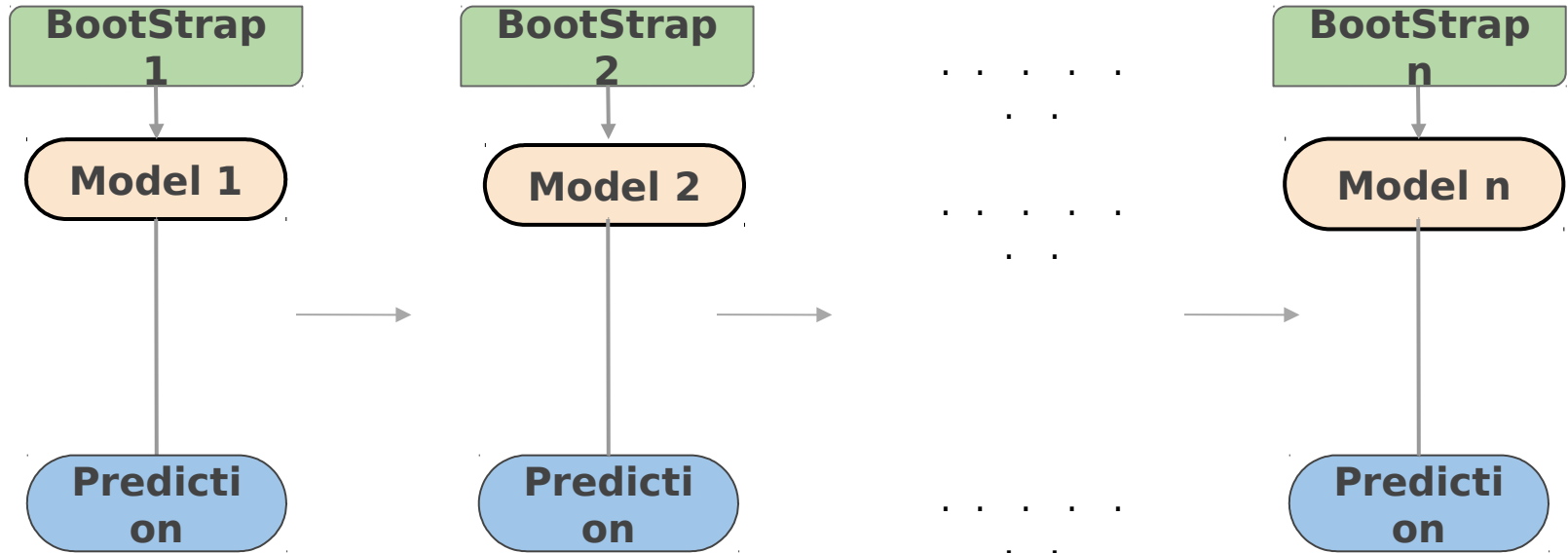


Boosting

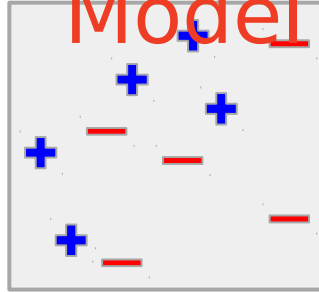
Boosting



Adaptive Boosting

Higher weights are assigned to data points which are incorrectly predicted.

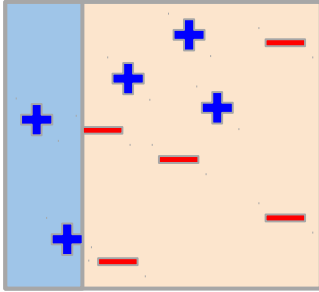
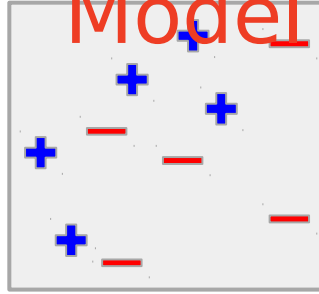
Steps to build Adaptive Boosting Model



Steps to build Adaptive Boosting Model

- **Step 1:** Build a model and make predictions

Steps to build Adaptive Boosting Model

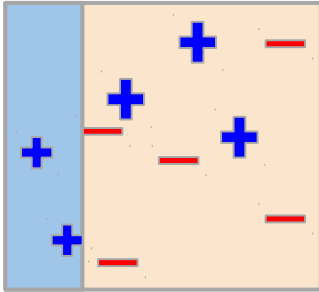
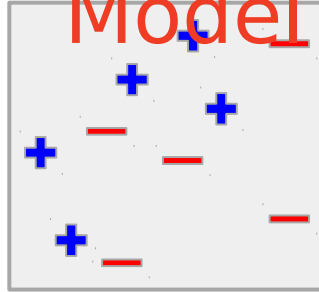


