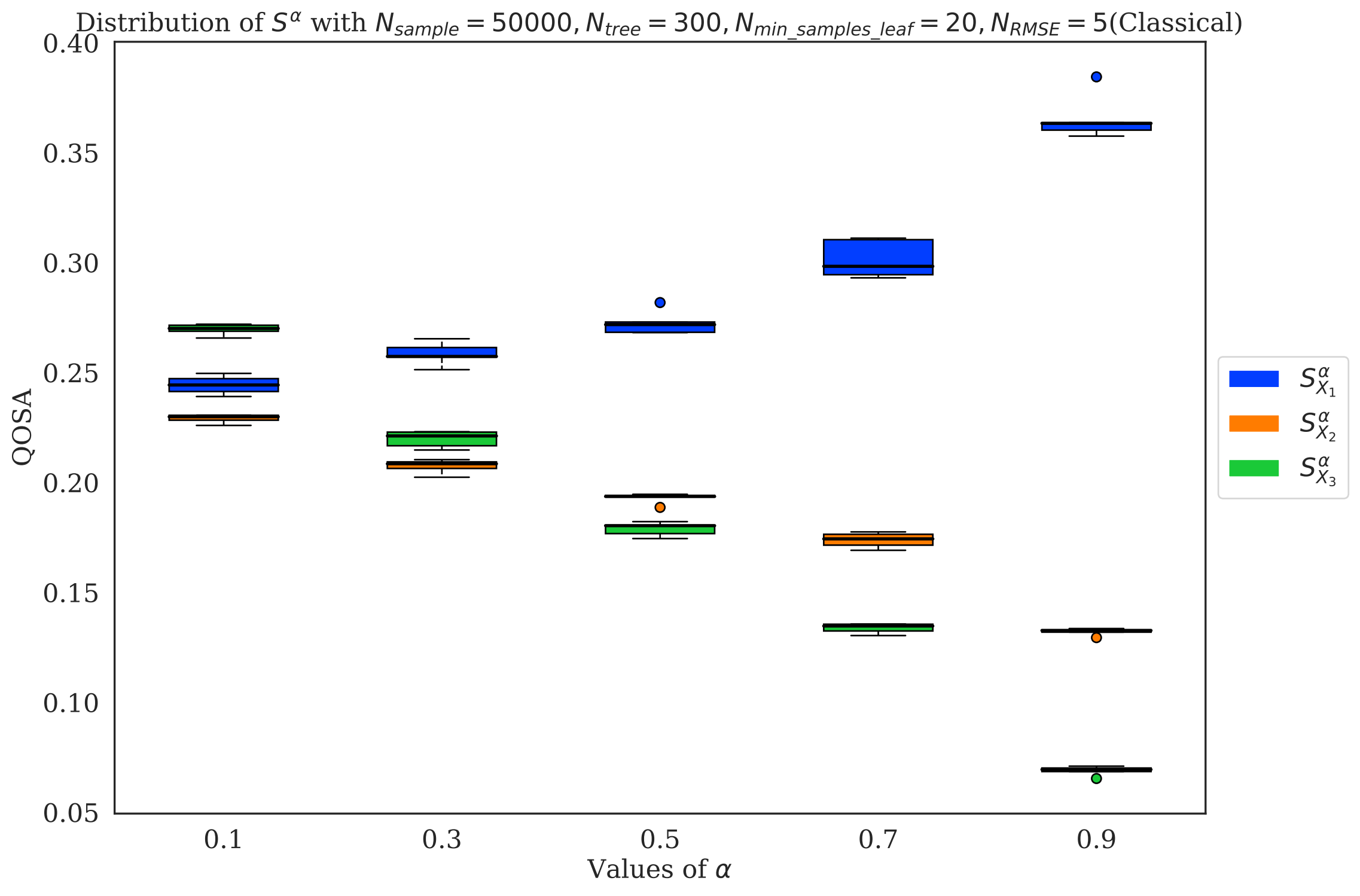
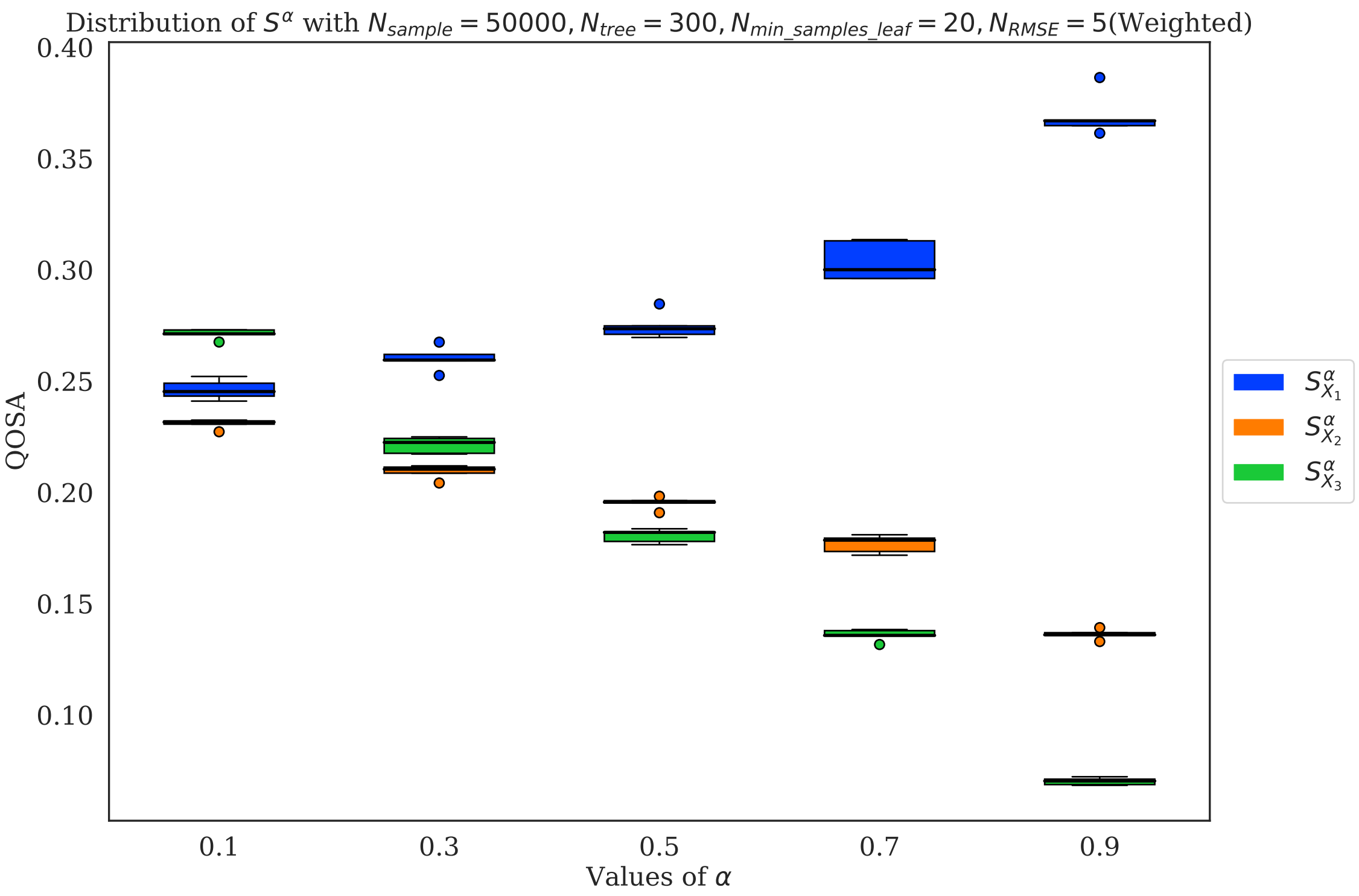
