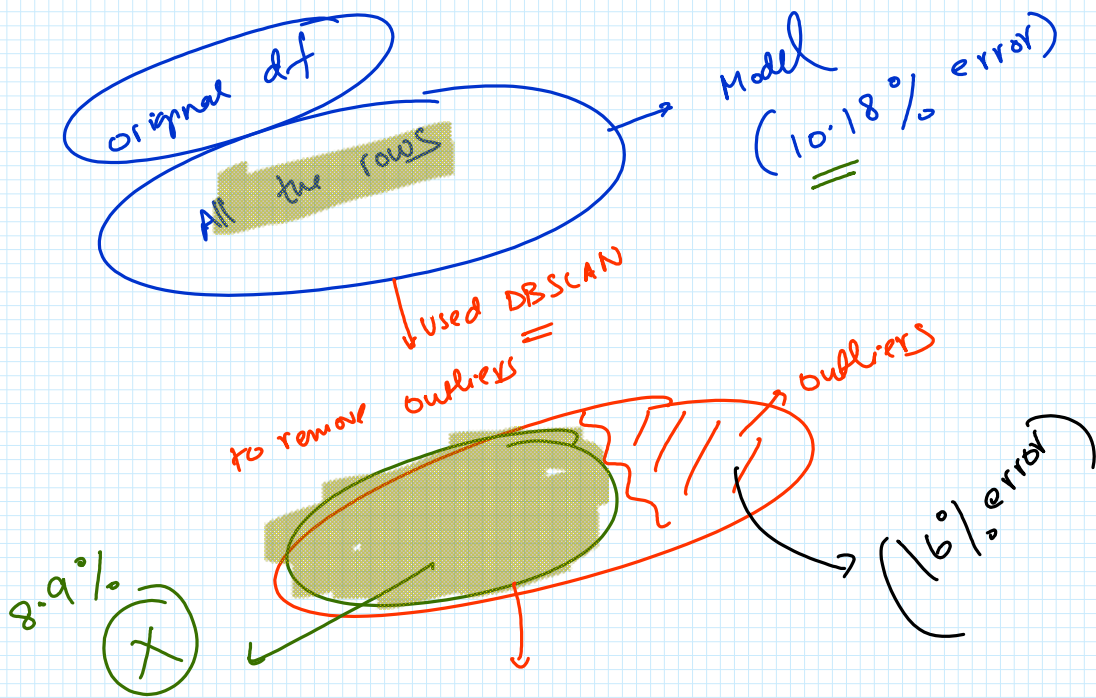
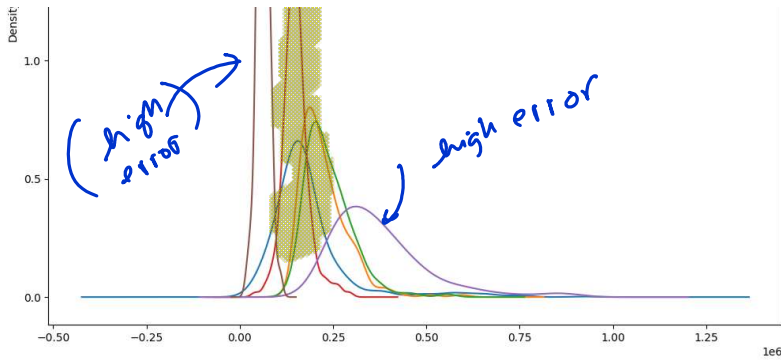


DBSCAN
(very hard to tune)
→

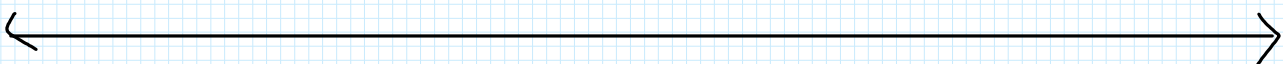


EDA



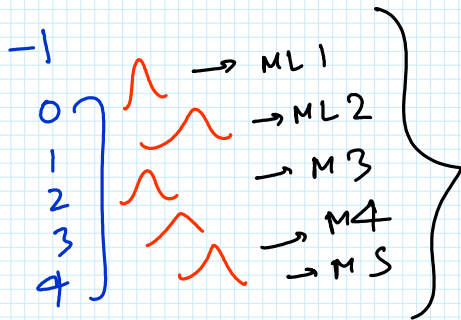


(X) 22:12 10:12 pm



Baseline Models

Cluster-wise Baseline Models



⊕ Go home and fit each model on each cluster
5 models

```

✓ mse : 22467.674531822915 mape: 0.06589067784448051 ✓
1 mse : 24574.950851701356 mape: 0.06338192633284288
2 mse : 16308.418622526266 mape: 0.08394762397351883
3 mse : 61321.06152425323 mape: 0.10326860518877166
4 mse : 13033.677322225501 mape: 0.17356275167230237
64576340.91122606 0.08373568049975669
    
```

