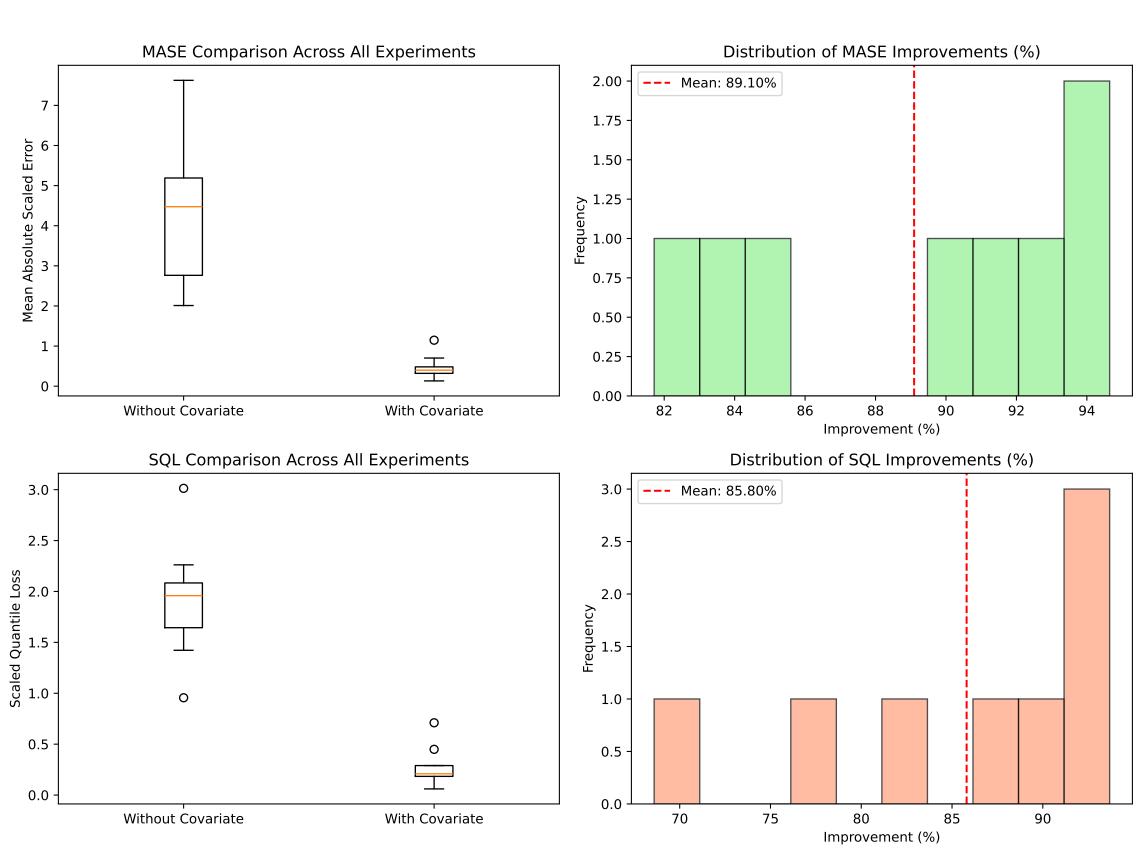
Covariate Study Summary: Ar1, Steps, Ramps



Detailed Statistics

```
Covariate Study Detailed Results
Covariate Types: arl, steps, ramps
Number of Experiments: 8
MASE Results:
- Without Covariate: 4.3778 ± 1.7977
- With Covariate: 0.4760 \pm 0.2937
- Average Improvement: 89.10%
- Median Improvement: 90.40%
SOL Results:
- Without Covariate: 1.9140 \pm 0.5640
- With Covariate: 0.2775 \pm 0.1930
- Average Improvement: 85.80%
- Median Improvement: 88.64%
Study Parameters:
- Weight: 1.0
- Relation: additive
- Train Ratio: 0.6
- Covariate Weights: Randomized per experiment (Dirichlet distribution)
Best Performing Experiment (MASE):
- Experiment 3: 94.65% improvement
Worst Performing Experiment (MASE):
- Experiment 4: 81.72% improvement
```