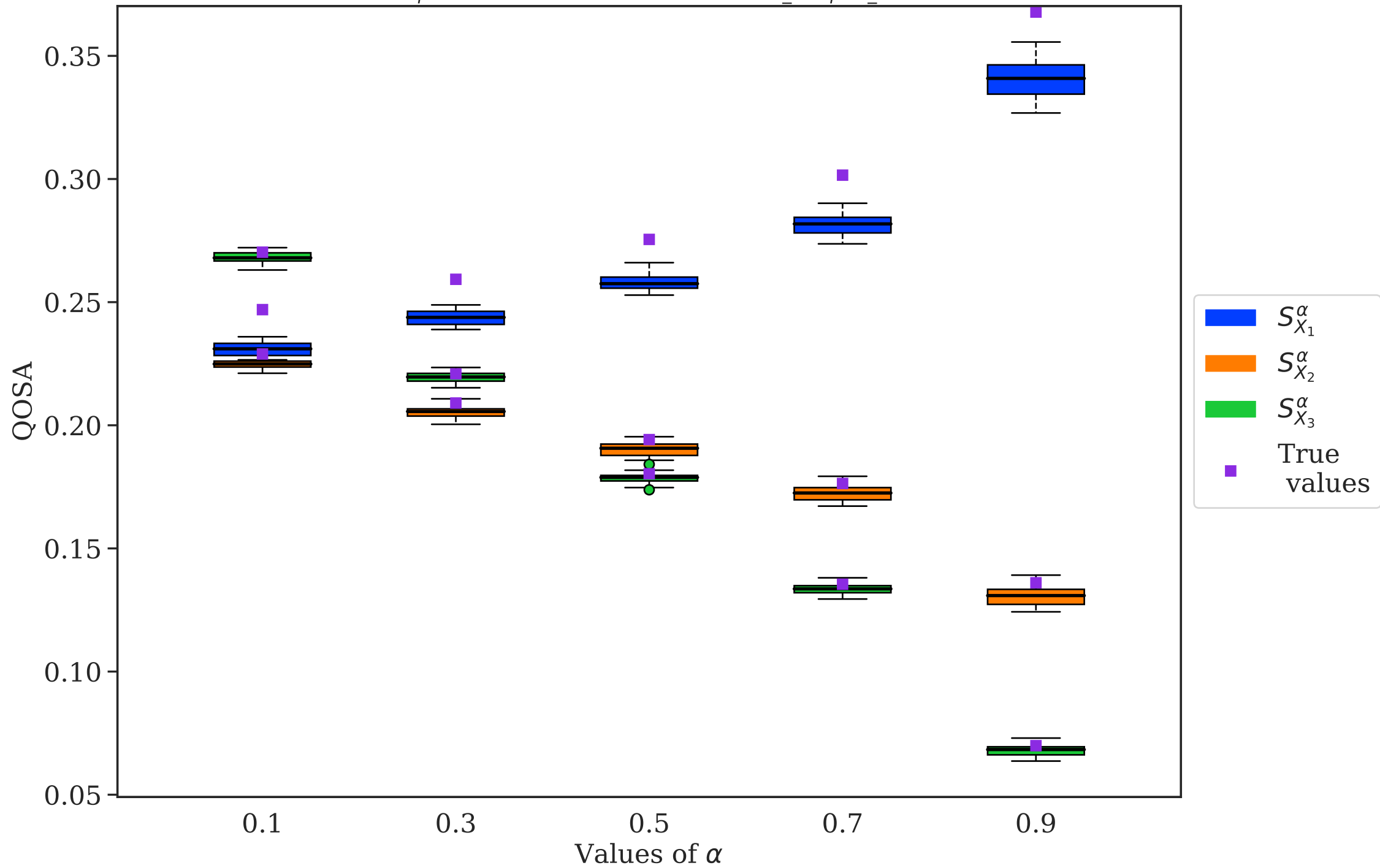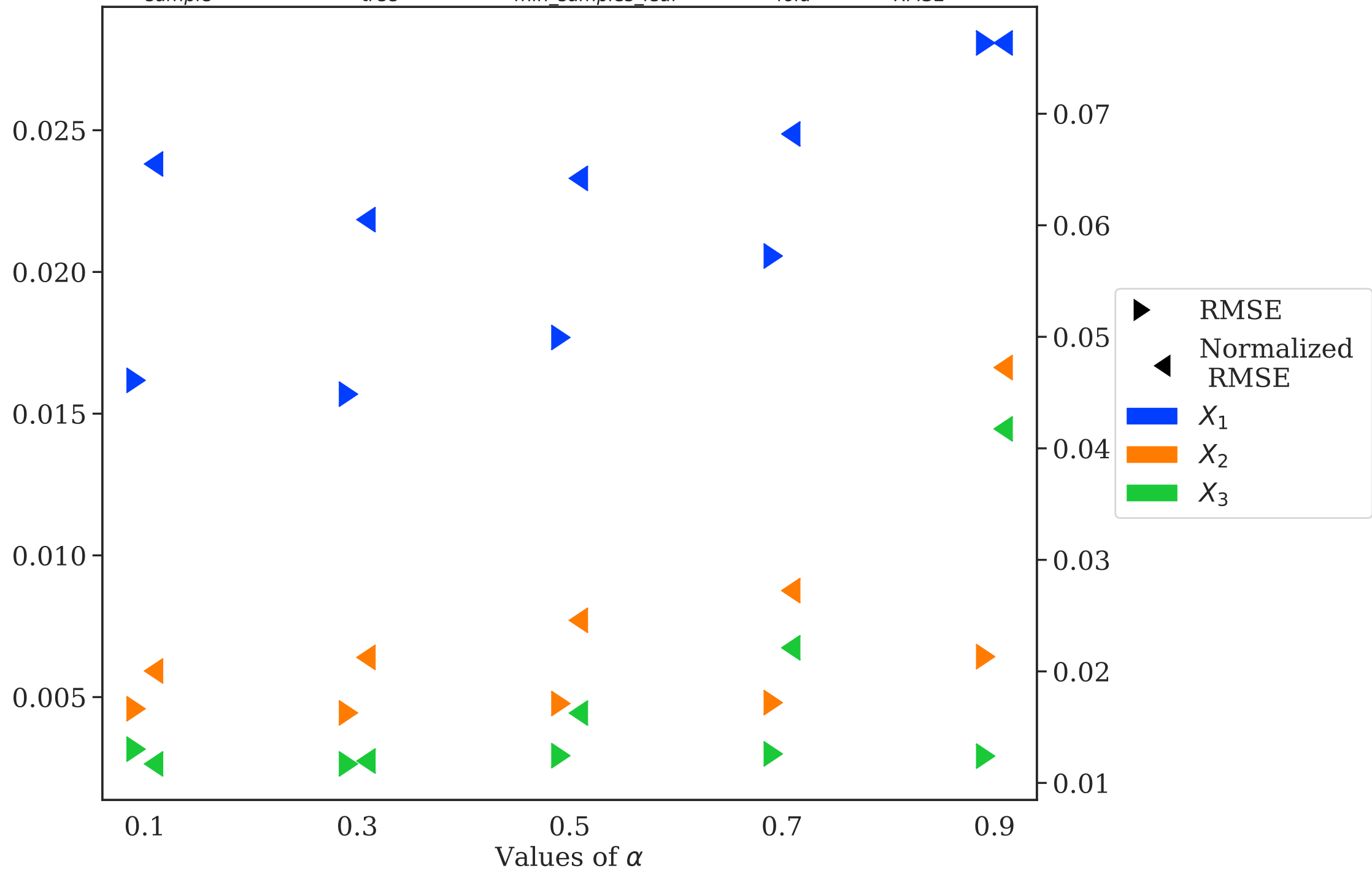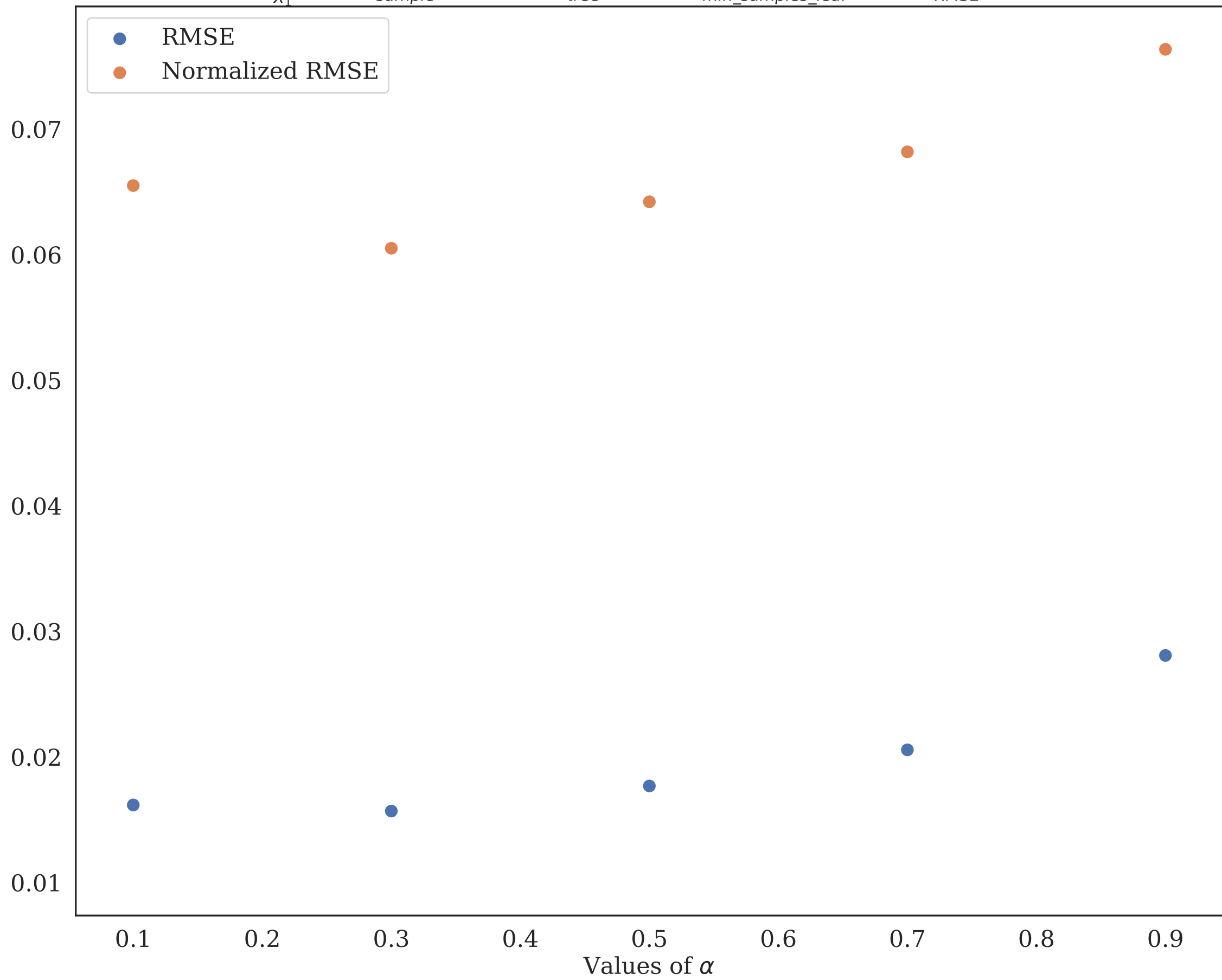Distribution of S^α with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{fold} = 5, N_{RMSE} = 30$

