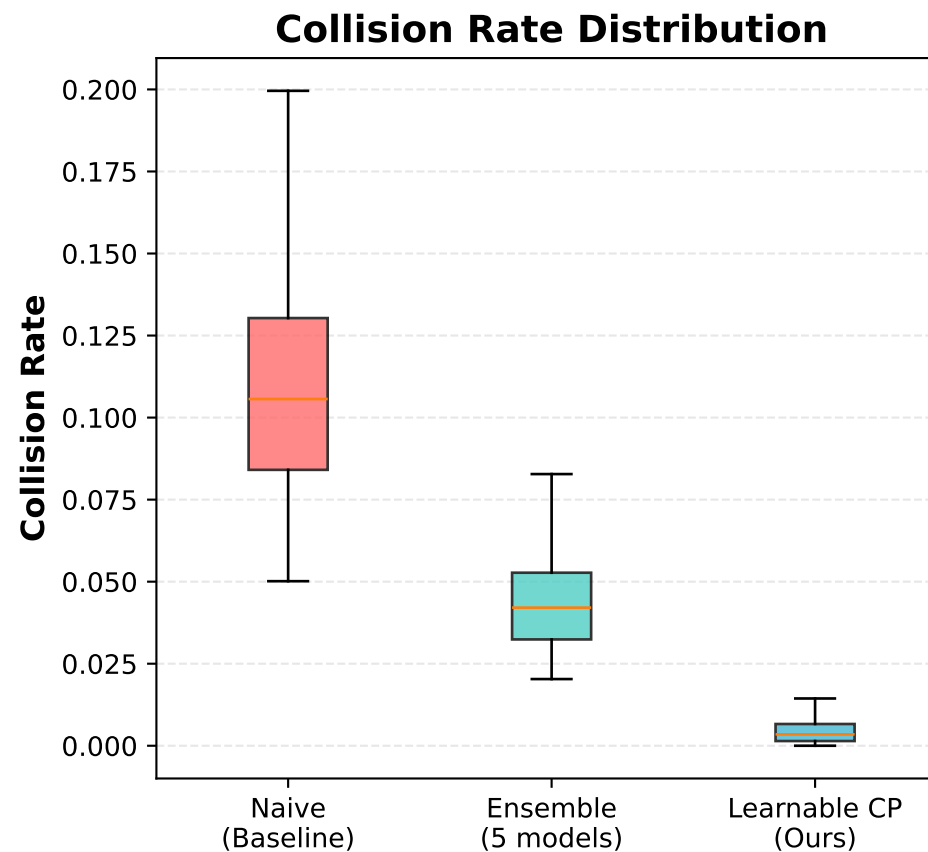
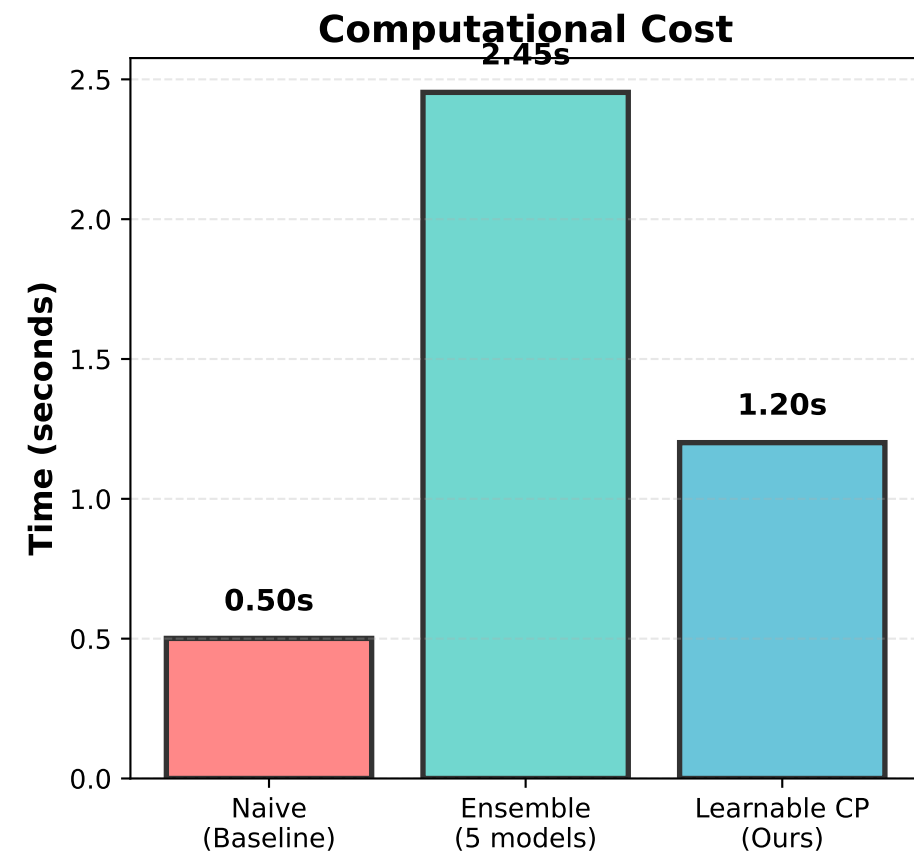
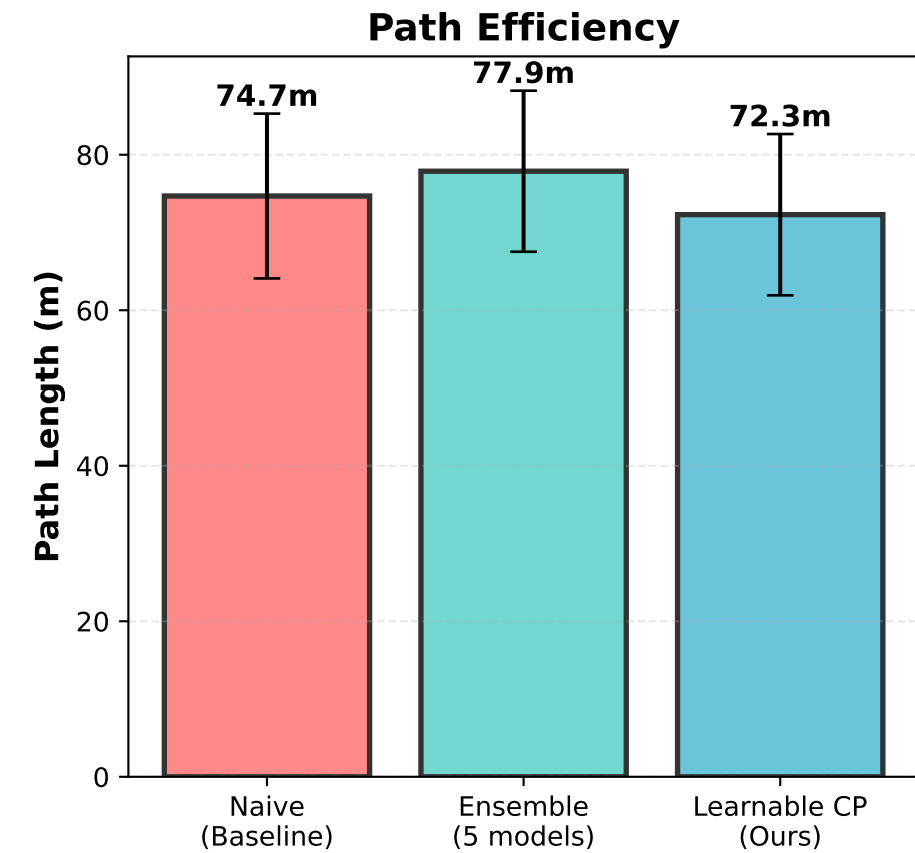
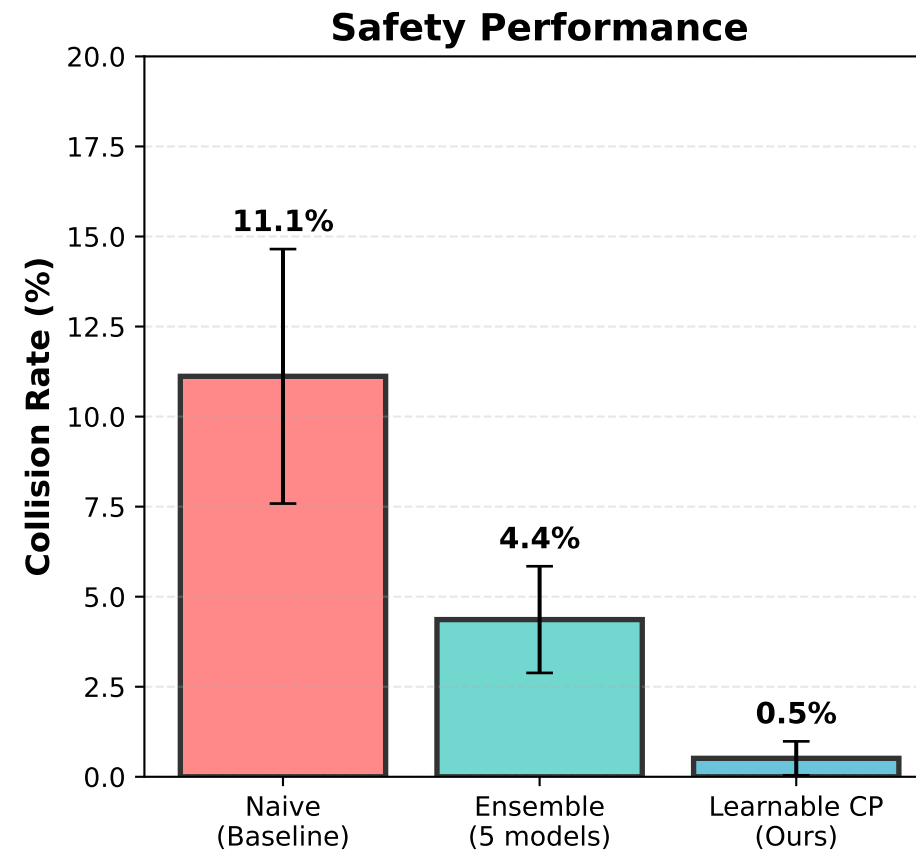
