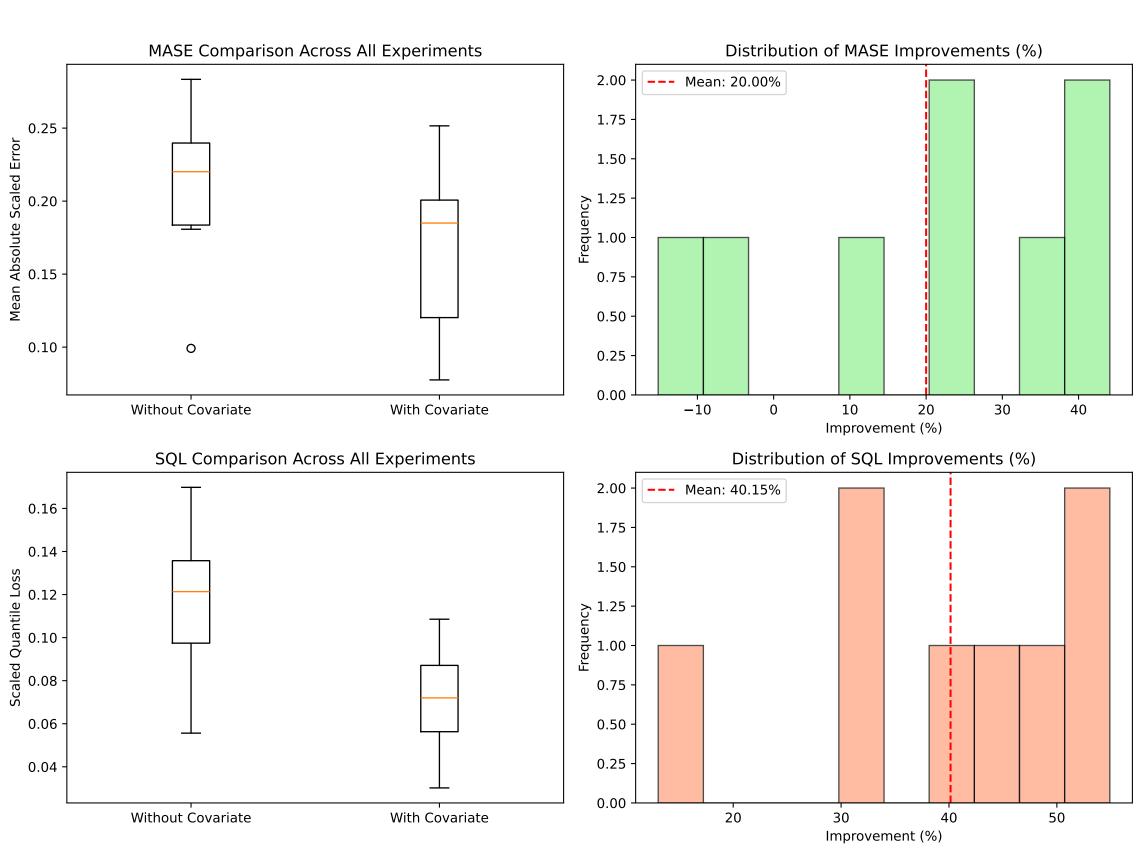
## **Covariate Study Summary: Pulses**



## **Detailed Statistics**

```
Covariate Study Detailed Results
Covariate Types: pulses
Number of Experiments: 8
MASE Results:
- Without Covariate: 0.2097 \pm 0.0525
- With Covariate: 0.1665 \pm 0.0548
- Average Improvement: 20.00%
- Median Improvement: 21.73%
SOL Results:
- Without Covariate: 0.1177 \pm 0.0329
- With Covariate: 0.0704 \pm 0.0235
- Average Improvement: 40.15%
- Median Improvement: 43.45%
Study Parameters:
- Weight: 1.0
- Relation: multiplicative
- Train Ratio: 0.6
- Covariate Weights: Randomized per experiment (Dirichlet distribution)
Best Performing Experiment (MASE):
- Experiment 7: 44.10% improvement
Worst Performing Experiment (MASE):
- Experiment 8: -15.14% improvement
```