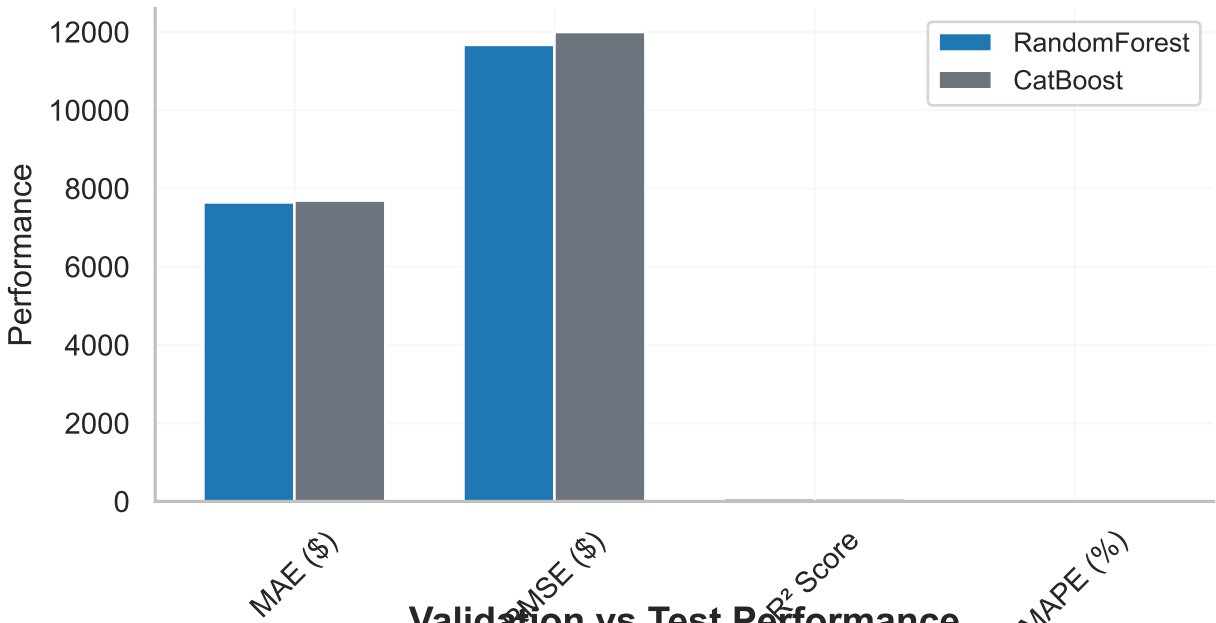
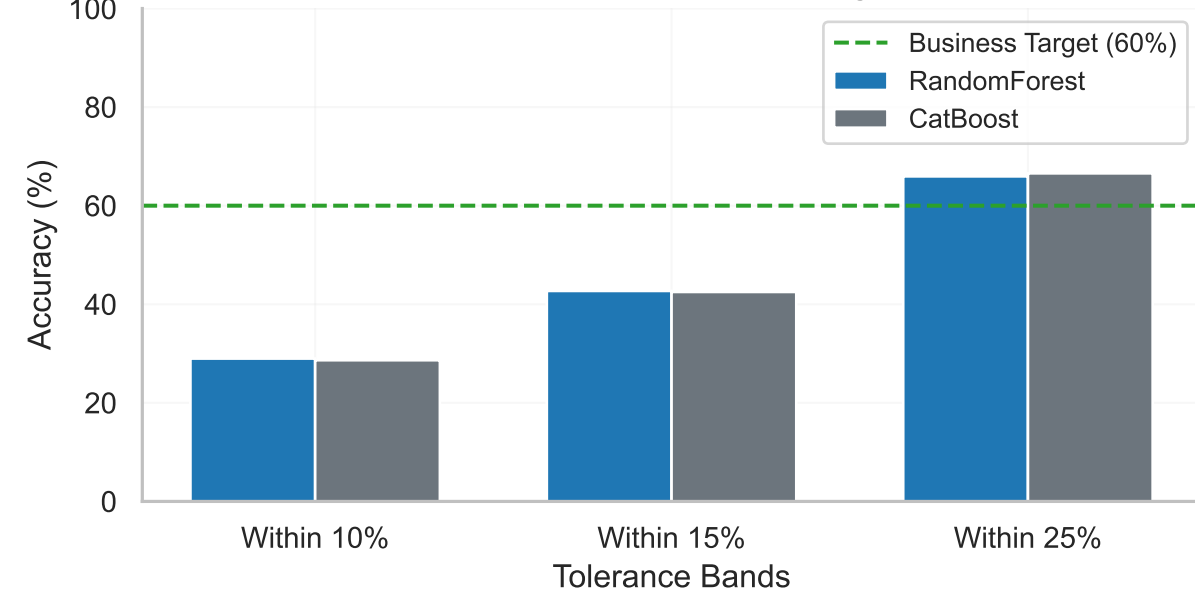