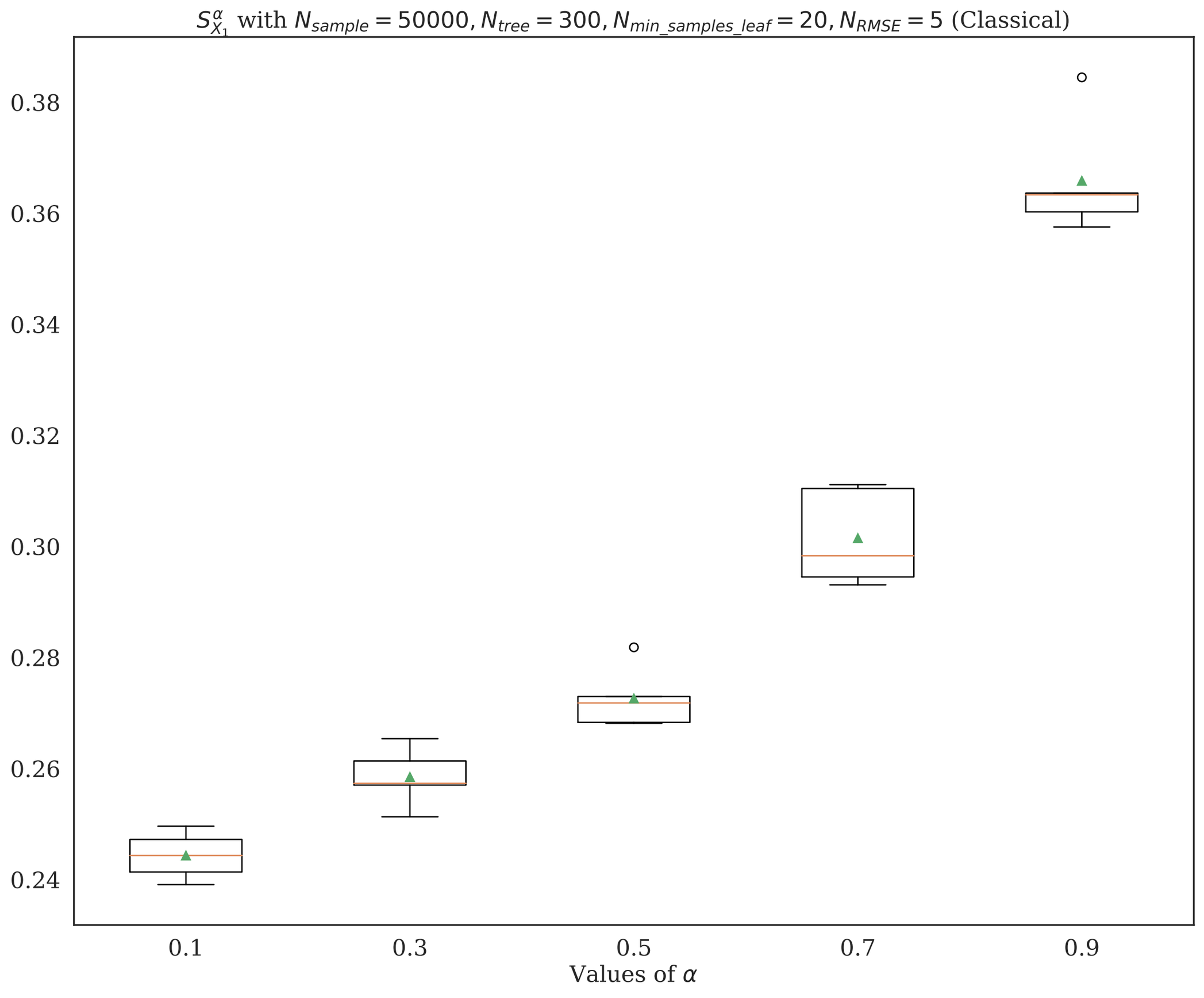
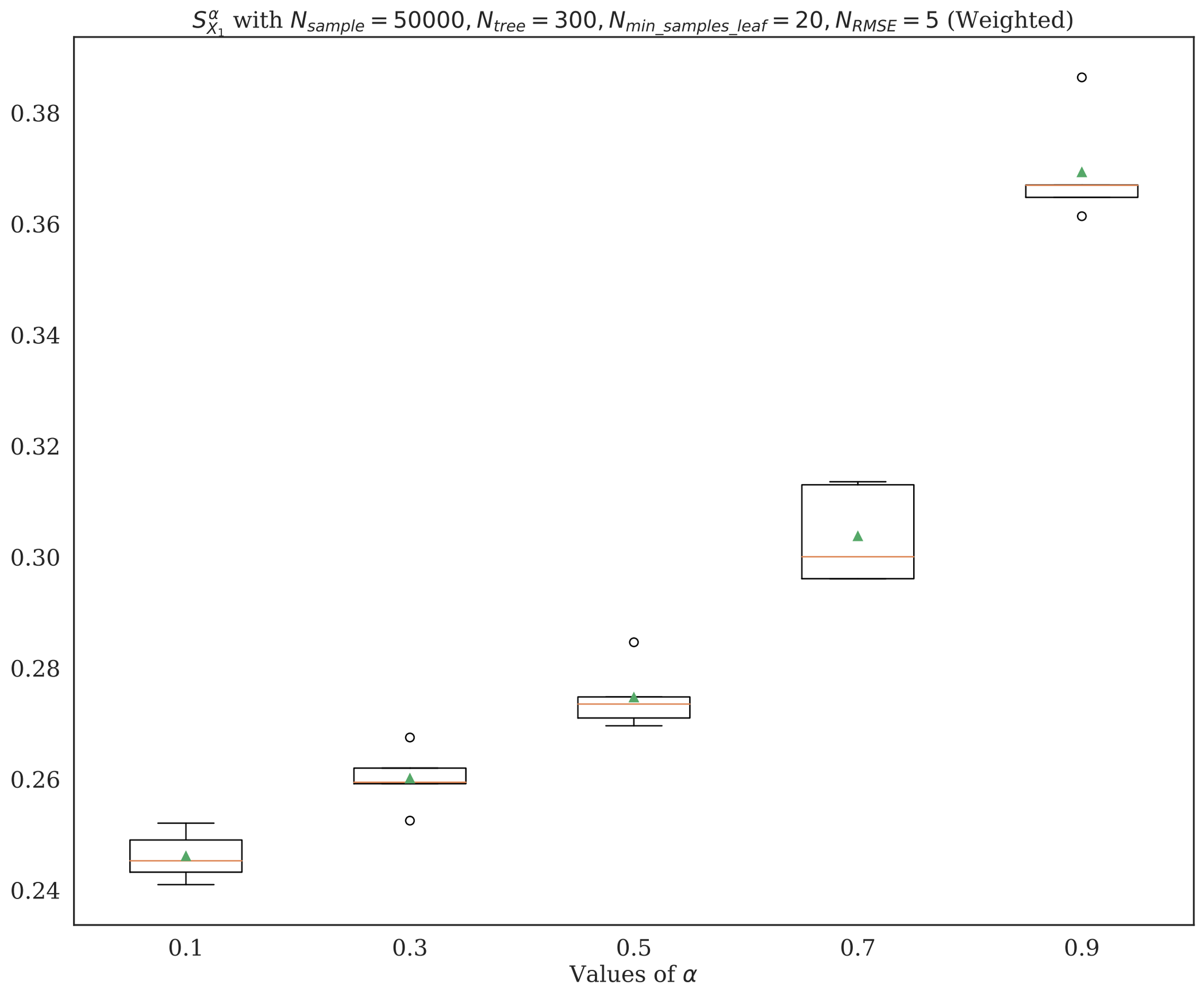
