Spambase: Comparison by Tree Size

Average OOB Misclassification Rate vs. Number of Bootstrap Samples, B

- **Stumps**: Consistently high misclassification rate above 0.21.
- **4-Node Trees**: Exhibits a moderate misclassification rate around 0.11.
- **8-Node Trees**: Shows a slightly lower misclassification rate compared to 4-Node Trees.
- **Largest-Possible Trees**: Displays the lowest misclassification rate among the four categories, generally below 0.06.
Number of Boosting Iterations

Misclassification Rate

Stumps

Test Set

Learning Set
8-Split Trees

Number of Boosting Iterations

Misclassification Rate

Test Set

Learning Set
Classification

Loss Function

- Squared-Error
- Binomial
- Exponential
- Misclassification