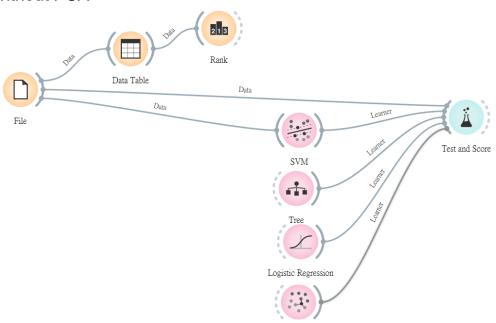
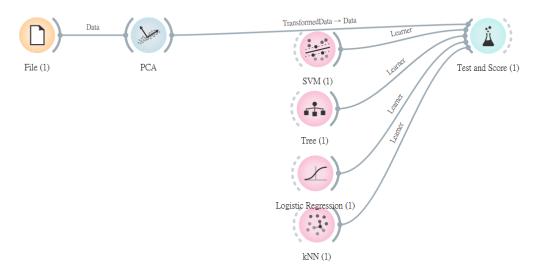
# 109306011 資管四甲 朱茂榛

## 1. Workflow

## a. Without PCA

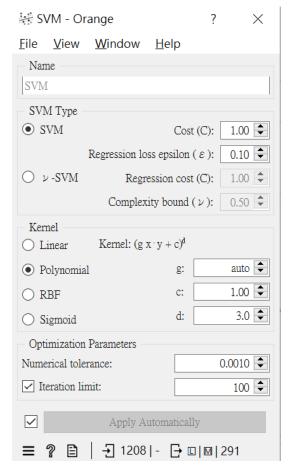


## b. Go through PCA

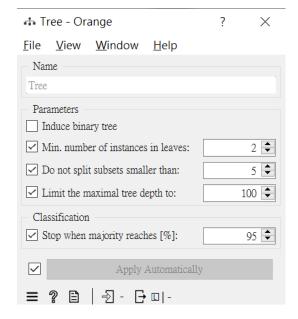


## 2. 參數(Without PCA以及Go through PCA的模型參數皆相同)

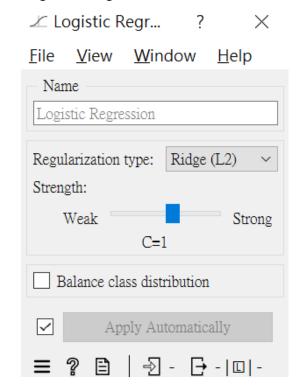
#### a. SVM



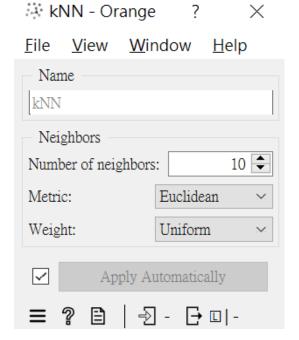
#### b. Tree



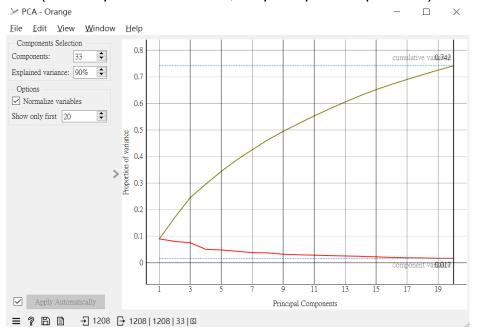
## c. Logistic Regression



#### d. kNN

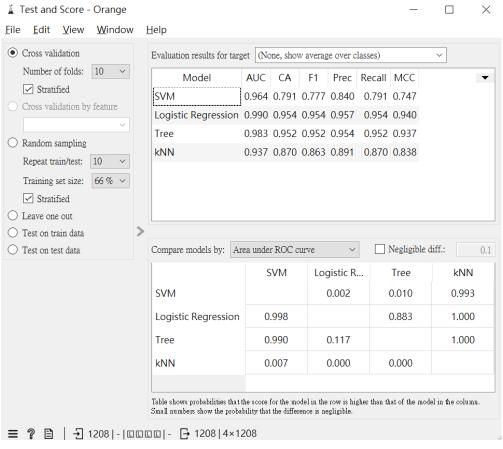


## 3. PCA(90% explained variance, 33 principle components)

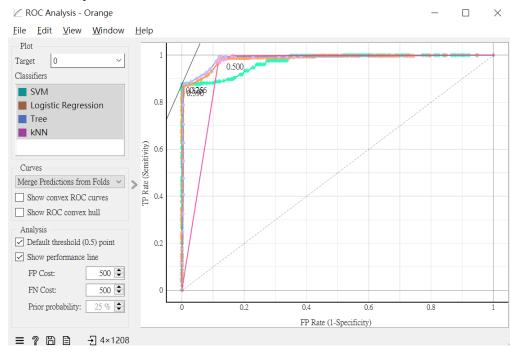


## 4. Result Comparison

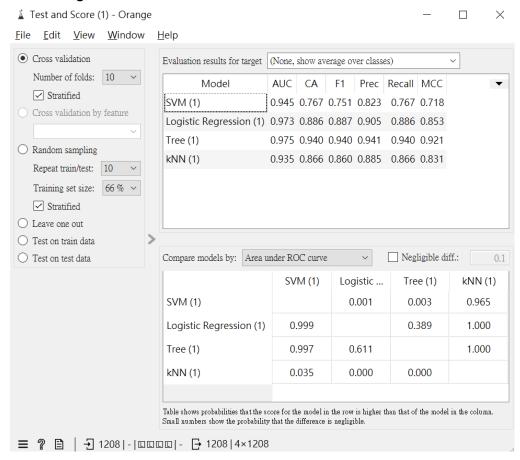
#### a. Without PCA



### **ROC** analysis



#### b. Go through PCA



### **ROC** analysis