Model 1

Steps to build Adaptive Boosting Model

- **Step 1:** Build a model and make predictions
- **Step 2:** Assign higher weight to misclassified points

Steps to build Adaptive Boosting Model

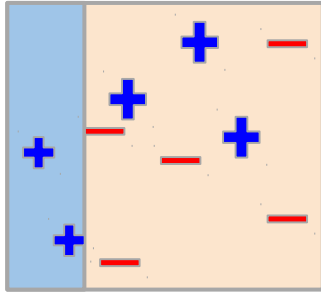


Model 1

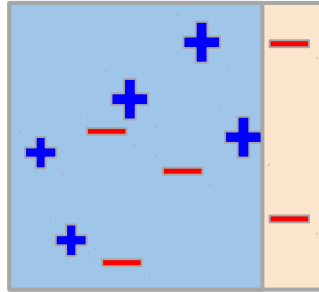
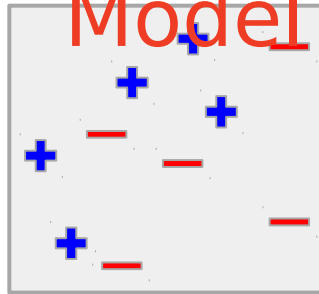
Steps to build Adaptive Boosting Model

- **Step 1:** Build a model and make predictions
- **Step 2:** Assign higher weight to misclassified points
- **Step 3:** Build next model

Steps to build Adaptive Boosting Model



Model 1

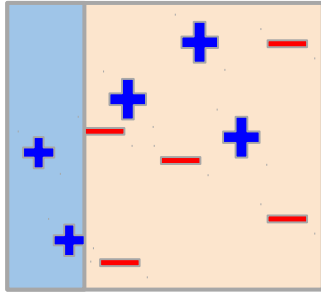


Model 2

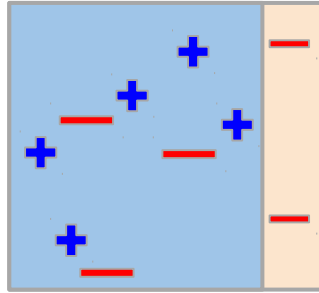
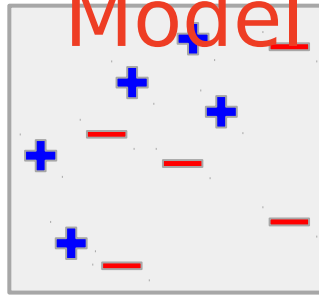
Steps to build Adaptive Boosting Model

- **Step 1:** Build a model and make predictions
- **Step 2:** Assign higher weight to misclassified points
- **Step 3:** Build next model
- **Step 4:** Repeat Step 2 and Step 3

Steps to build Adaptive Boosting Model

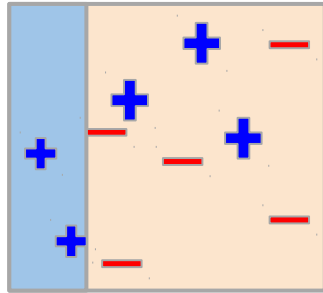


Model 1

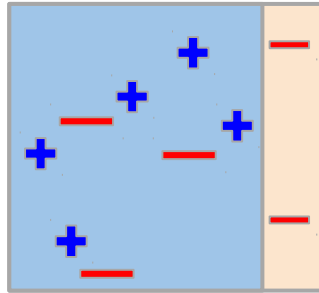
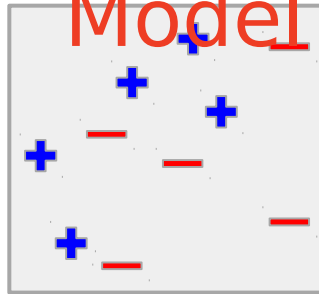