Legend:
- $S^\alpha_{X_1}$
- $S^\alpha_{X_2}$
- $S^\alpha_{X_3}$
- True values

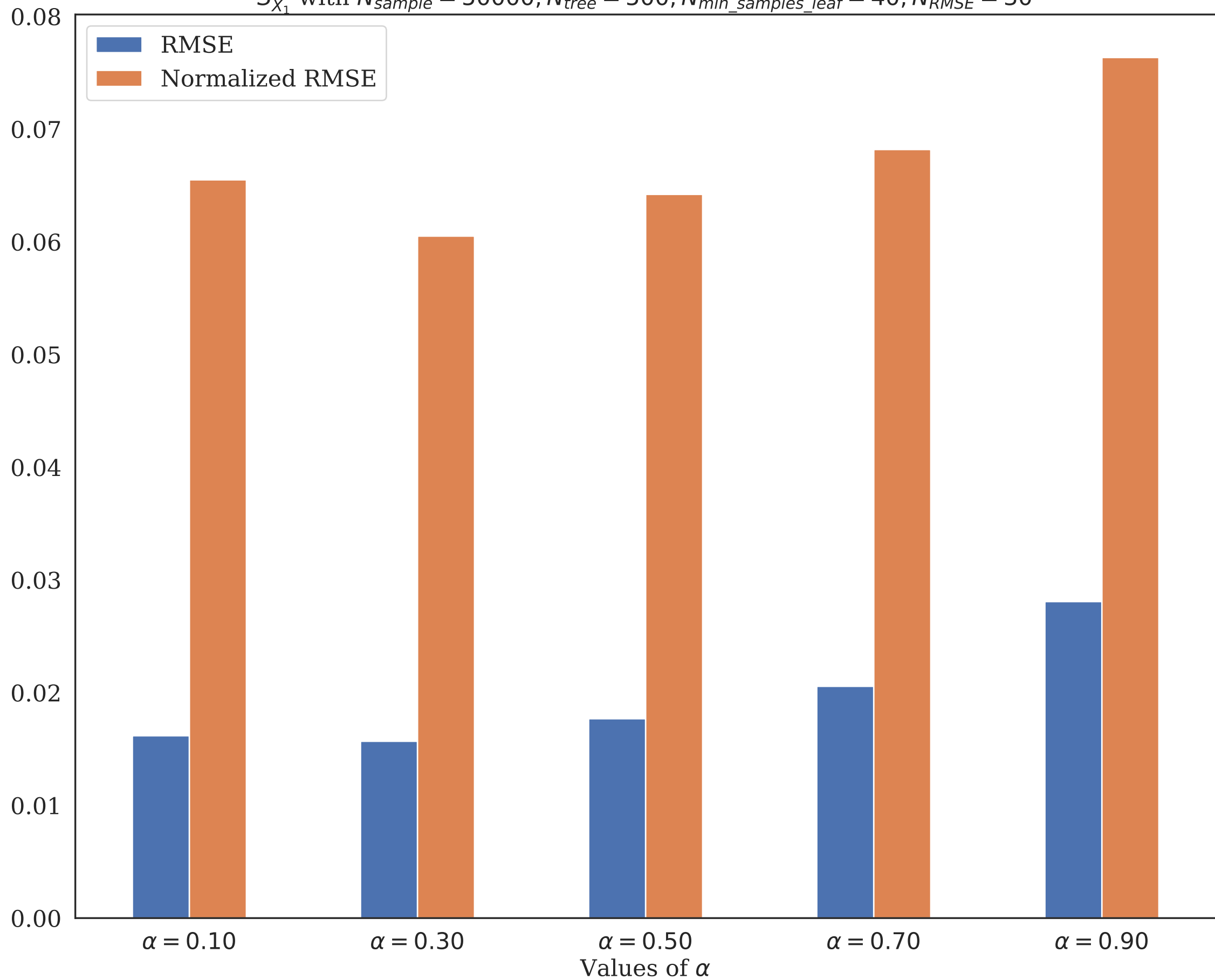Y-axis: QOSA

X-axis: Values of α

$N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{fold} = 5, N_{RMSE} = 30$

$S_{X_1}^{\alpha}$ with $N_{sample} = 50000$, $N_{tree} = 500$, $N_{min\_samples\_leaf} = 40$, $N_{RMSE} = 30$
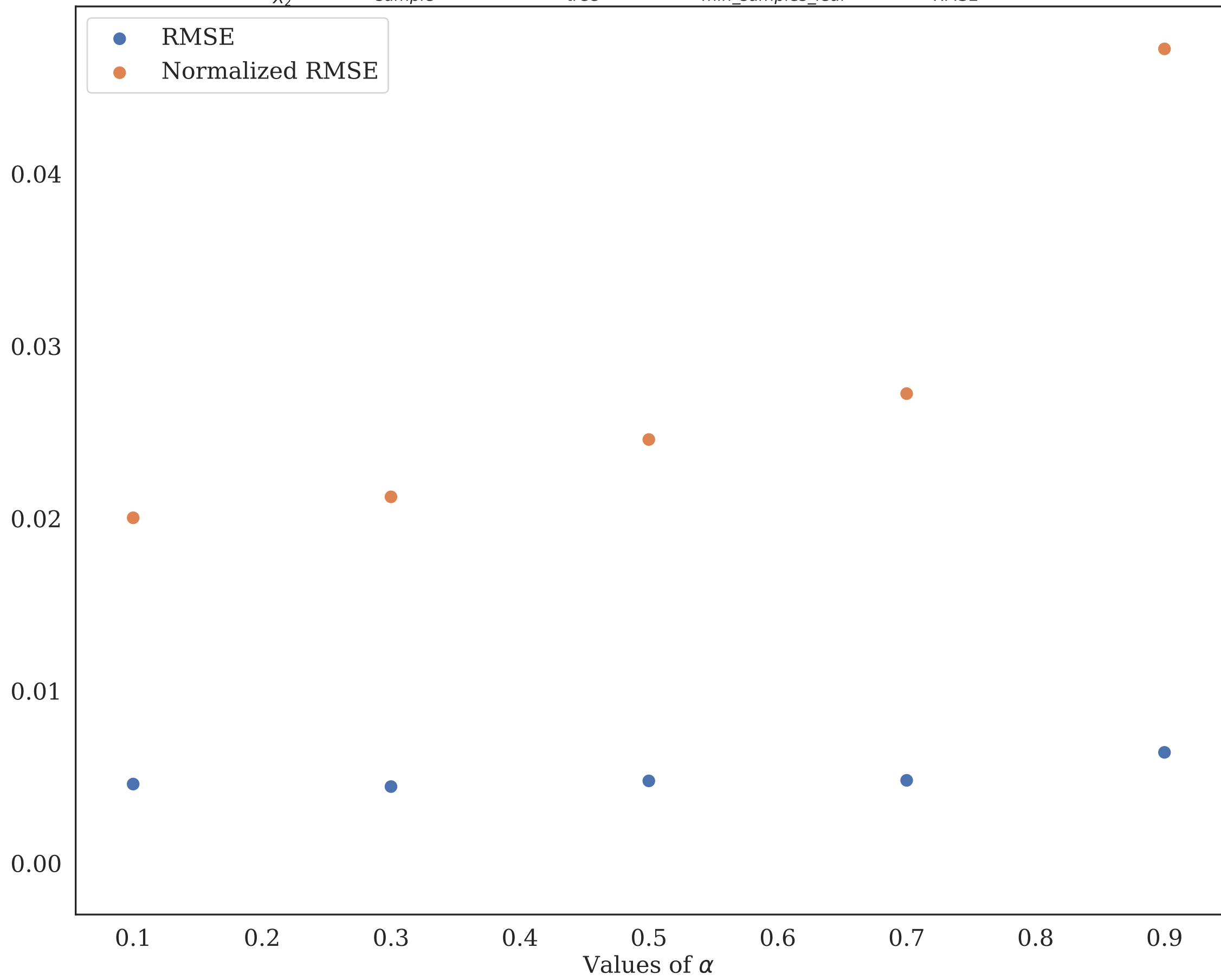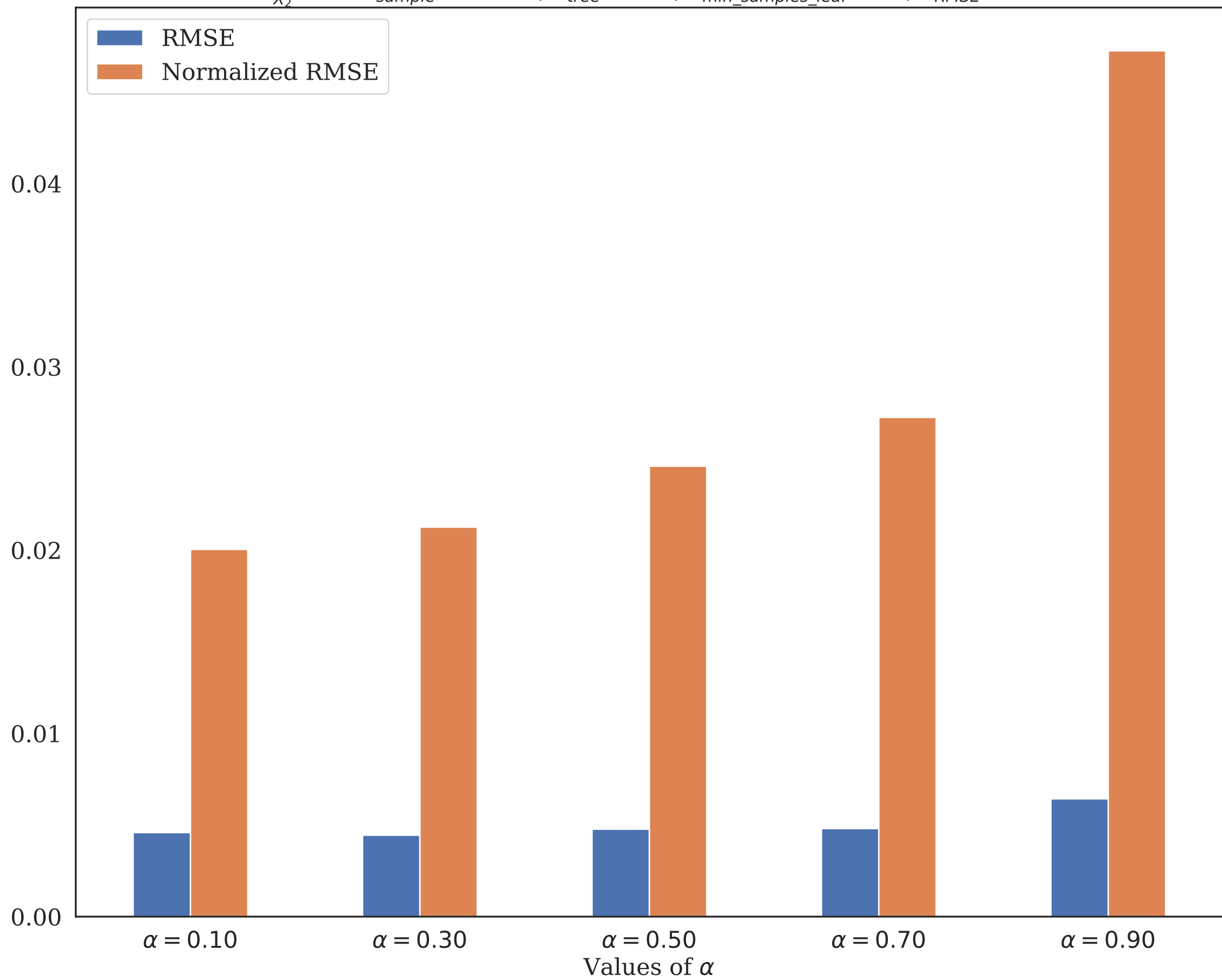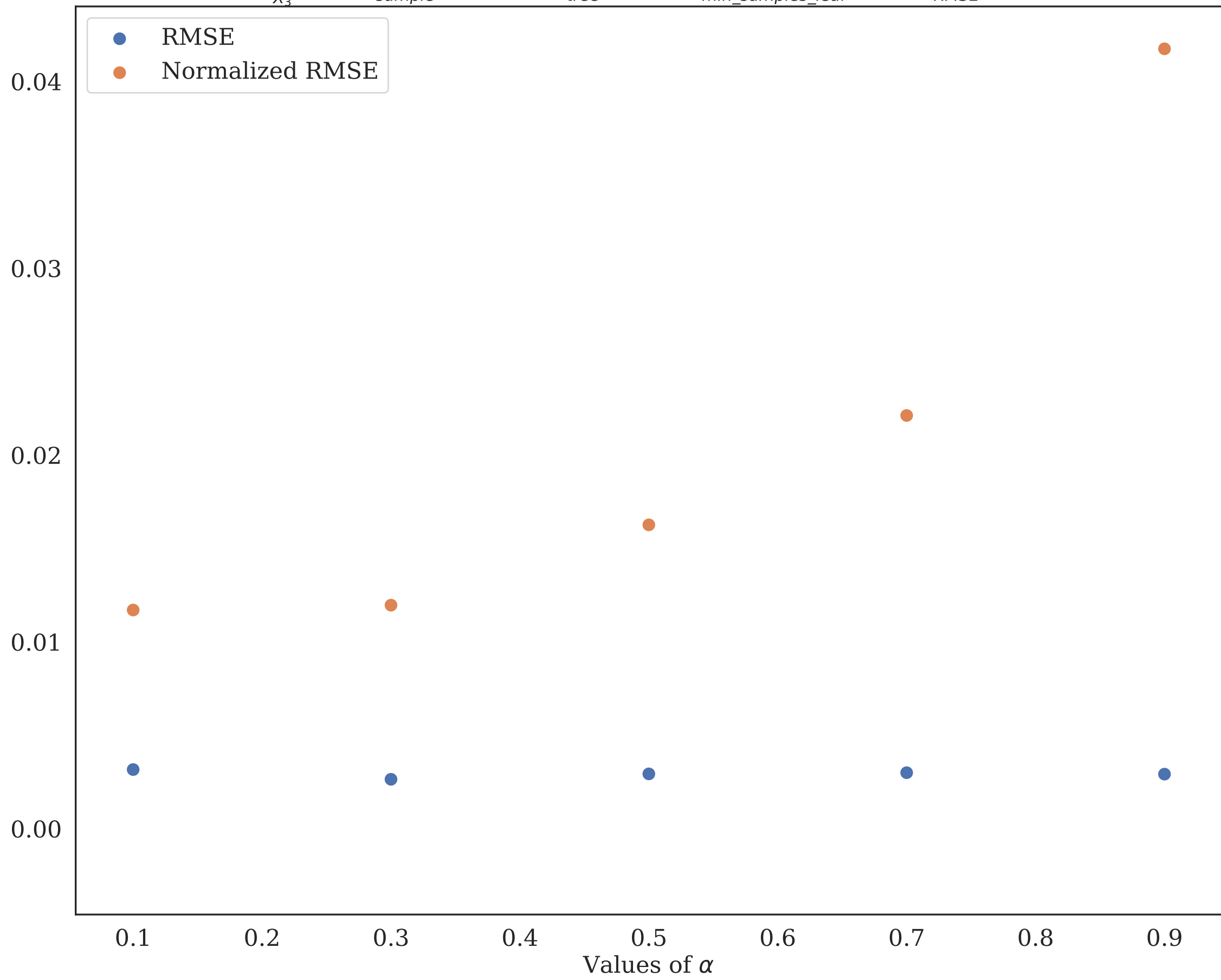
$S_{X_1}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

