## Nathan Vilbert Kosasih - 69903 - IS529 - A

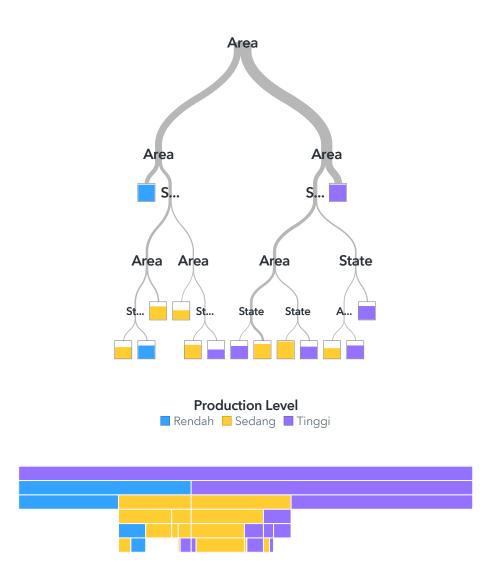
Creation Date: Sunday, 20 October 2024, 13:41:29 Author: nathan.vilbert@student.umn.ac.id

### **Decision Tree**

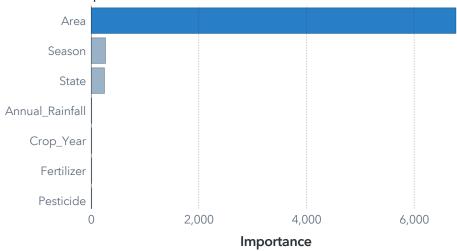
### Decision Tree of Production Level

Event: Tinggi Fit: Misclassification Rate 0.1681 Observations: 20K of 20K

### Tree

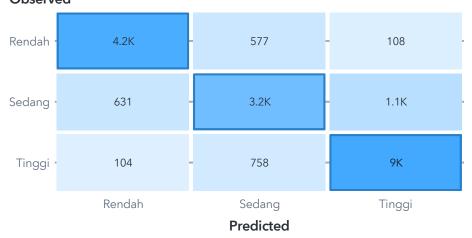


## Variable Importance



#### Confusion Matrix

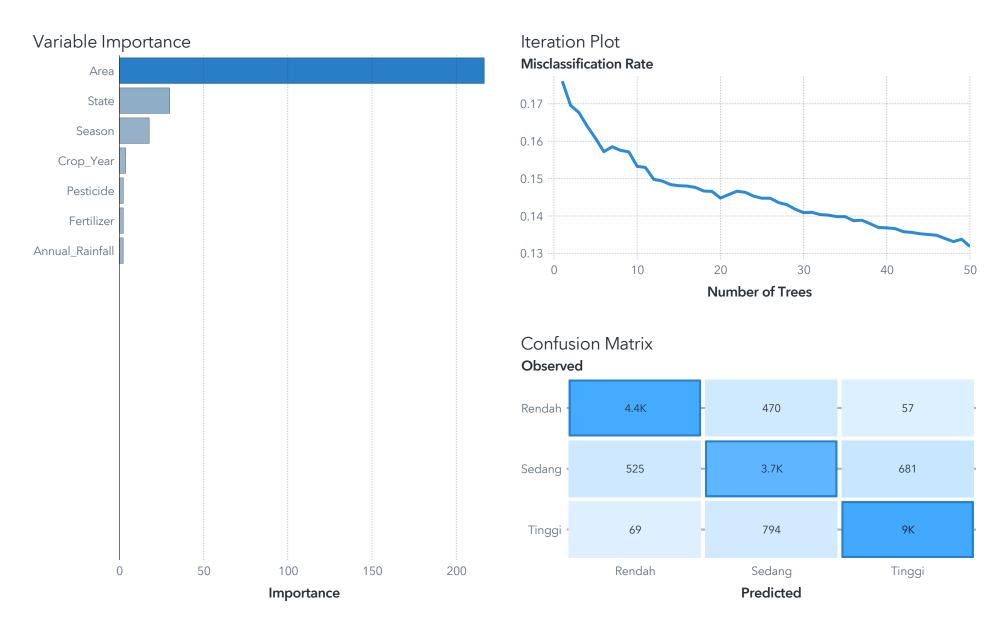
#### Observed



# **Gradient Boosting**

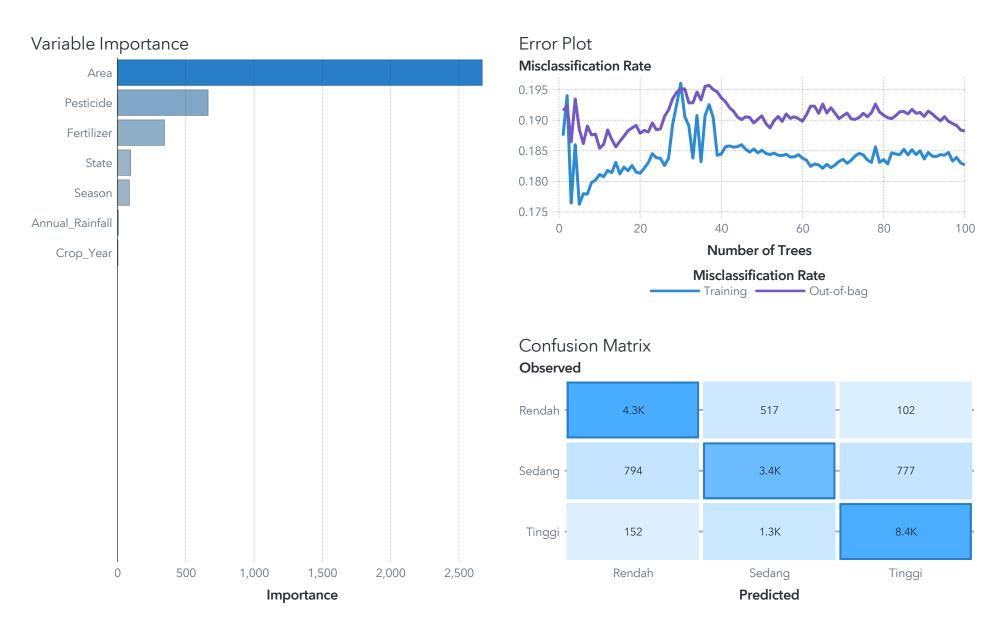
## Gradient Boosting of Production Level

Event: Tinggi Fit: Misclassification Rate 0.1319 Observations: 20K of 20K



### Forest of Production Level

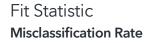
Event: Tinggi Fit: Misclassification Rate 0.1825 Observations: 20K of 20K

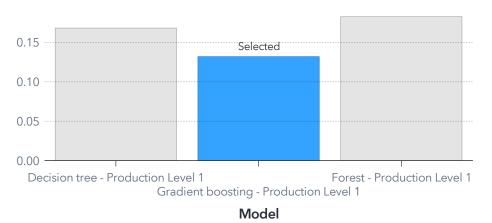


# Model Comparison

### Model Comparison of Production Level

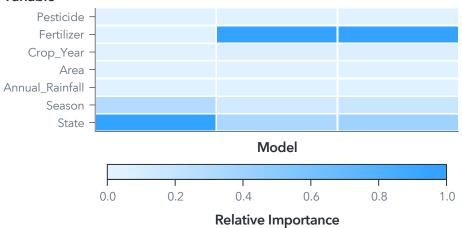
Event: **Tinggi** 





## Relative Importance Plot

#### Variable



### Confusion Matrix