Model 2

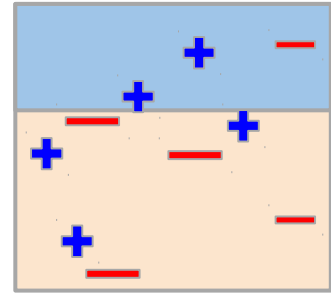
Steps to build Adaptive Boosting Model



Model 1



Model 2

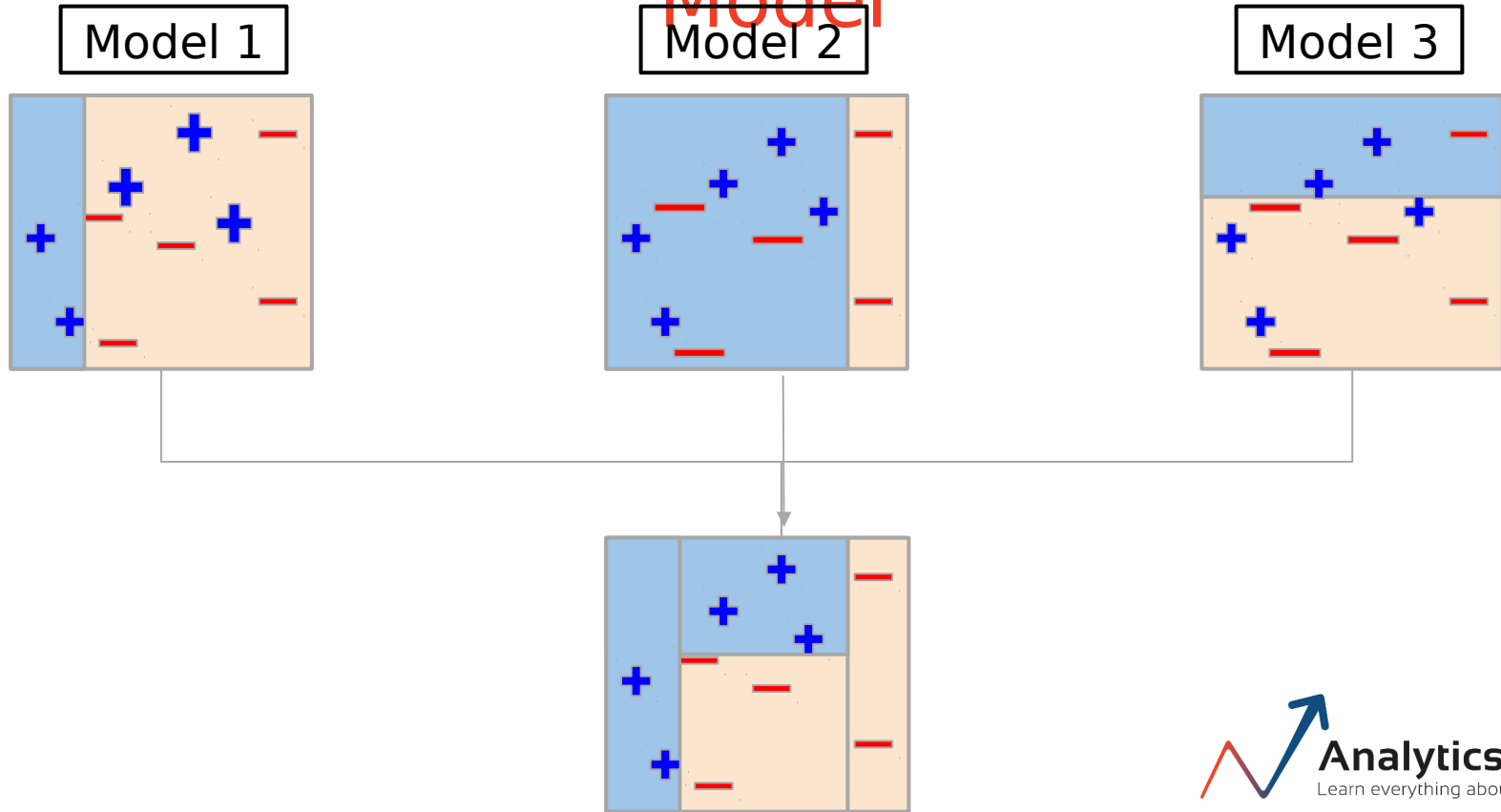


Model 3

Steps to build Adaptive Boosting Model

- **Step 1:** Build a model and make predictions
- **Step 2:** Assign higher weight to misclassified points
- **Step 3:** Build next model
- **Step 4:** Repeat Step 2 and Step 3
- **Step 5:** Weighted average of individual models

Steps to build Adaptive Boosting Model



Steps to build Adaptive Boosting Model

- **Step 1:** Build a model and make predictions
- **Step 2:** Assign higher weight to misclassified points
- **Step 3:** Build next model
- **Step 4:** Repeat Step 2 and Step 3
- **Step 5:** Weighted average of individual models