$S_{X_2}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

$S_{X_2}^{\alpha}$ with $N_{sample} = 50000$, $N_{tree} = 500$, $N_{min\_samples\_leaf} = 40$, $N_{RMSE} = 30$

$S_{X_3}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

$S_{X_3}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

$S_{X_1}^\alpha$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$
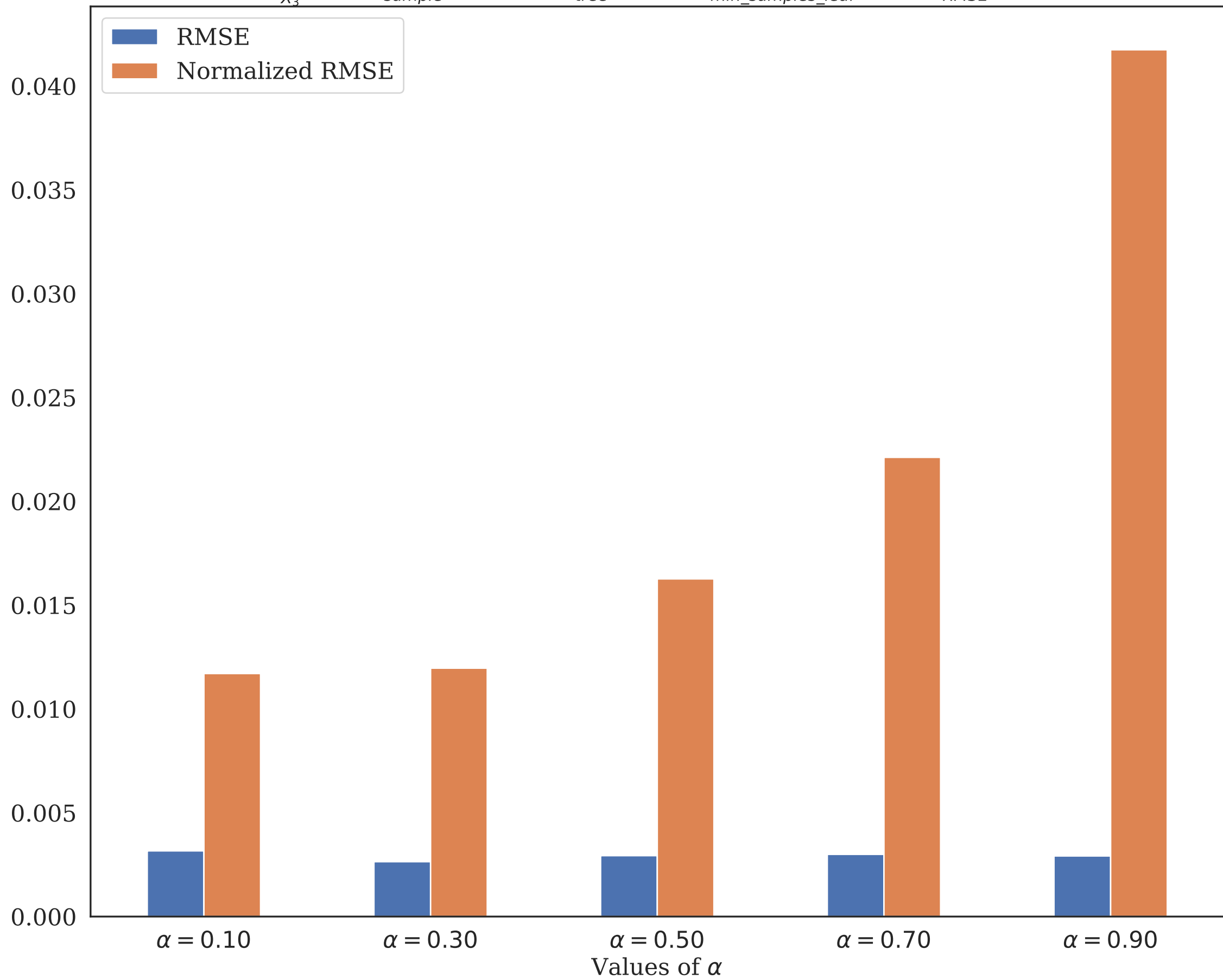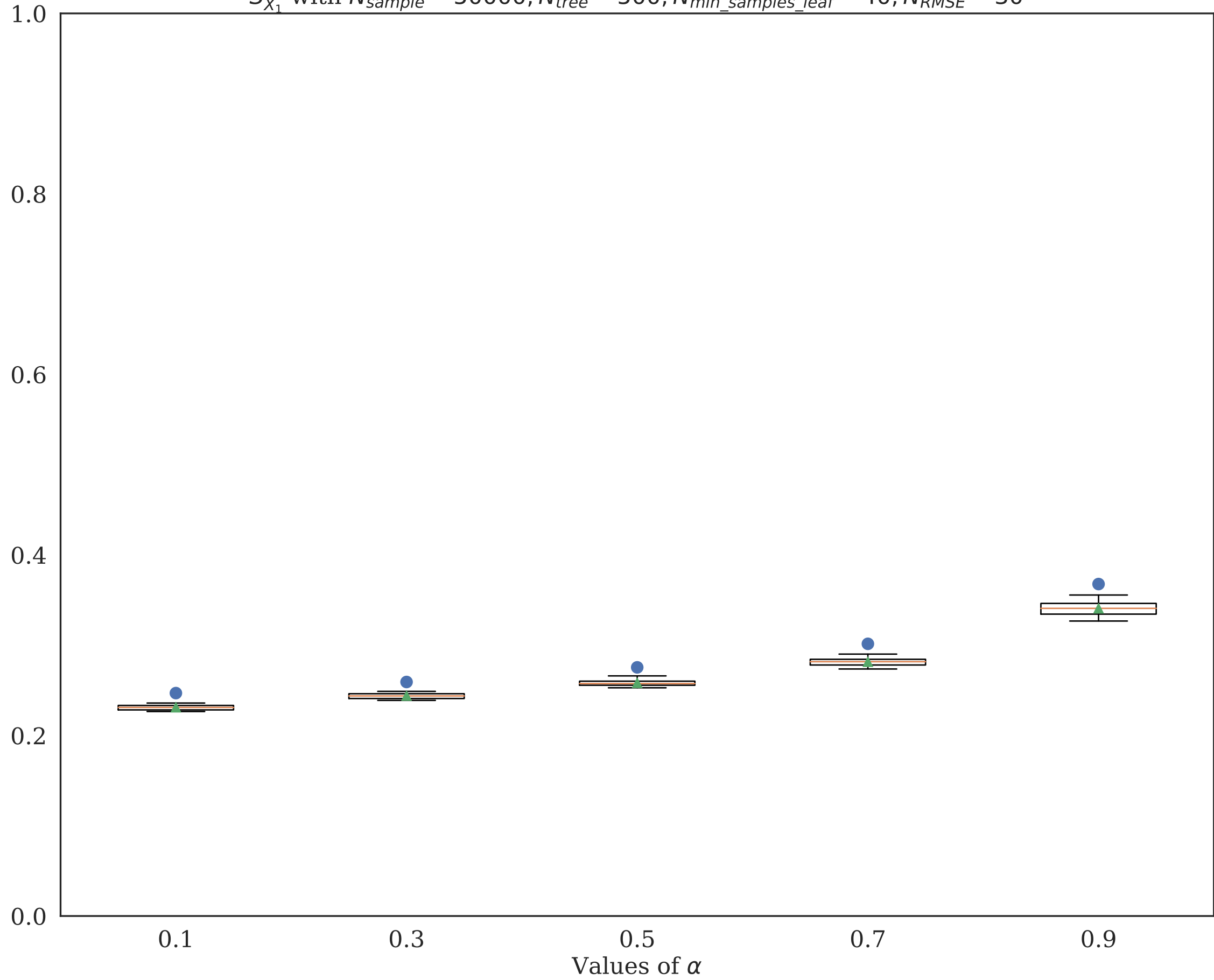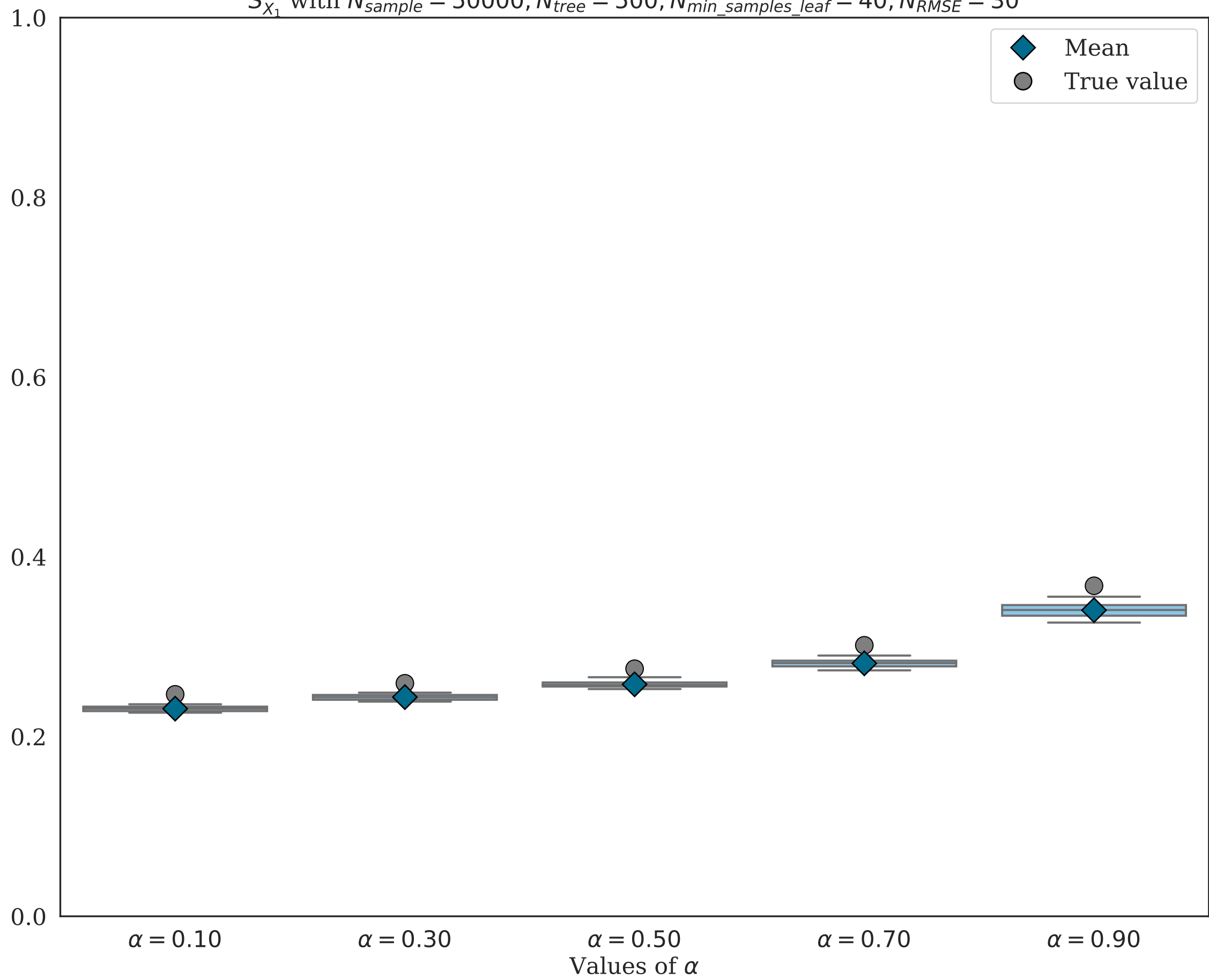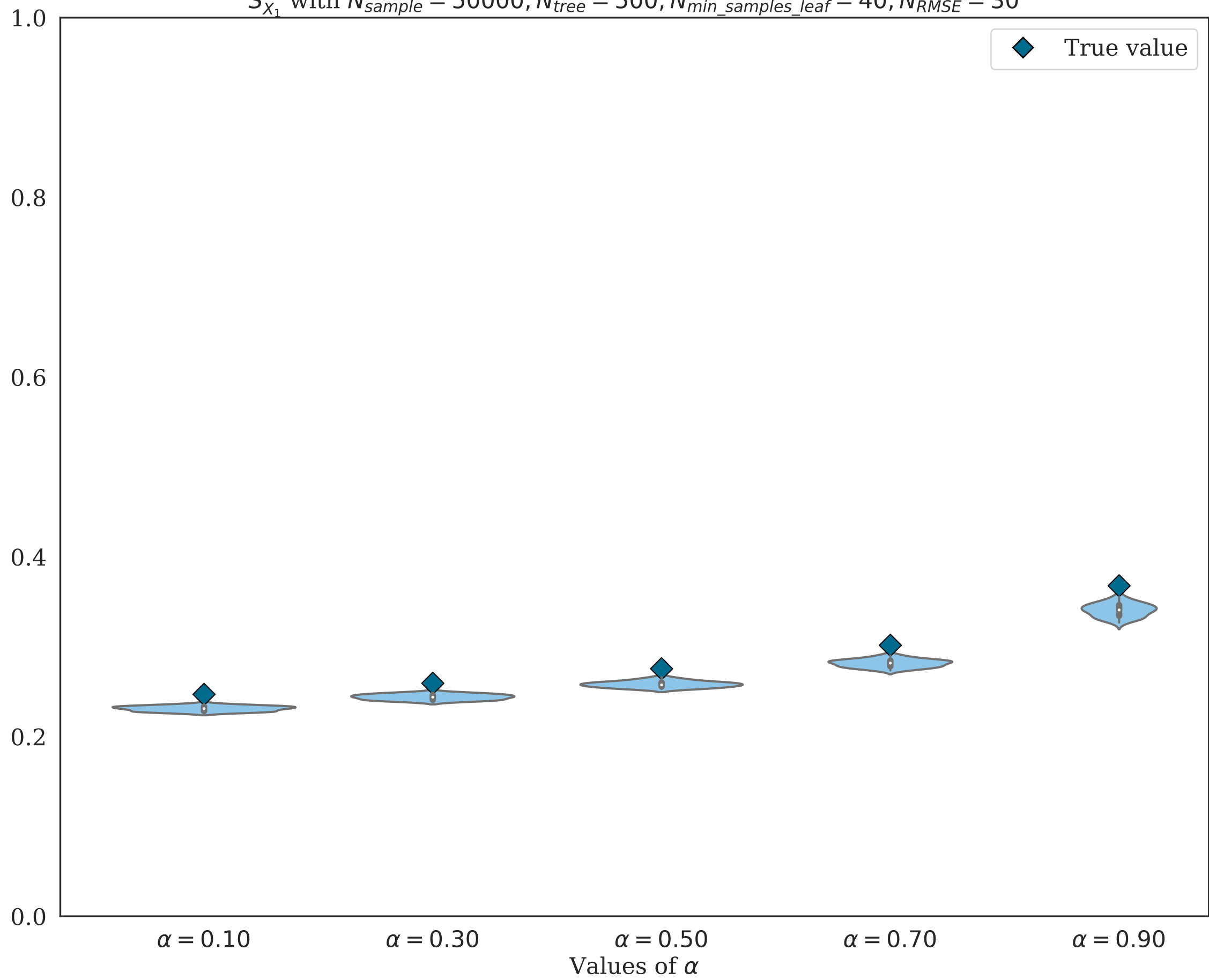
Values of α

$S_{X_1}^\alpha$ with $N_{sample} = 50000$, $N_{tree} = 500$, $N_{min\_samples\_leaf} = 40$, $N_{RMSE} = 30$