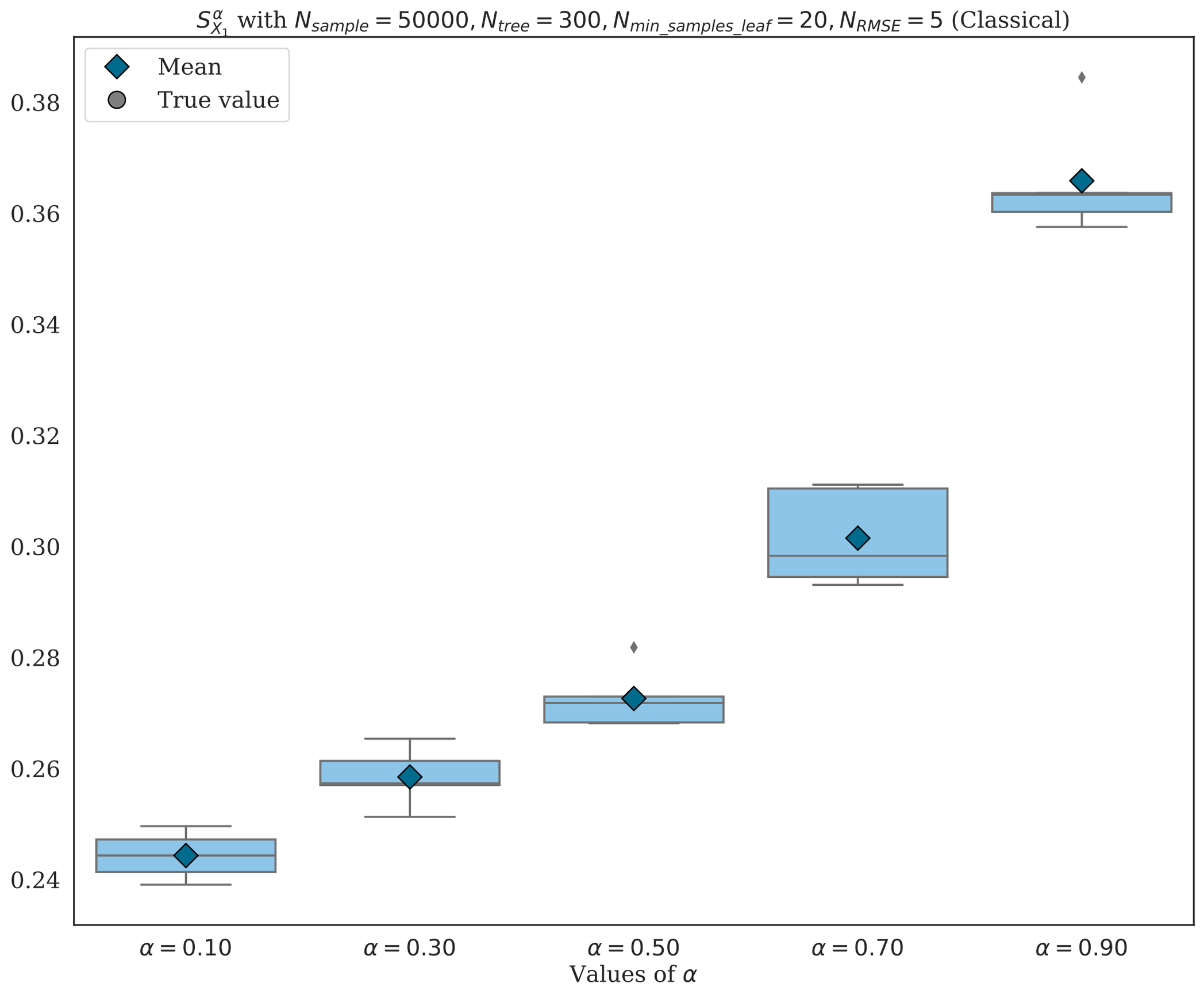
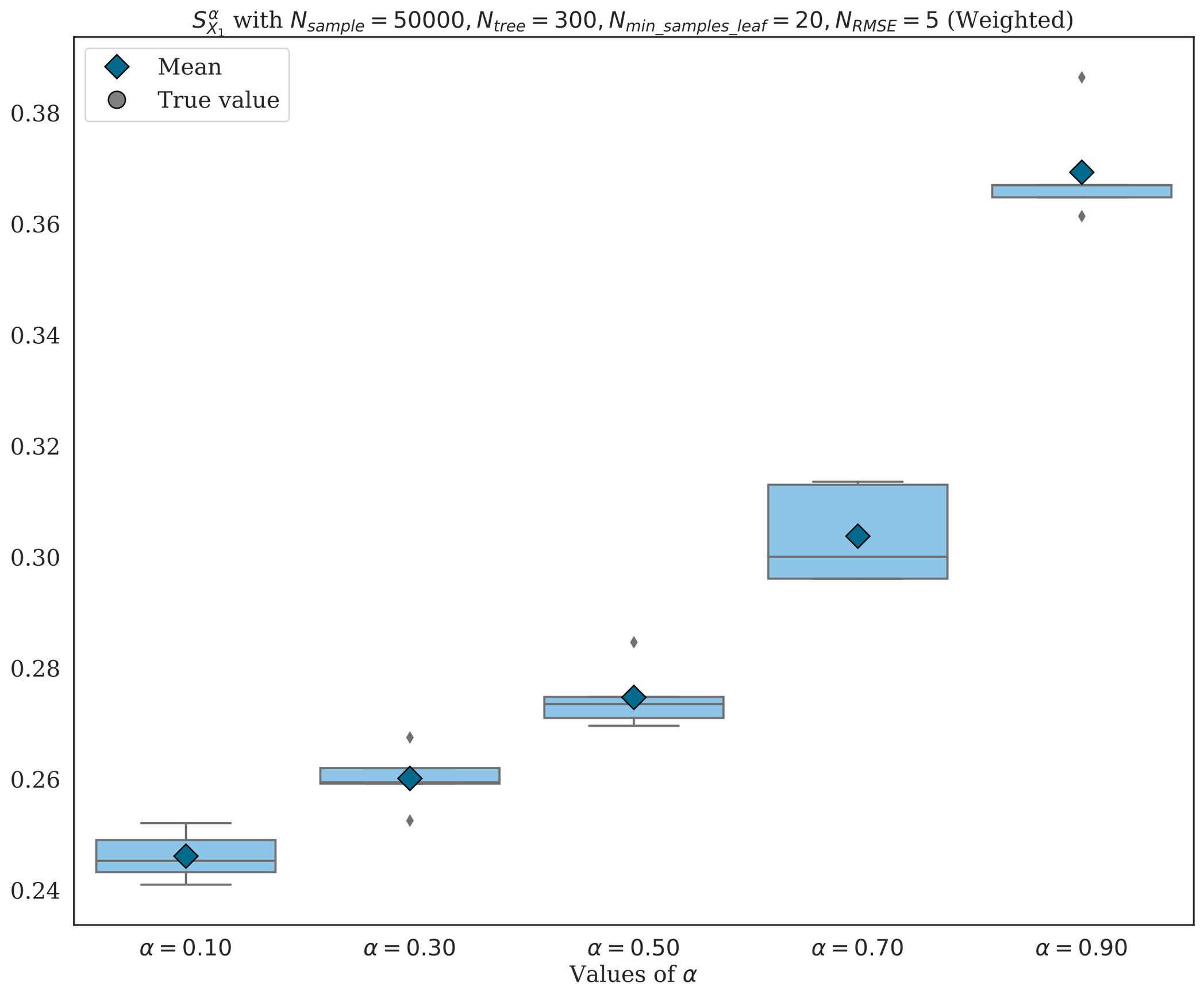

