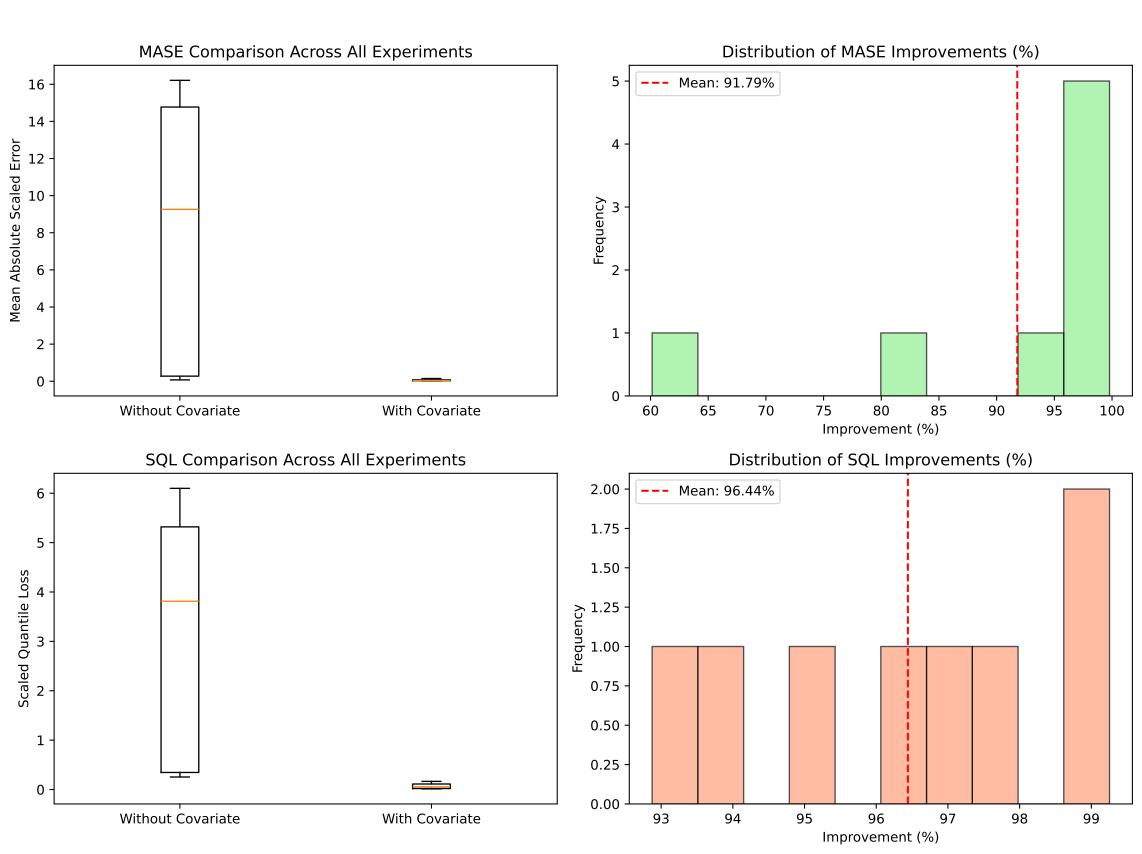
## **Covariate Study Summary: Steps**



## **Detailed Statistics**

```
Covariate Study Detailed Results
Covariate Types: steps
Number of Experiments: 8
MASE Results:
- Without Covariate: 8.1394 ± 6.6196
- With Covariate: 0.0609 \pm 0.0474
- Average Improvement: 91.79%
- Median Improvement: 98.49%
SOL Results:
- Without Covariate: 3.1650 \pm 2.3276
- With Covariate: 0.0694 \pm 0.0526
- Average Improvement: 96.44%
- Median Improvement: 96.86%
Study Parameters:
- Weight: 1.0
- Relation: additive
- Train Ratio: 0.6
- Covariate Weights: Randomized per experiment (Dirichlet distribution)
Best Performing Experiment (MASE):
- Experiment 1: 99.78% improvement
Worst Performing Experiment (MASE):
- Experiment 3: 60.14% improvement
```