$S_{X_1}^{\alpha}$ with $N_{sample} = 50000$, $N_{tree} = 500$, $N_{min\_samples\_leaf} = 40$, $N_{RMSE} = 30$

$S^{\alpha}_{X_2}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

$S^\alpha_{X_2}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

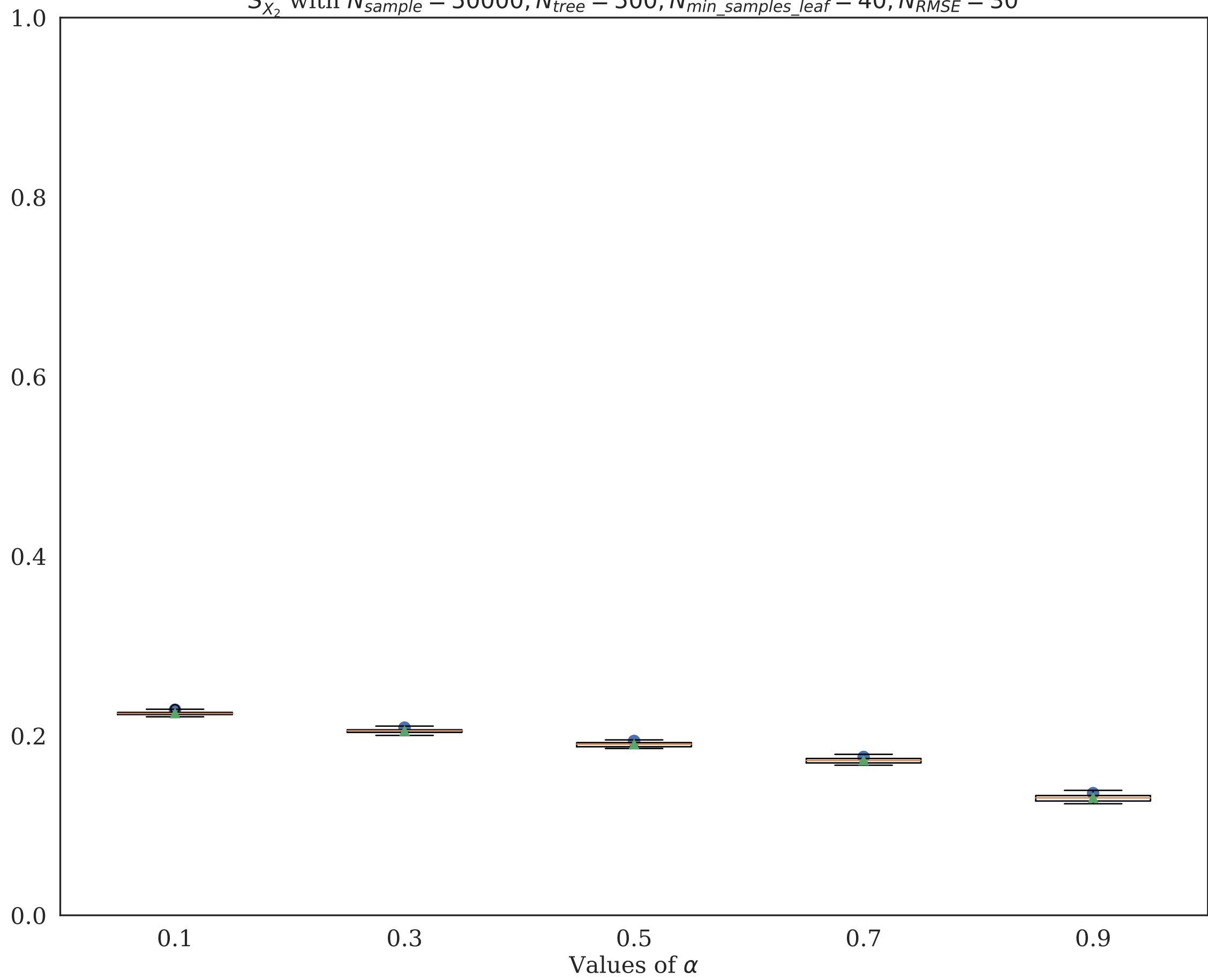$S_{X_2}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$
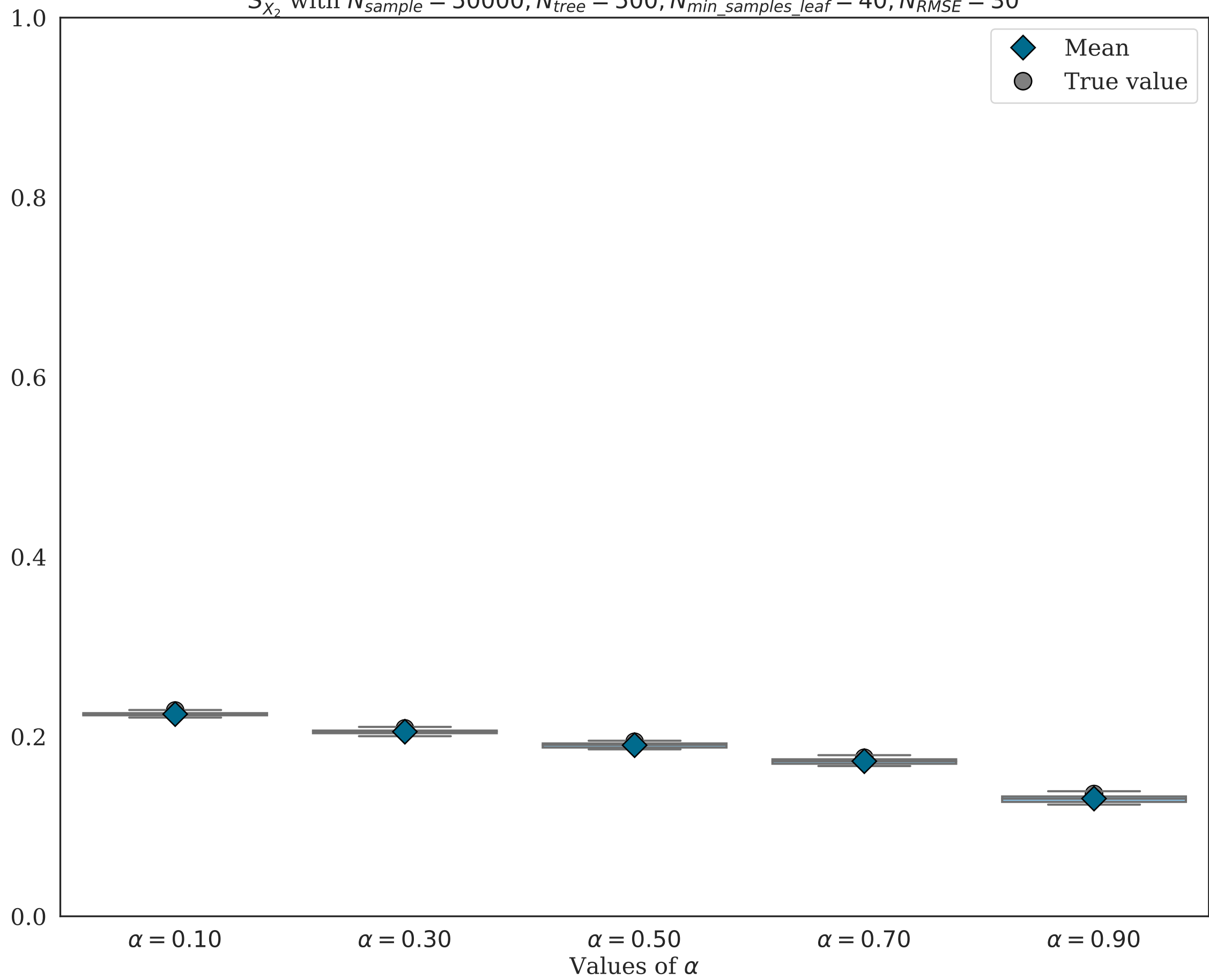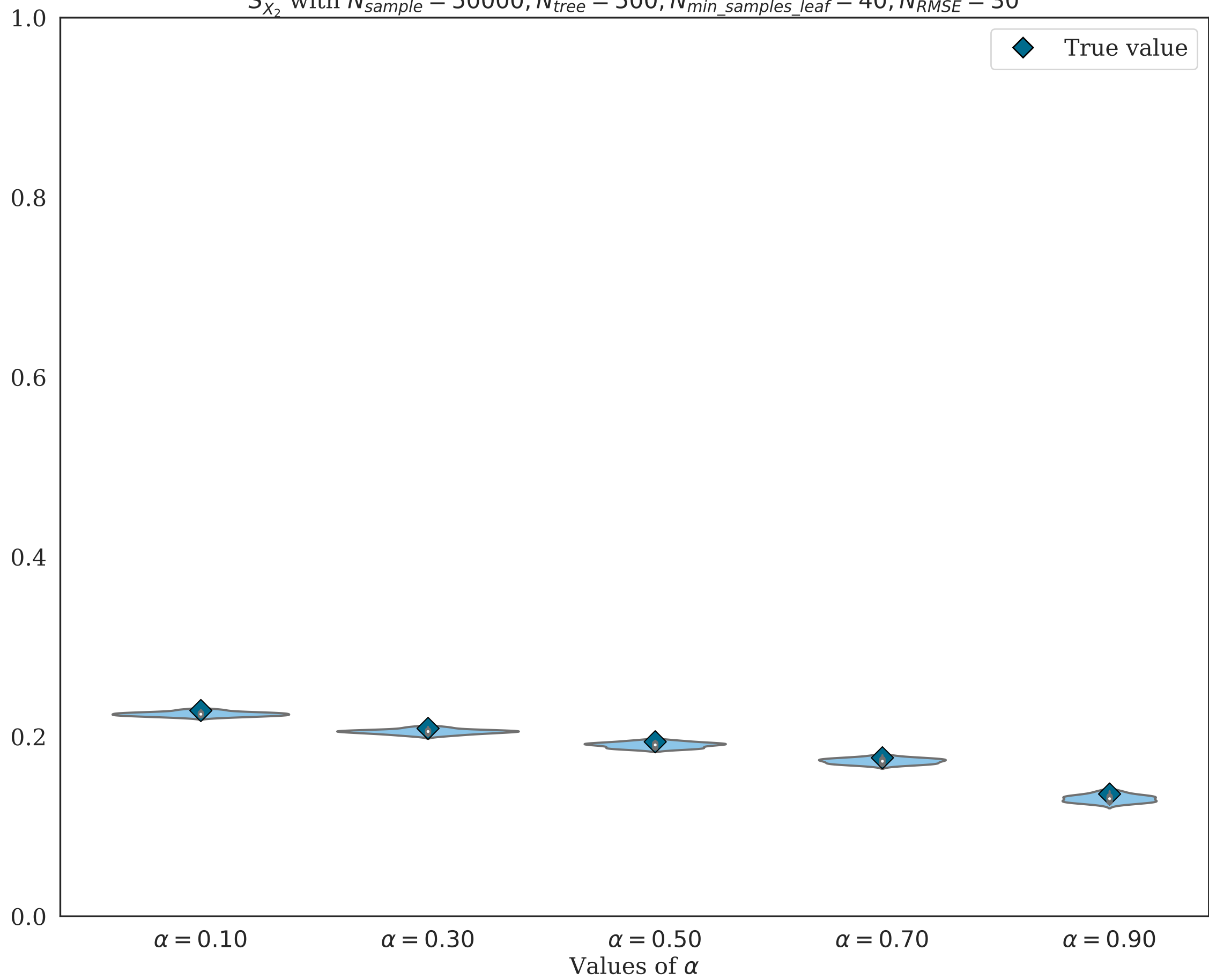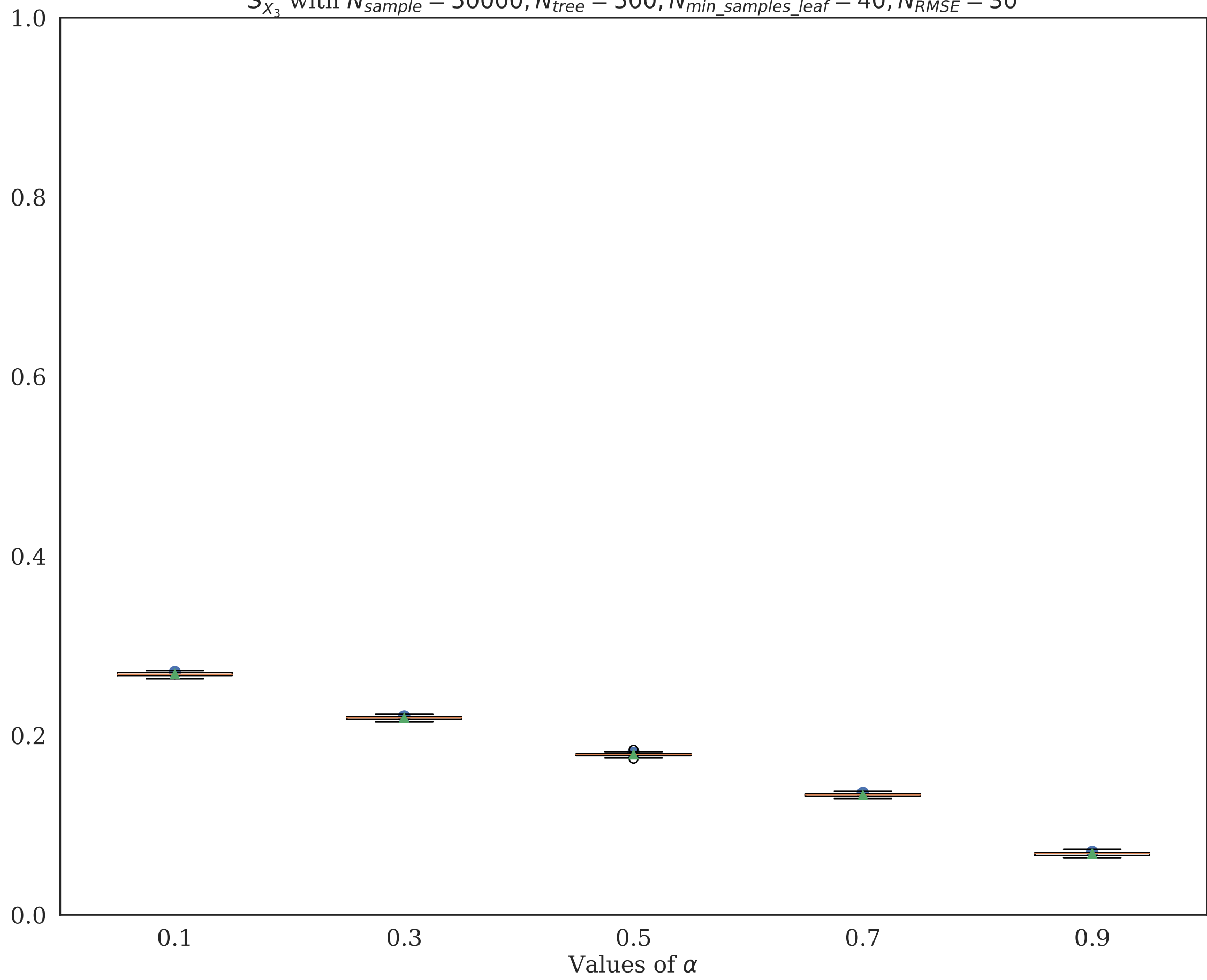