Distribution of S^{α} with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$(Classical)
QOSA
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.1
0.3
0.5
0.7
0.9
Values of α
$S^{\alpha}_{X_1}$
$S^{\alpha}_{X_2}$
$S^{\alpha}_{X_3}$

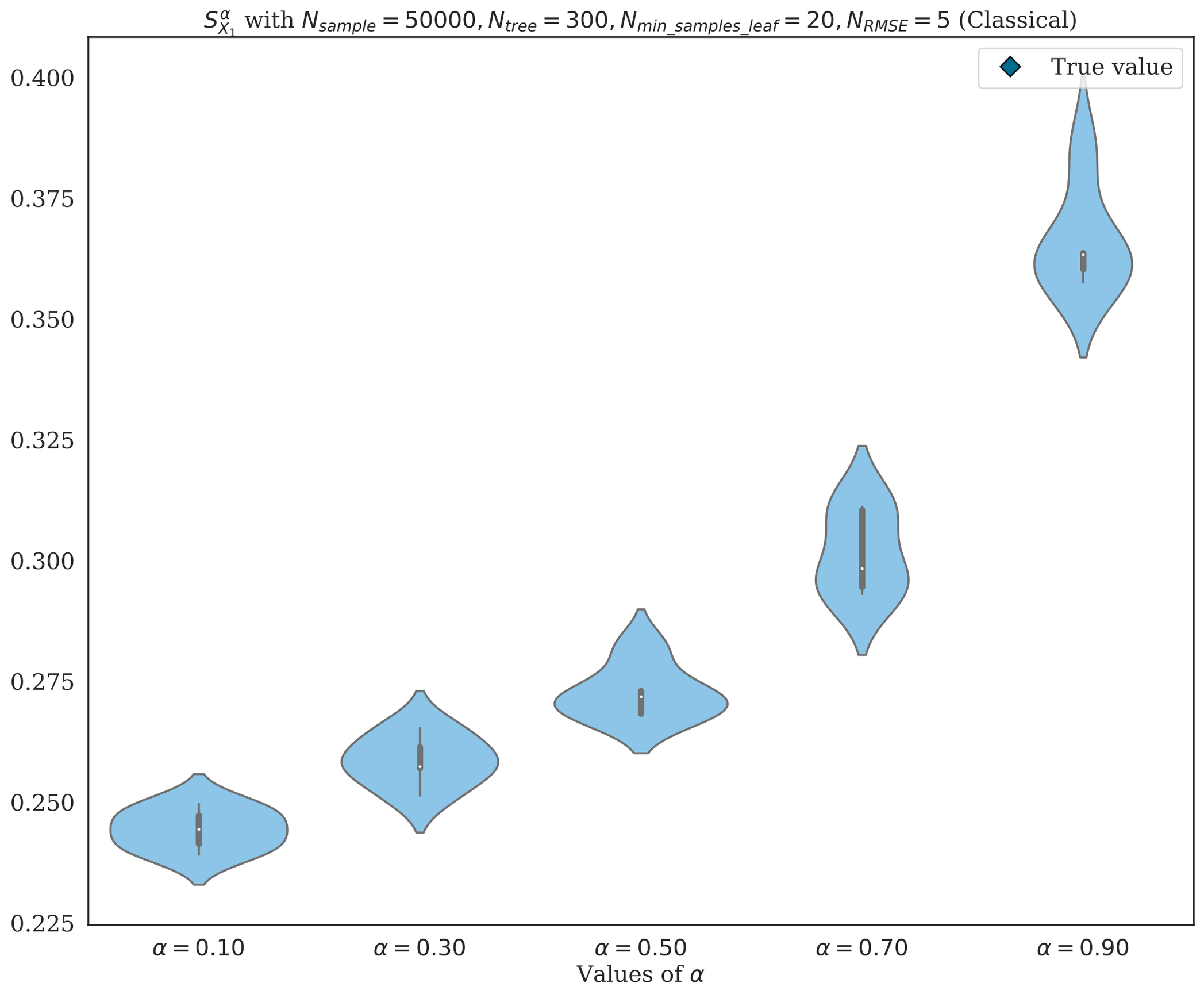

Distribution of S^{α} with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$(Weighted)
QOSA
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.1
0.3
0.5
0.7
0.9
Values of α
$S^{\alpha}_{X_1}$
$S^{\alpha}_{X_2}$
$S^{\alpha}_{X_3}$

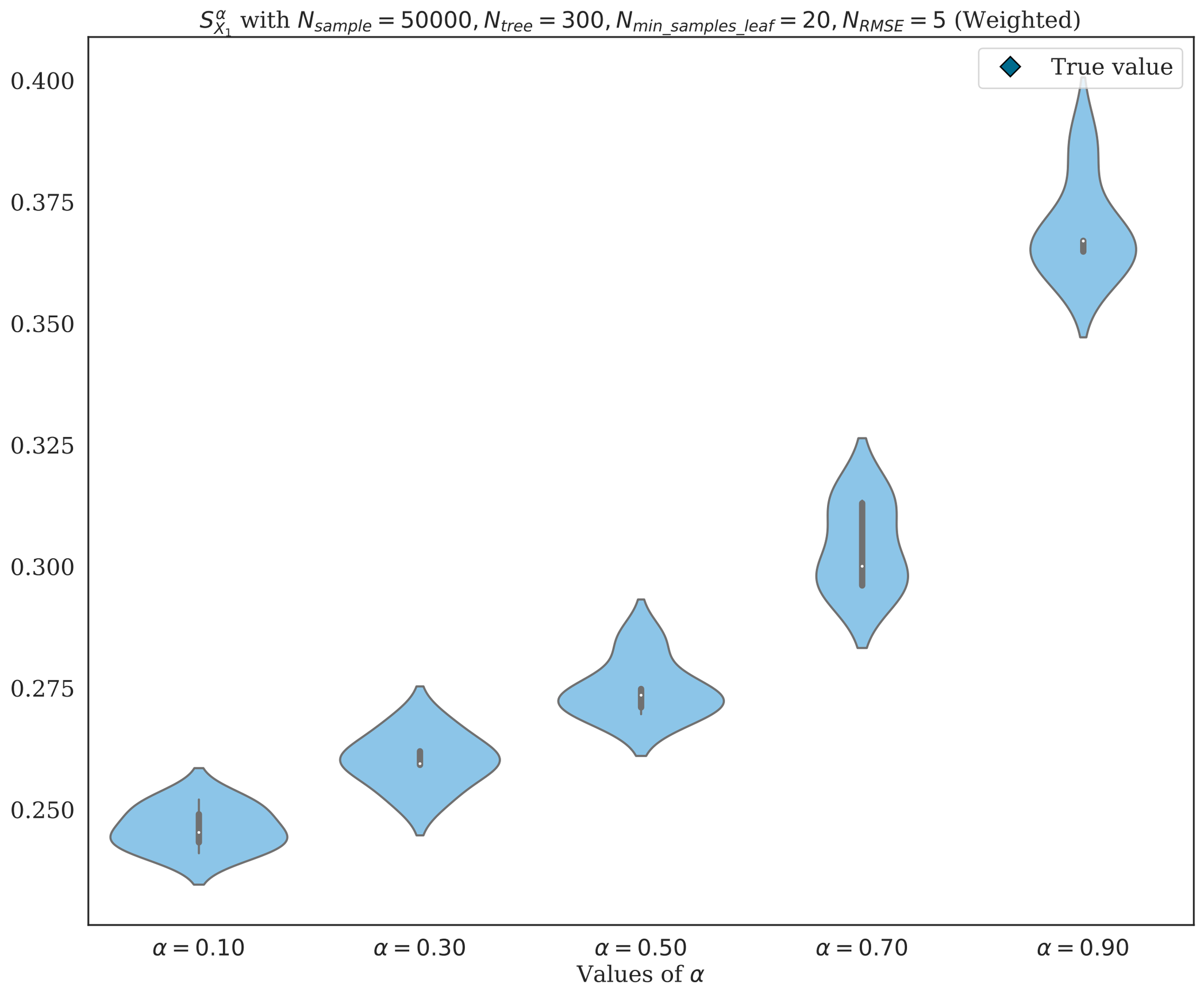

$S^{\alpha}_{X_1}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
0.1
0.3
0.5
0.7
0.9
Values of α