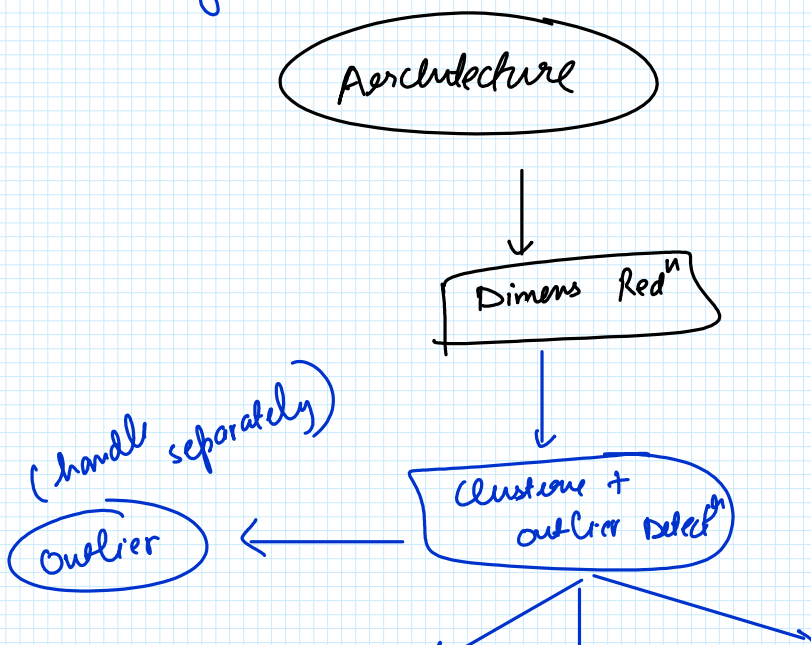
Total MSE

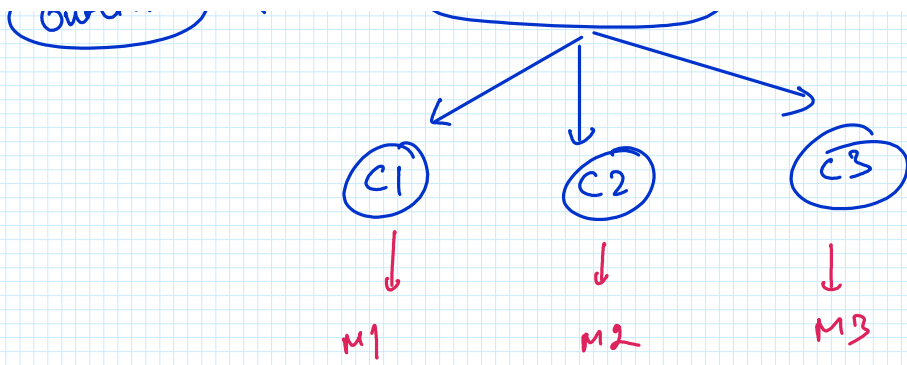
Avg MAPE

3 and 4

⊕ ARI / NMI (not used)

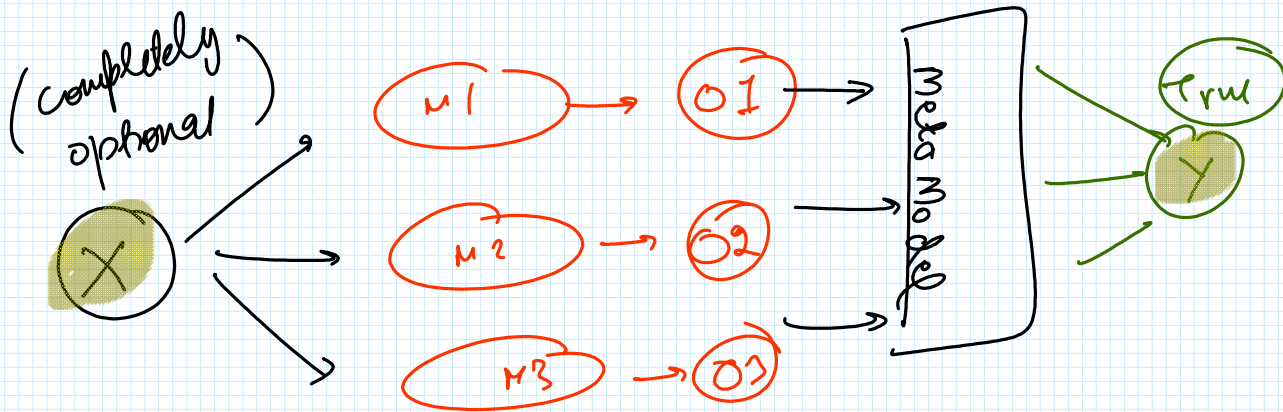
Training individual models for each cluster





Class Concepts
OOP → Implementⁿ of ensemble Algo

Meta Models (ensemble)



$$\text{estimators} = \left[\begin{matrix} (M1) \\ \downarrow \\ ('rf', \text{RandomFor}) \end{matrix}, (M2), (M3) \right]$$

$$= \left[('glt', \text{Gradu}), \dots \right]$$