$S_{X_3}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$
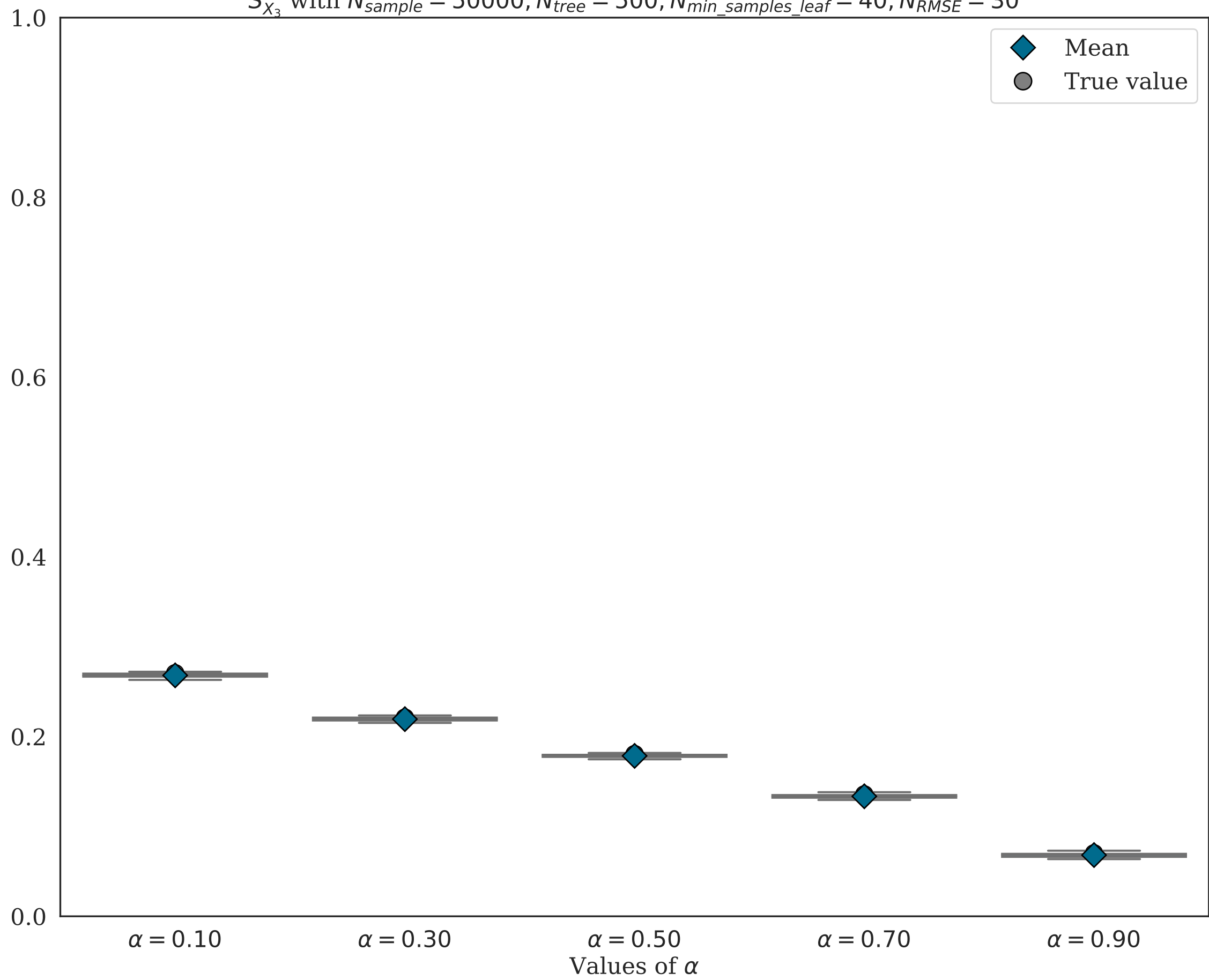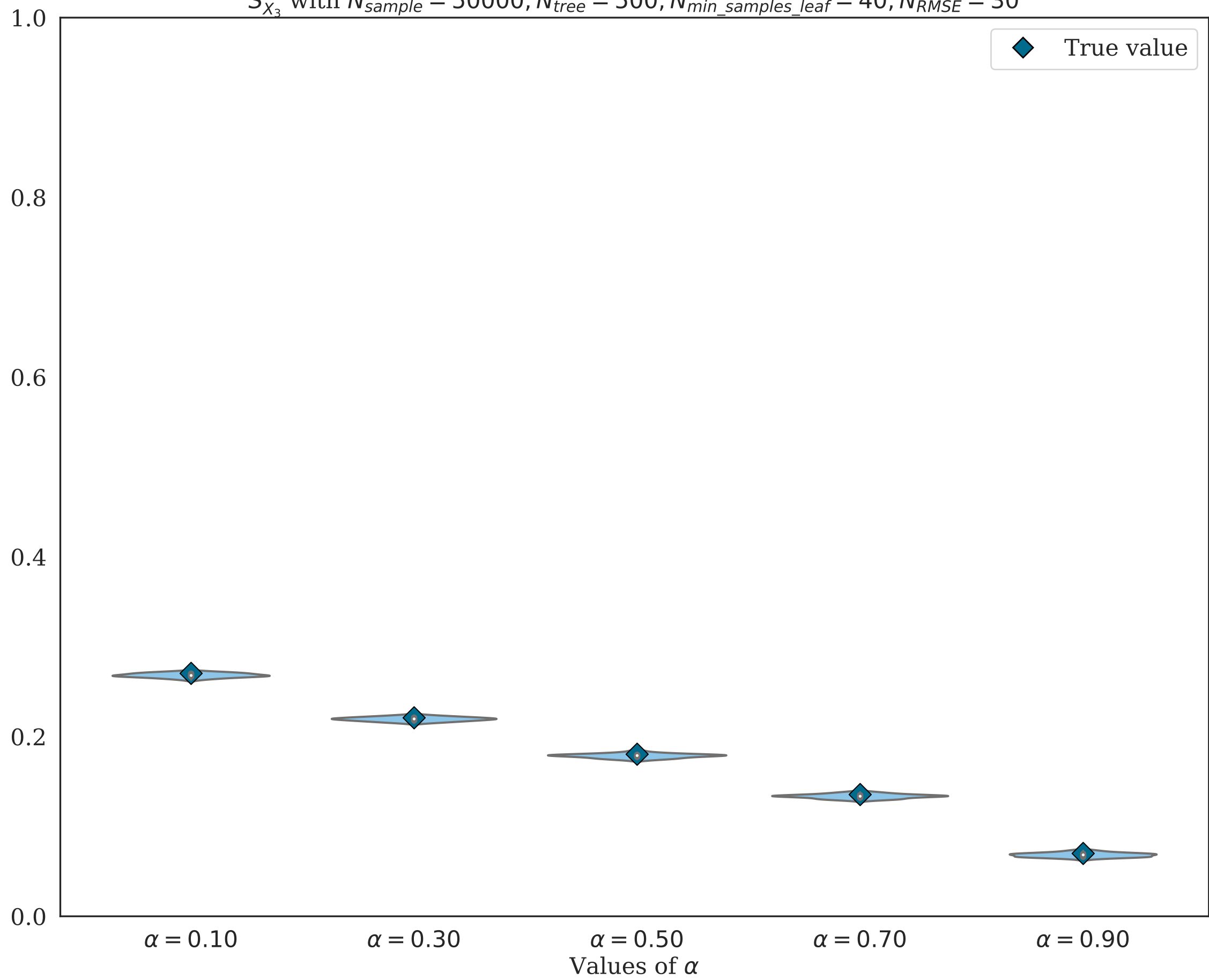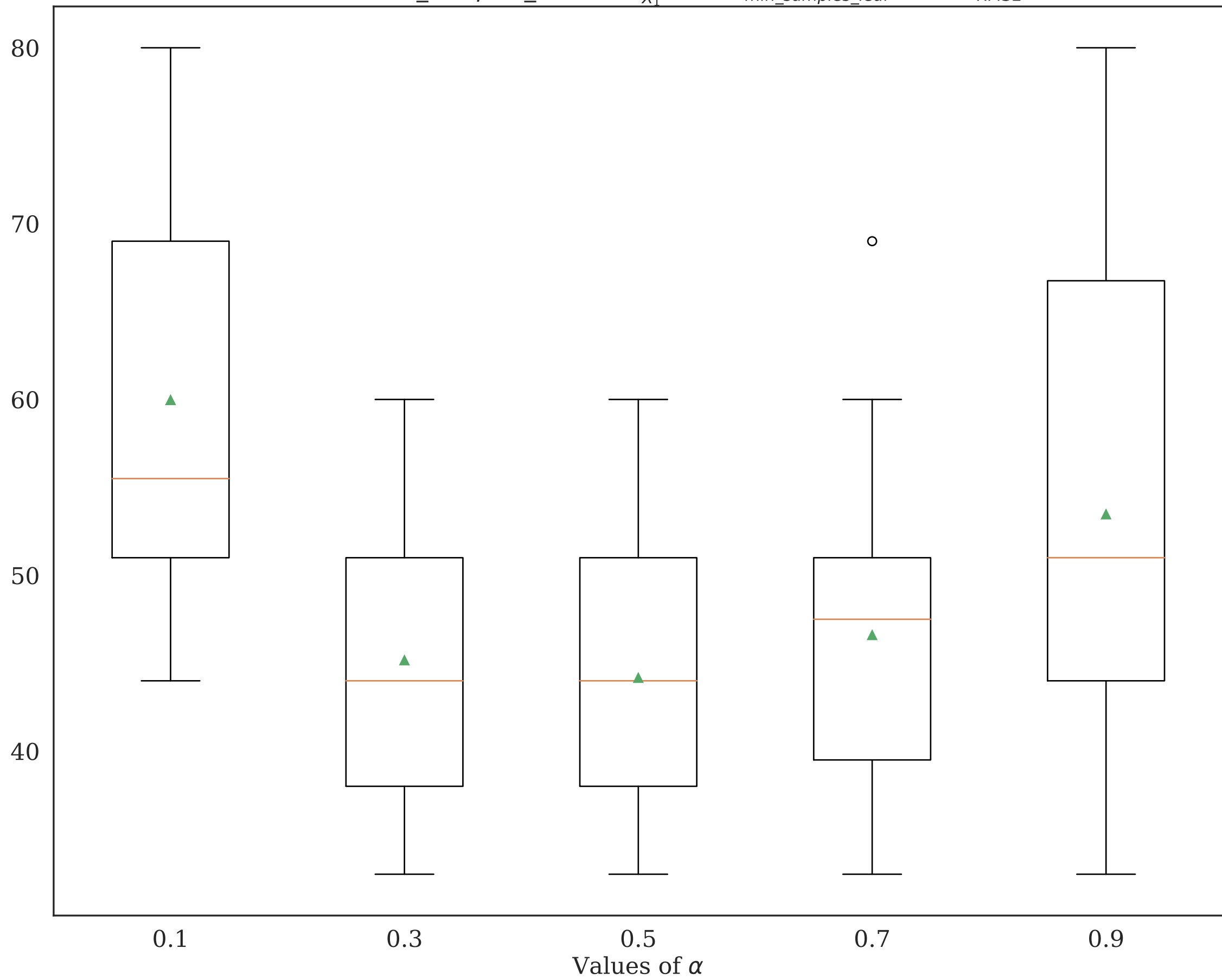
$S_{X_3}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