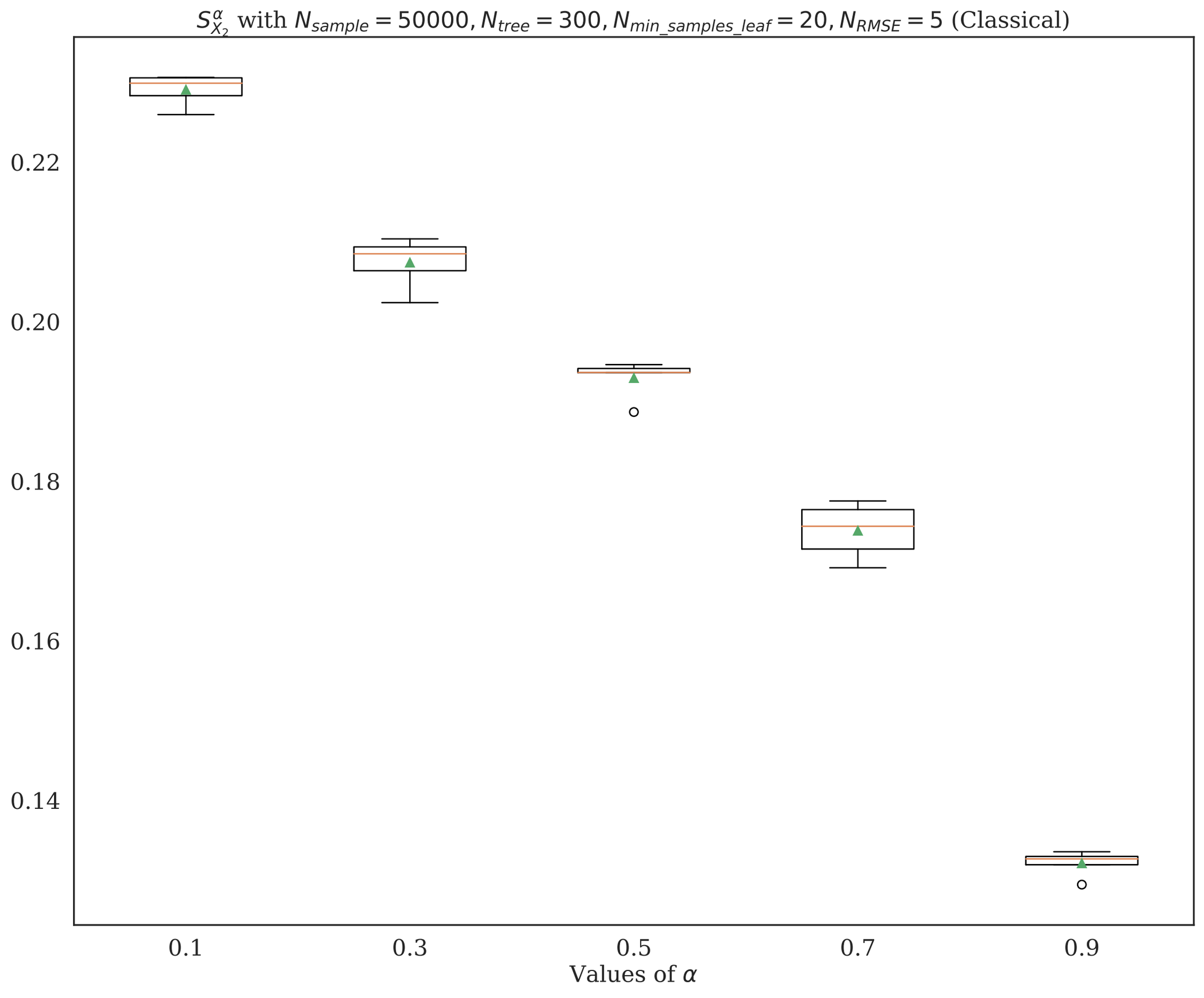

$S_{X_1}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
0.1
0.3
0.5
0.7
0.9
Values of α

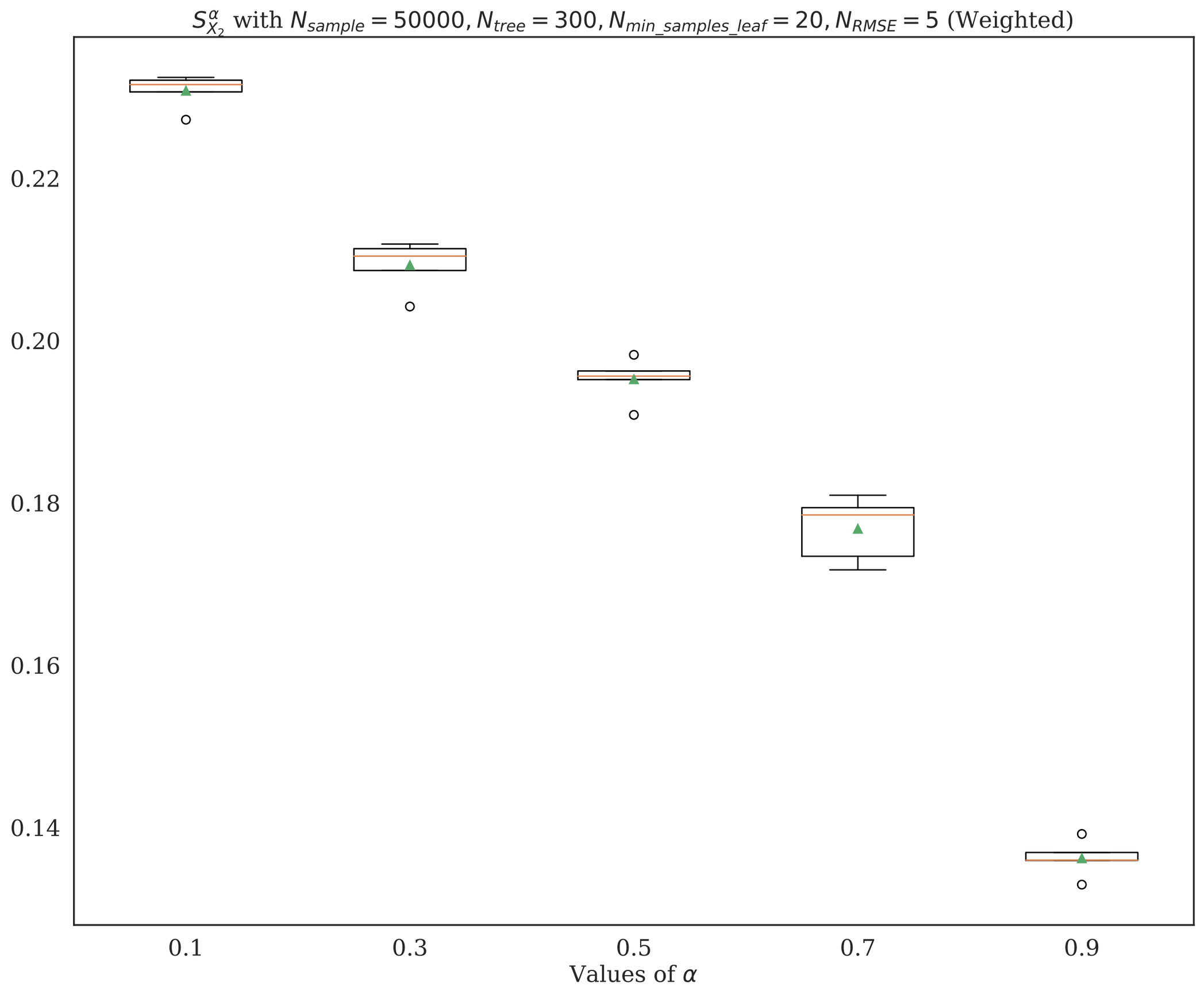

$S^{\alpha}_{X_1}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
Mean
True value
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

