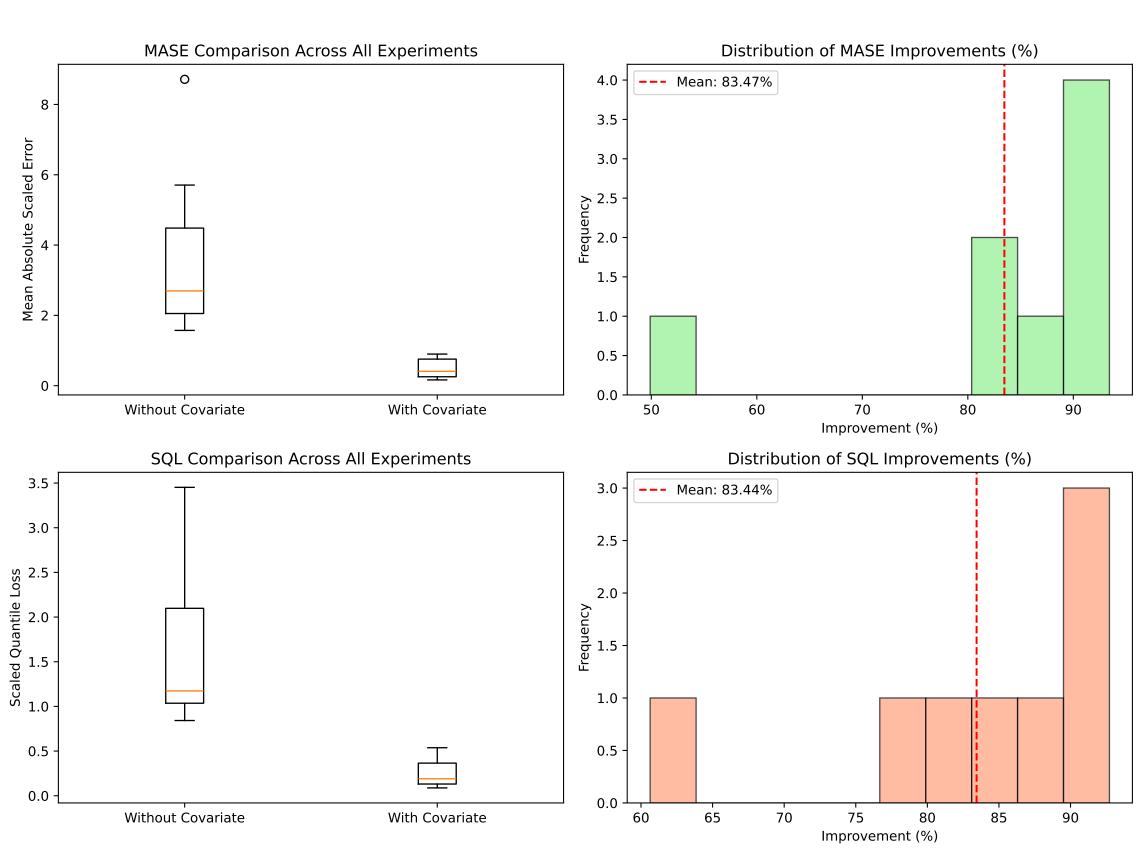
Covariate Study Summary: Ar1, Pulses, Steps, Ramps



Detailed Statistics

```
Covariate Study Detailed Results
Covariate Types: ar1, pulses, steps, ramps
Number of Experiments: 8
MASE Results:
- Without Covariate: 3.6716 \pm 2.2934
- With Covariate: 0.4960 \pm 0.2824
- Average Improvement: 83.47%
- Median Improvement: 88.78%
SOL Results:
- Without Covariate: 1.6234 \pm 0.8599
- With Covariate: 0.2526 \pm 0.1551
- Average Improvement: 83.44%
- Median Improvement: 85.84%
Study Parameters:
- Weight: 1.0
- Relation: additive
- Train Ratio: 0.6
- Covariate Weights: Randomized per experiment (Dirichlet distribution)
Best Performing Experiment (MASE):
- Experiment 1: 93.42% improvement
Worst Performing Experiment (MASE):
- Experiment 4: 49.89% improvement
```