$S_{X_3}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 500, N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$
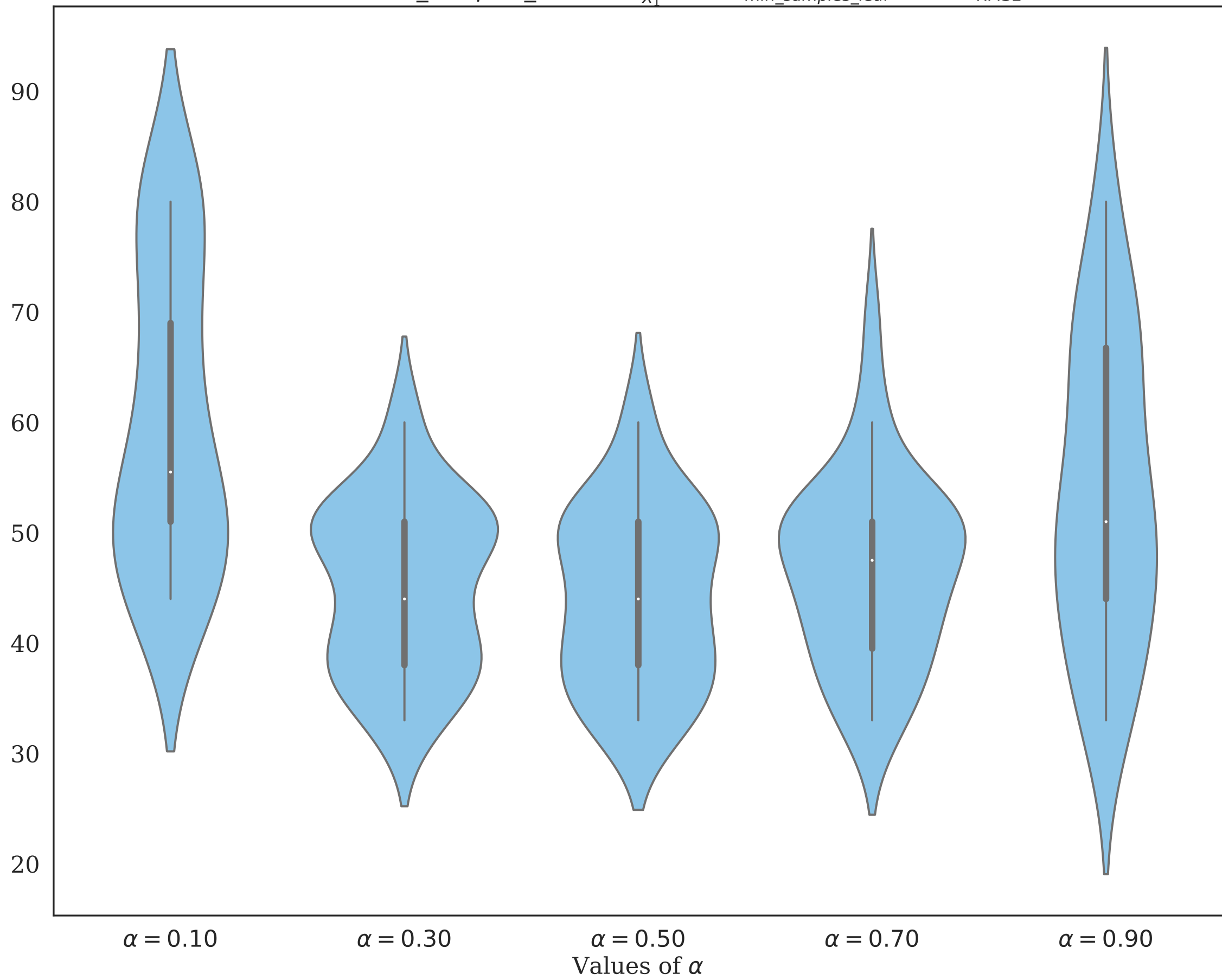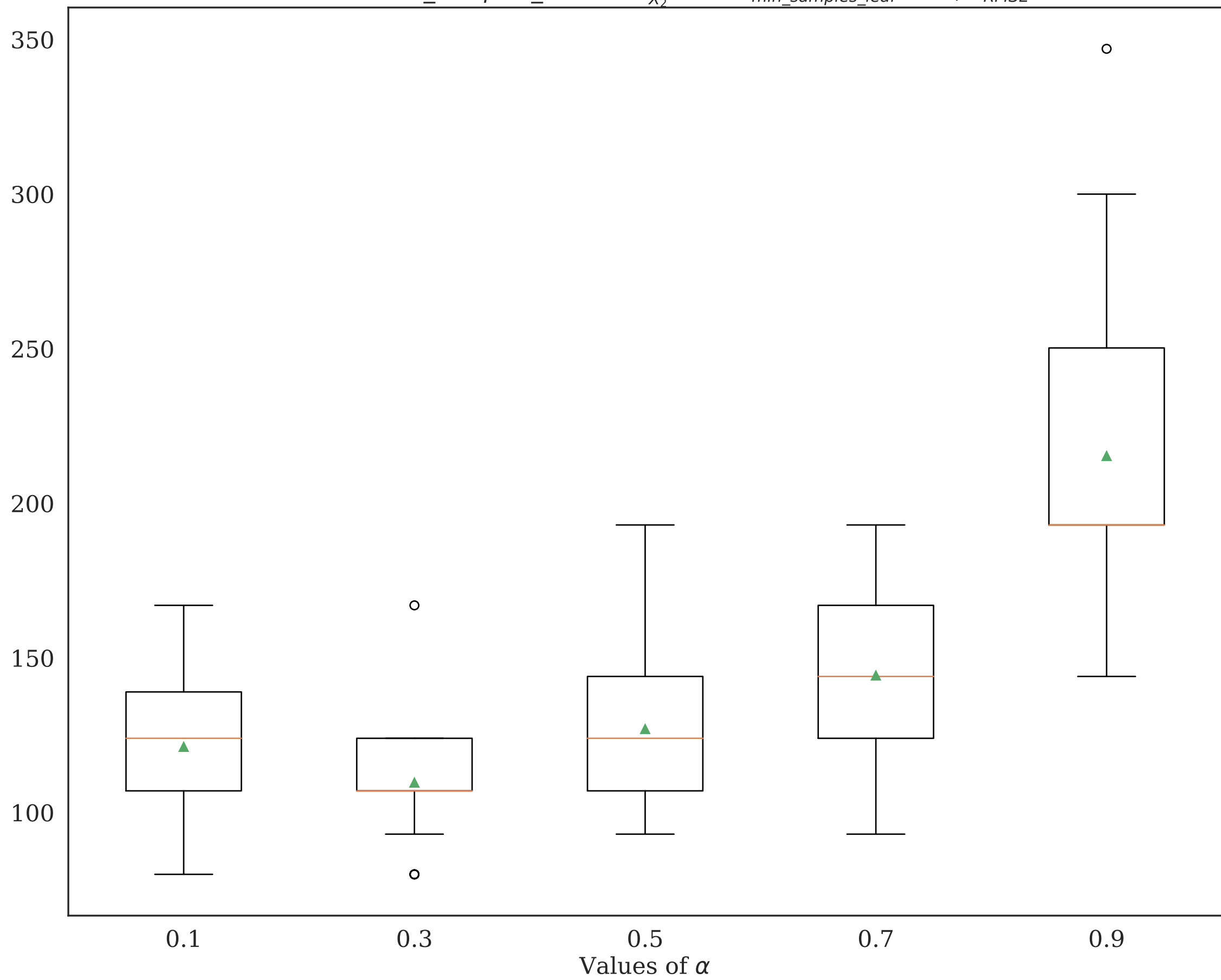
Distribution of *min_samples_leaf* for $S^{\alpha}_{X_1}$ with $N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

