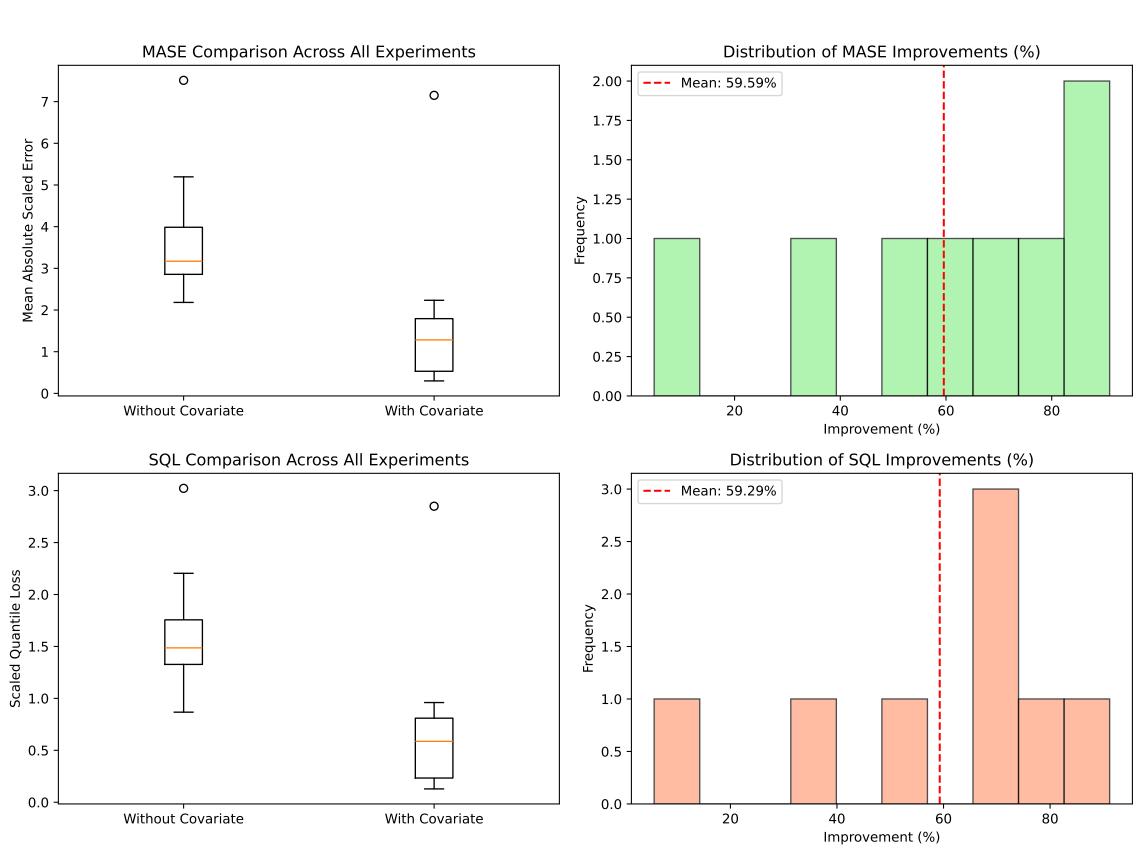
## **Covariate Study Summary: Random Walk**



## **Detailed Statistics**

```
Covariate Study Detailed Results
Covariate Types: random walk
Number of Experiments: \overline{8}
MASE Results:
- Without Covariate: 3.7767 \pm 1.6512
- With Covariate: 1.8530 \pm 2.1001
- Average Improvement: 59.59%
- Median Improvement: 66.10%
SOL Results:
- Without Covariate: 1.6339 \pm 0.6512
- With Covariate: 0.7877 \pm 0.8277
- Average Improvement: 59.29%
- Median Improvement: 67.99%
Study Parameters:
- Weight: 1.0
- Relation: multiplicative
- Train Ratio: 0.6
- Covariate Weights: Randomized per experiment (Dirichlet distribution)
Best Performing Experiment (MASE):
- Experiment 3: 90.96% improvement
Worst Performing Experiment (MASE):
- Experiment 4: 4.79% improvement
```