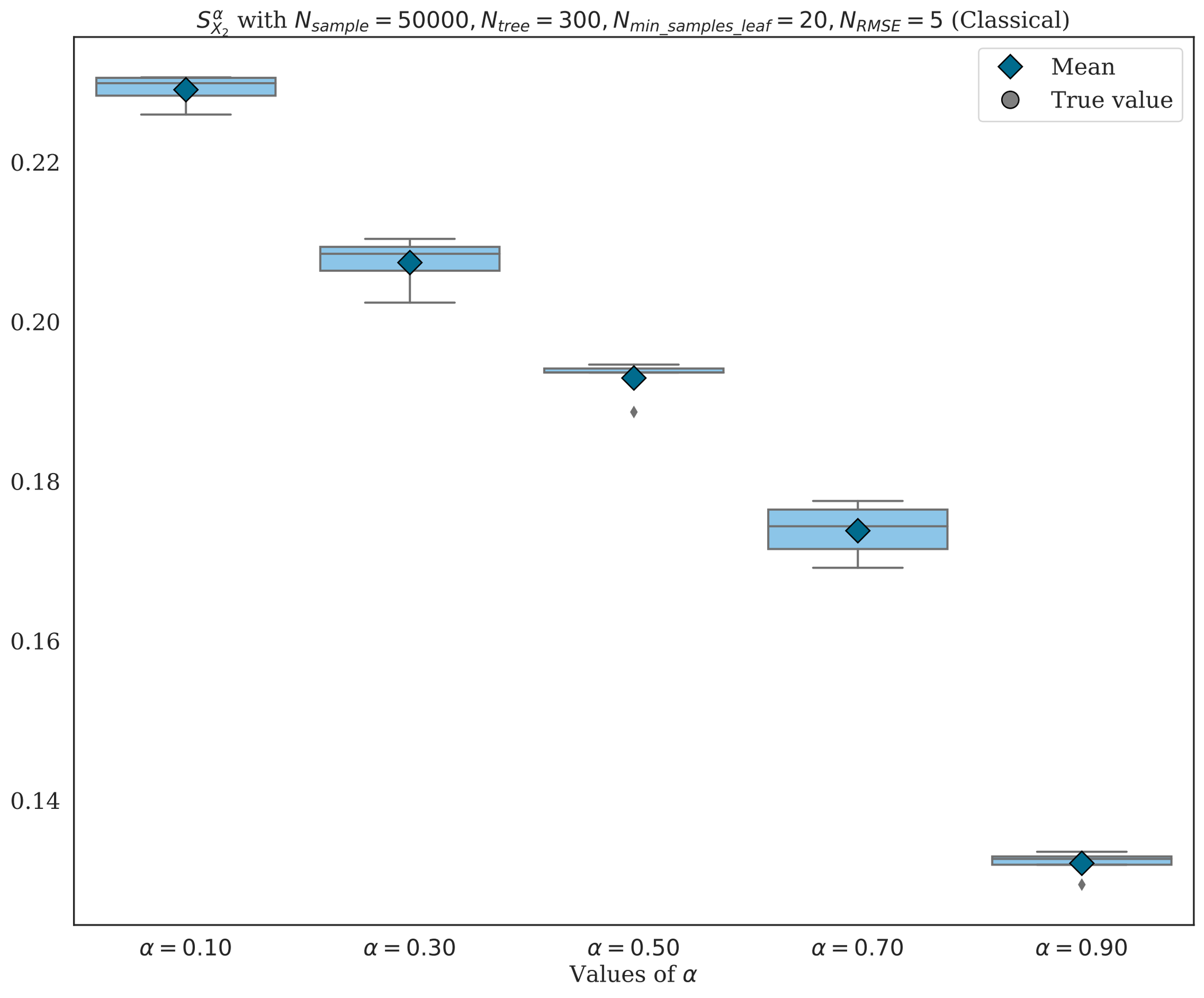

$S_{X_1}^{\alpha}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
Mean
True value
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

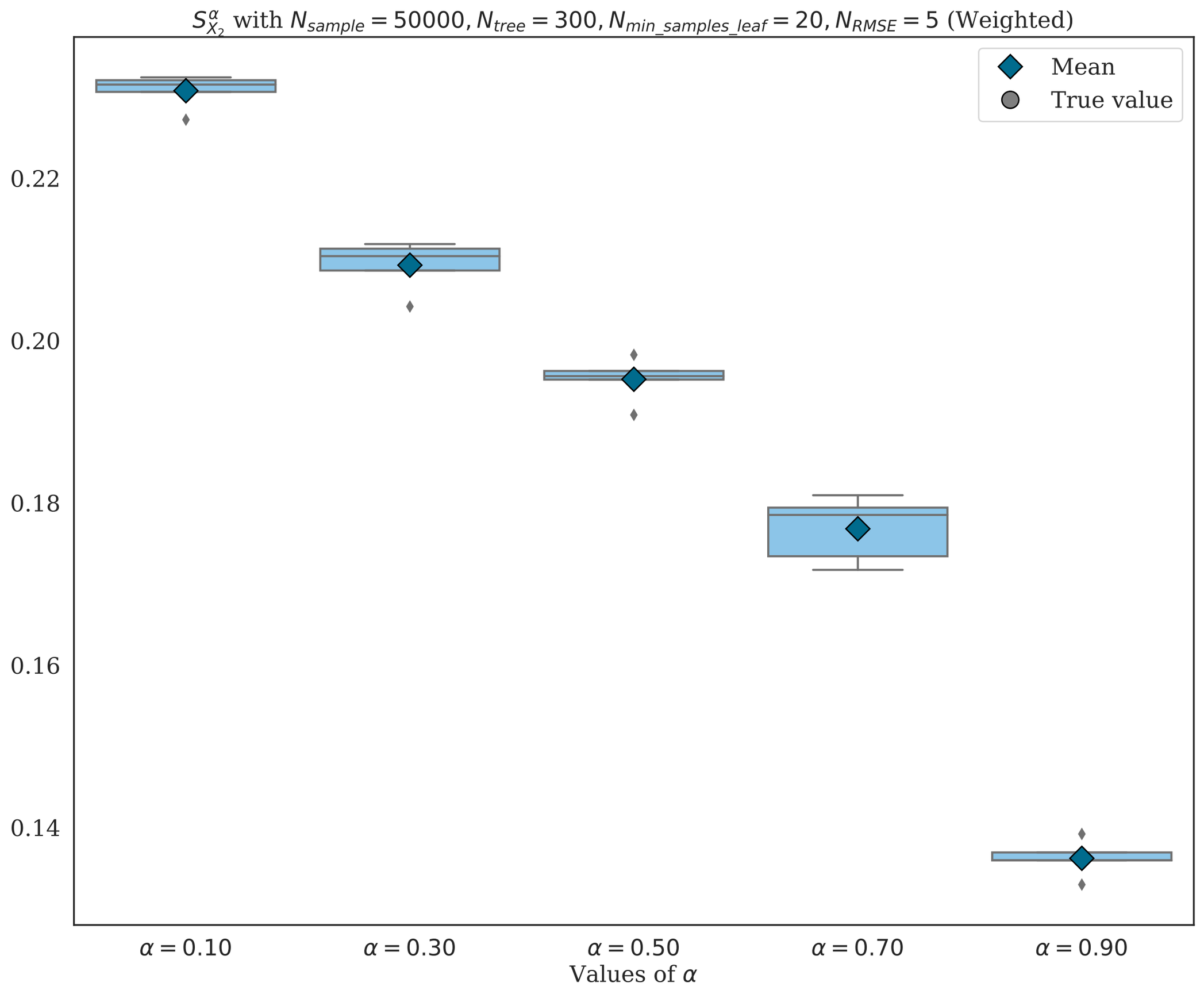

$S^{\alpha}_{X_1}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
True value
0.400
0.375
0.350
0.325
0.300
0.275
0.250
0.225
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