Distribution of *min_samples_leaf* for $S_{X_1}^{\alpha}$ with $N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

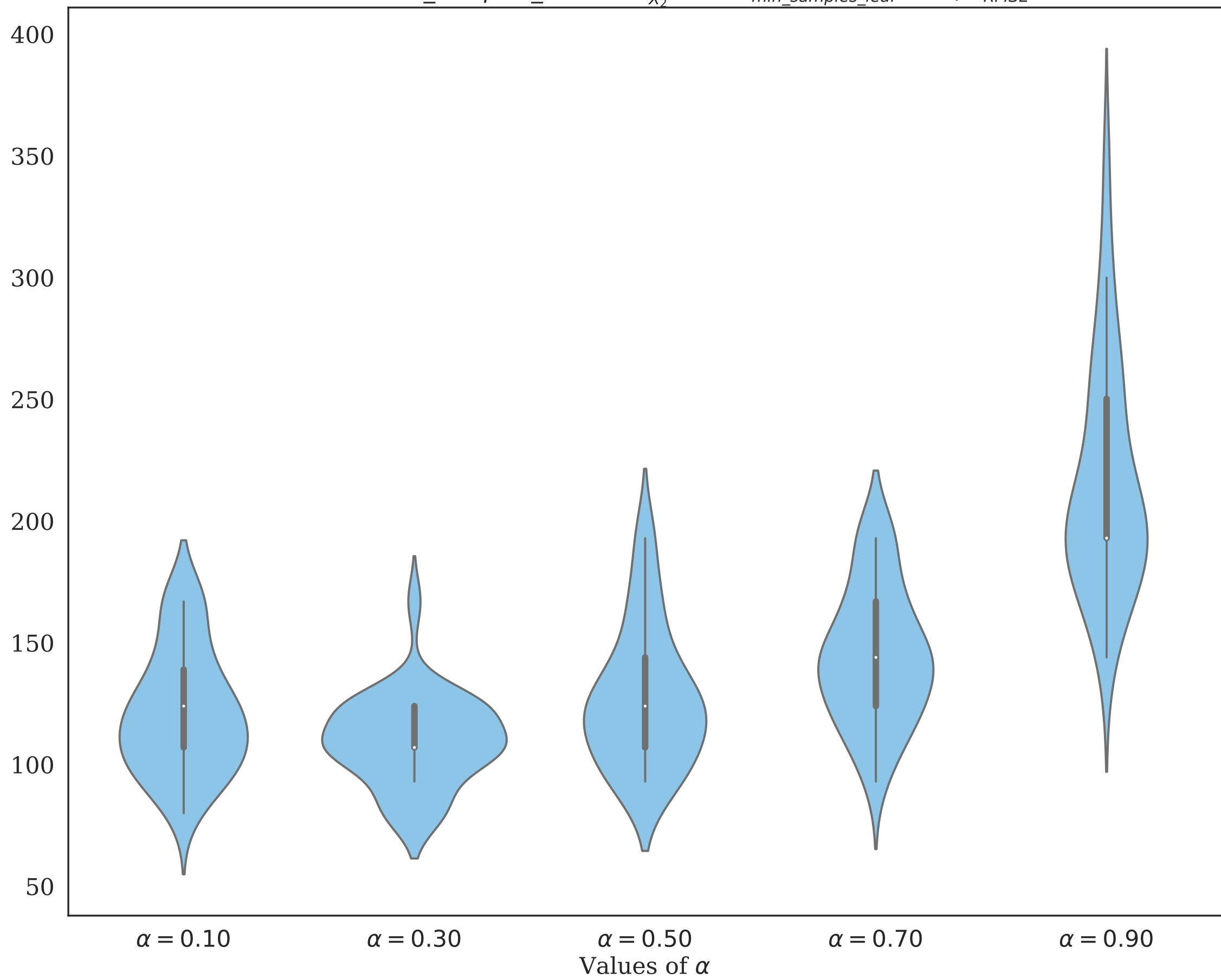Distribution of *min_samples_leaf* for $S_{X_2}^{\alpha}$ with $N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

Distribution of $min\_samples\_leaf$ for $S_{X_2}^{\alpha}$ with $N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

Distribution of *min_samples_leaf* for $S_{X_3}^{\alpha}$ with $N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$

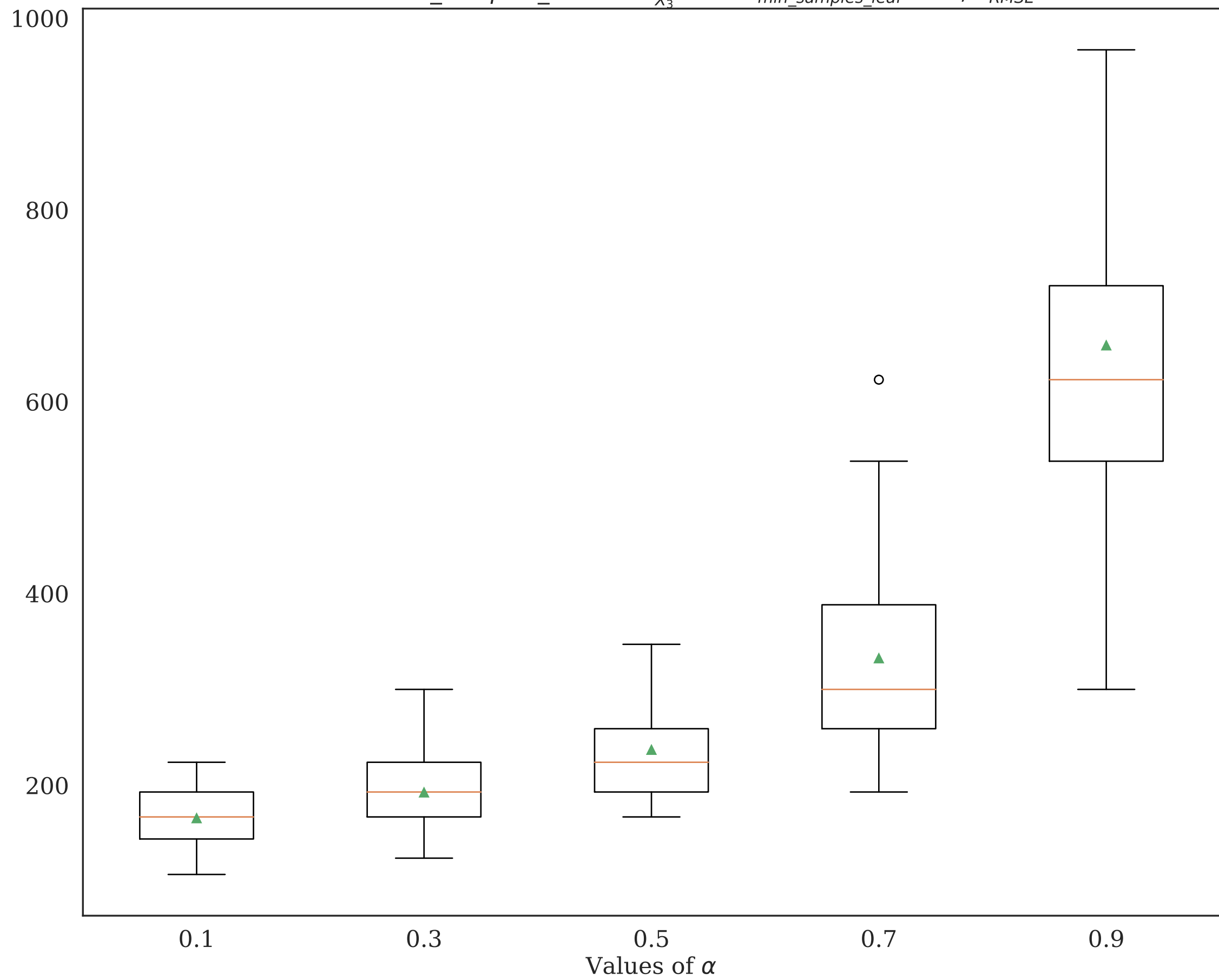Distribution of *min_samples_leaf* for $S_{X_3}^\alpha$ with $N_{min\_samples\_leaf} = 40, N_{RMSE} = 30$