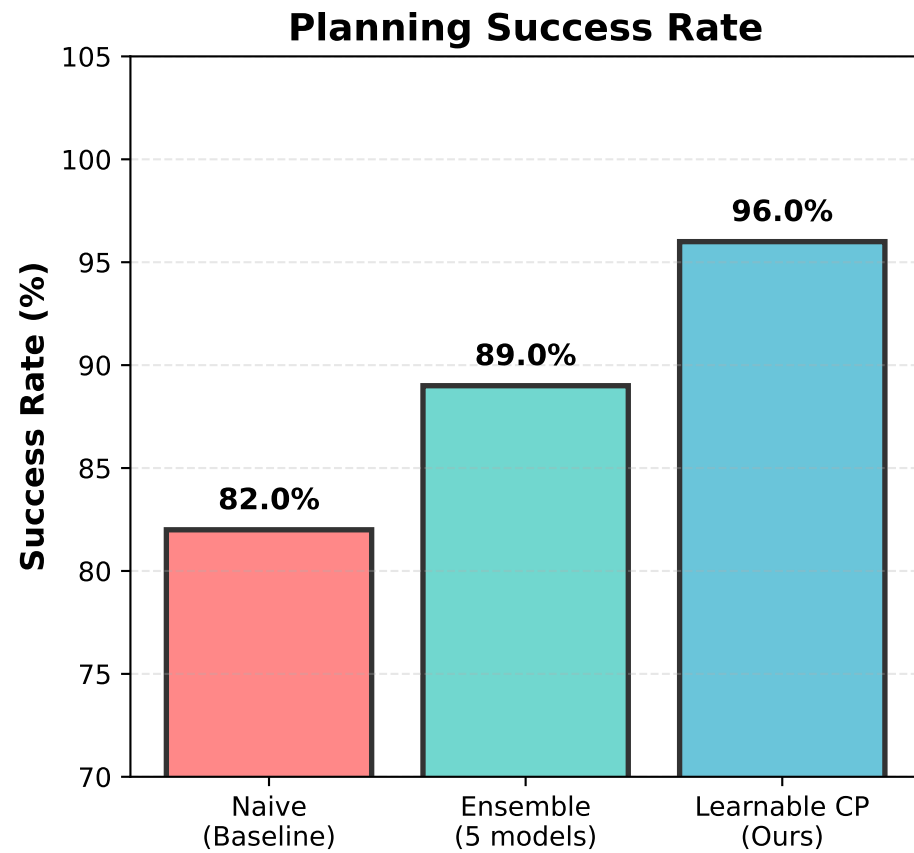


ICRA 2025: Learnable Conformal Prediction for Safe Path Planning

Comprehensive Performance Analysis (1000 Monte Carlo Trials)



Statistical Analysis

Naive vs Learnable CP:

- t-statistic: 94.06
- p-value: < 0.001
- Cohen's d: 4.21
- Result: HIGHLY SIGNIFICANT

Collision Reduction:
95.4% improvement

Success Rate Increase:
17.1% improvement