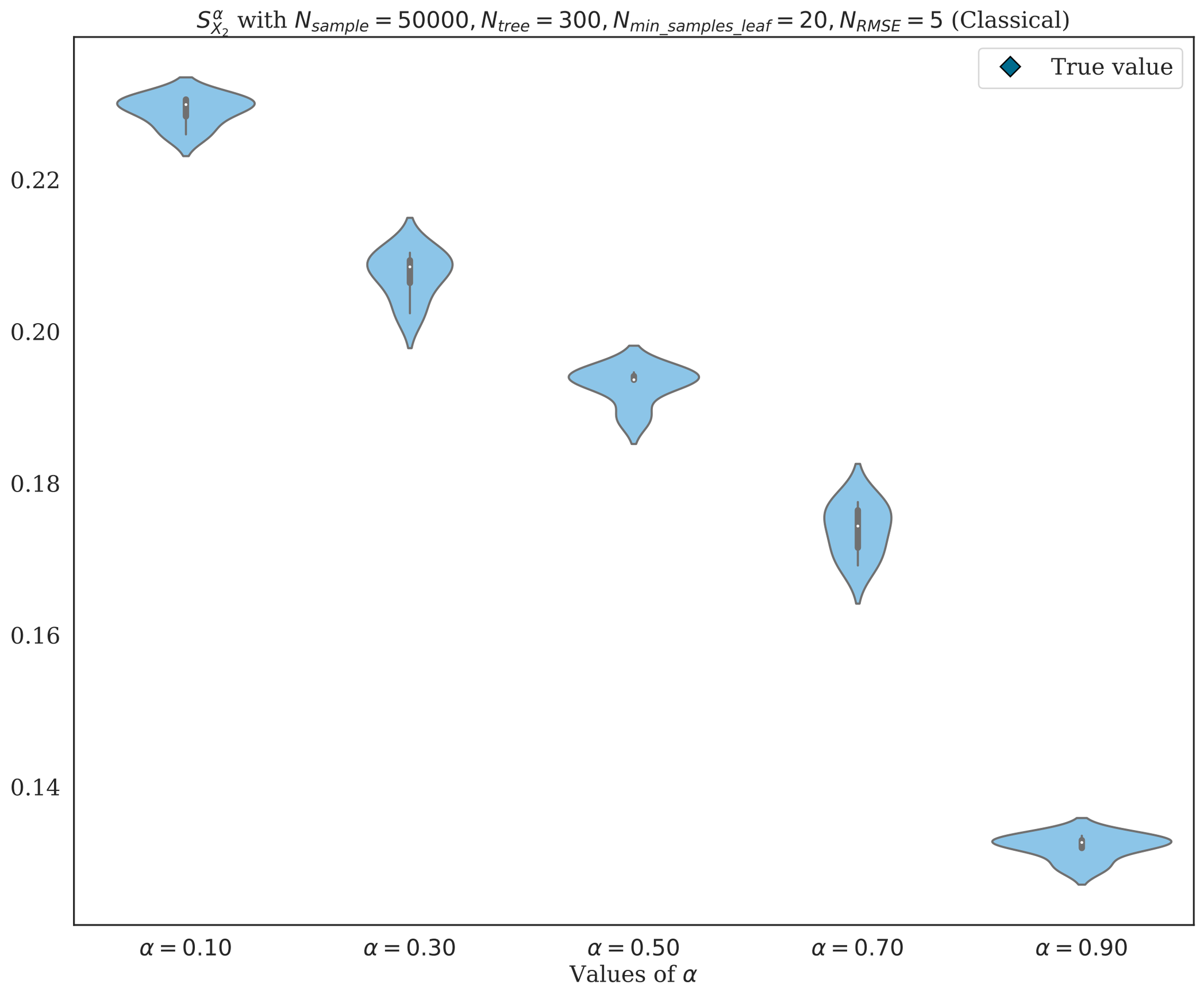

$S^{\alpha}_{X_1}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
True value
0.400
0.375
0.350
0.325
0.300
0.275
0.250
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

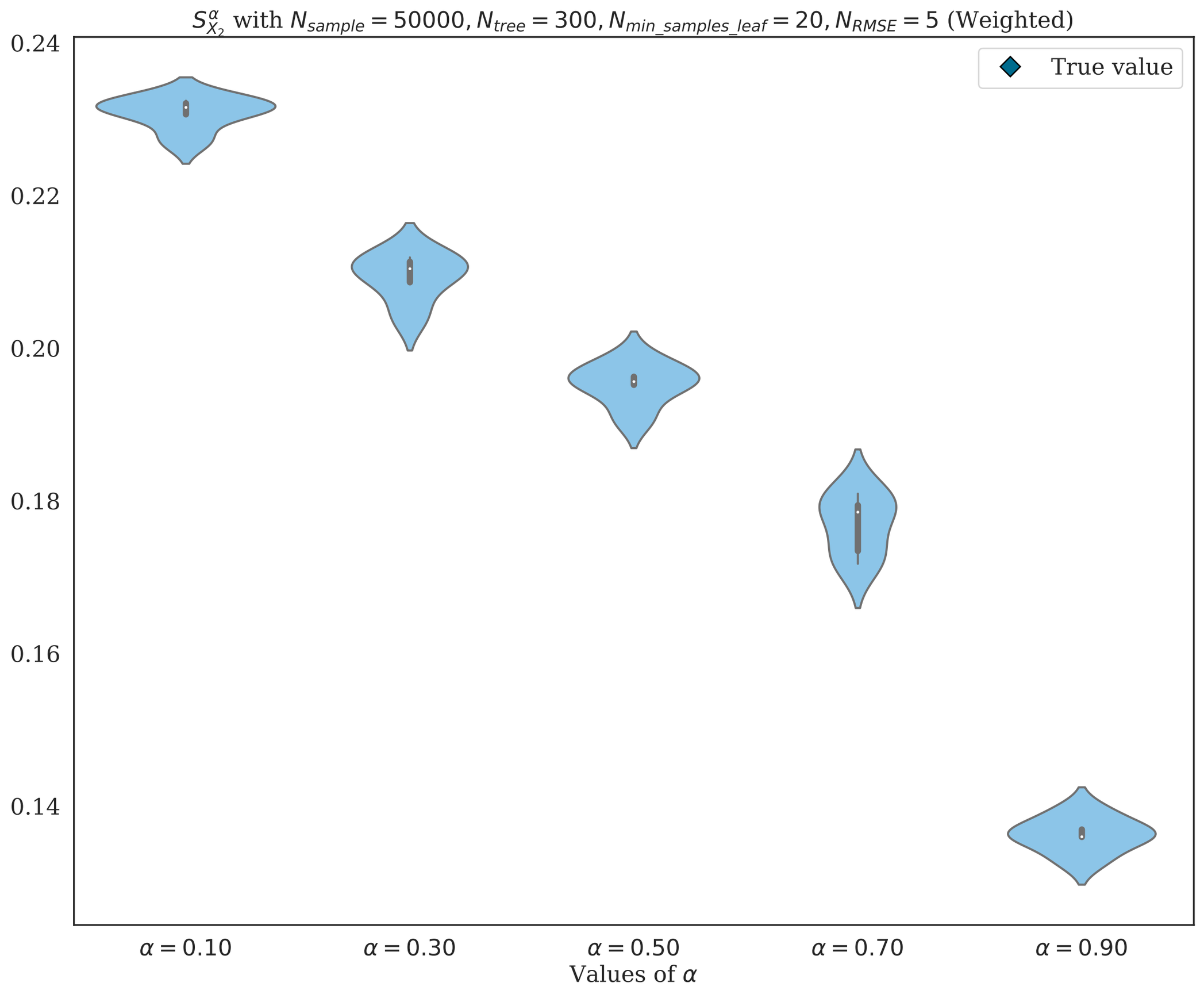

$S^{\alpha}_{X_2}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
0.22
0.20
0.18
0.16
0.14
0.1
0.3
0.5
0.7
0.9
Values of α