Model Performance Analysis - Technical Deep Dive

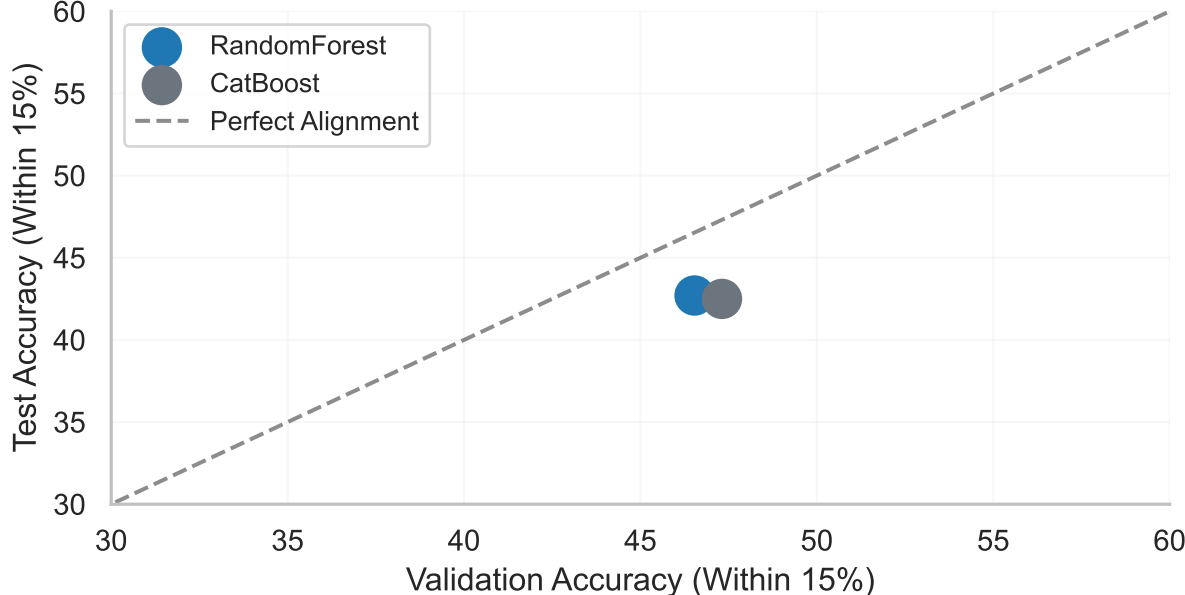
Model Performance Comparison



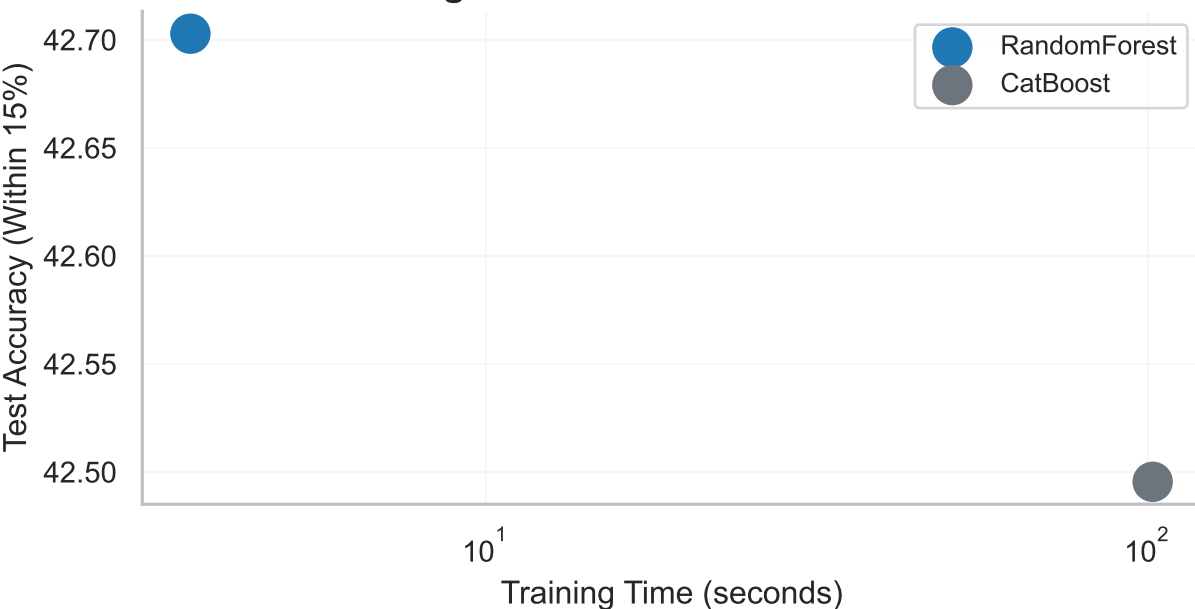
Business Tolerance Analysis



Validation vs Test Performance



Training Time vs Performance Trade-off



Business Assessment Summary:

- Best Performing Model: RandomForest
- Best Test Accuracy: 42.7% (Within 15% tolerance)
- Business Readiness: NEEDS IMPROVEMENT
- Risk Level: HIGH - Below business requirements

Recommendations:

- Current models achieve ~43% accuracy within 15% tolerance (target: 60%)
- Suggest additional feature engineering and model optimization
- Consider ensemble methods or advanced techniques
- Implement staged deployment with continuous monitoring