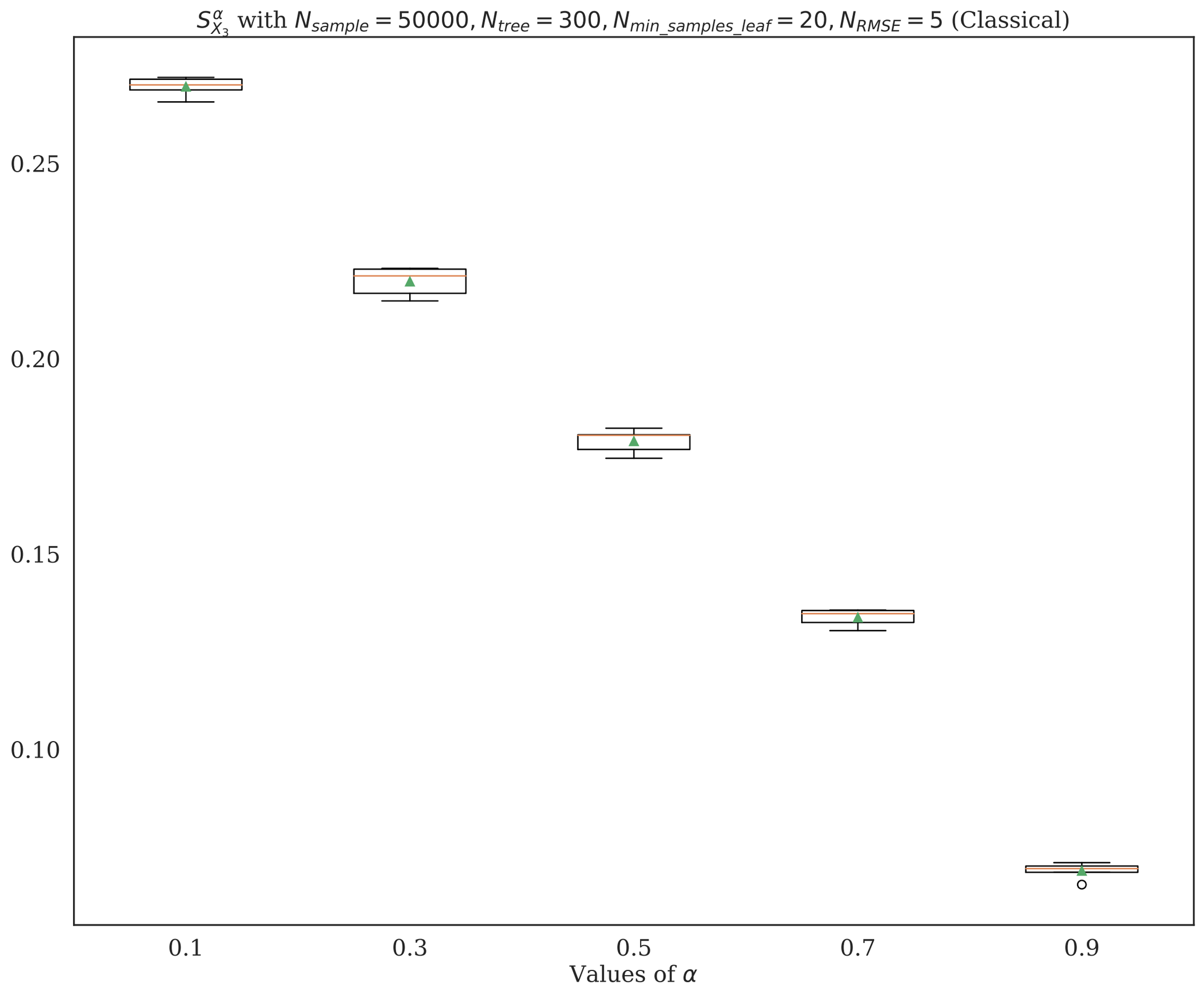

$S^{\alpha}_{X_2}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
0.22
0.20
0.18
0.16
0.14
0.1
0.3
0.5
0.7
0.9
Values of α

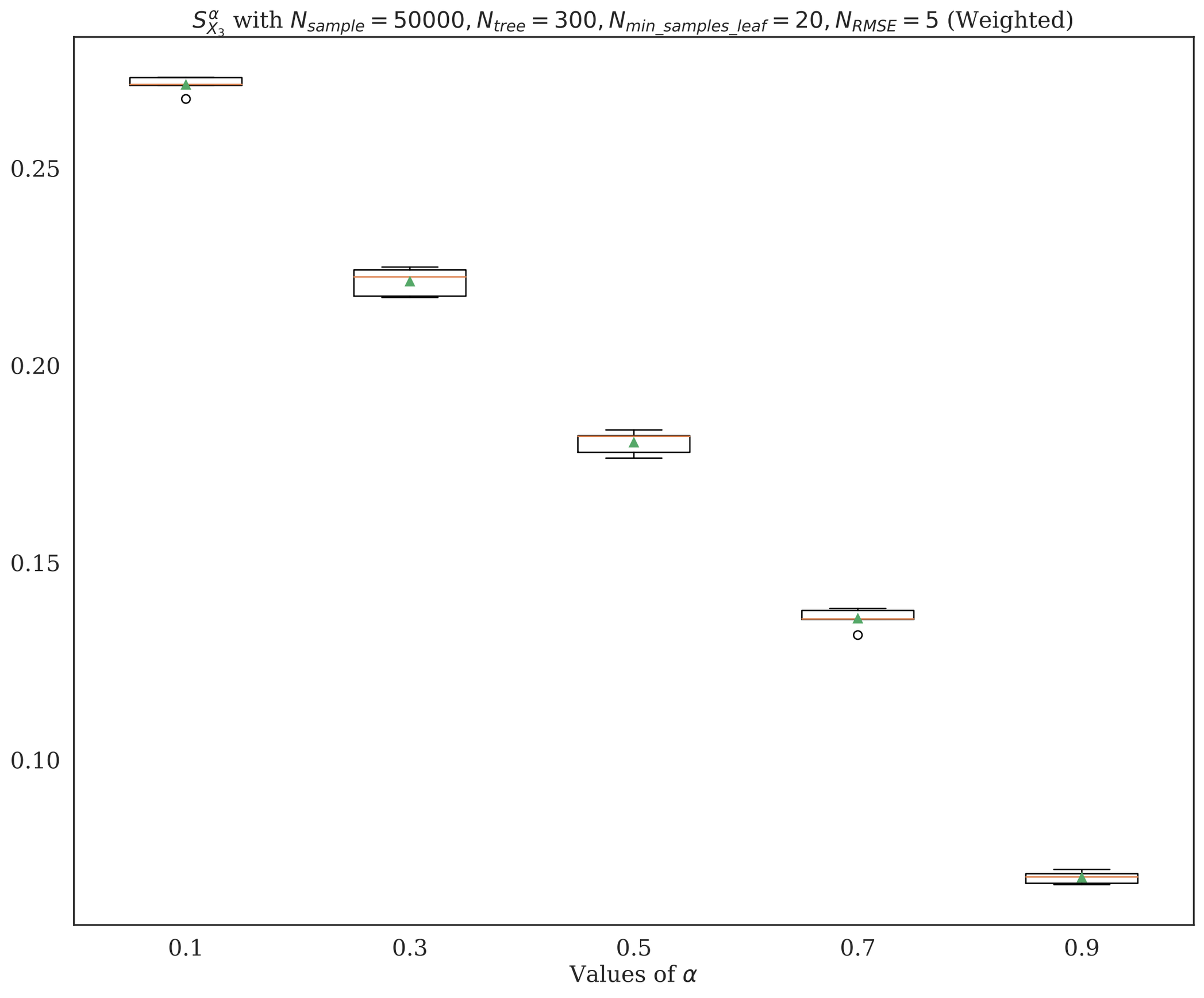

$S^{\alpha}_{X_2}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
Mean
True value
0.22
0.20
0.18
0.16
0.14
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

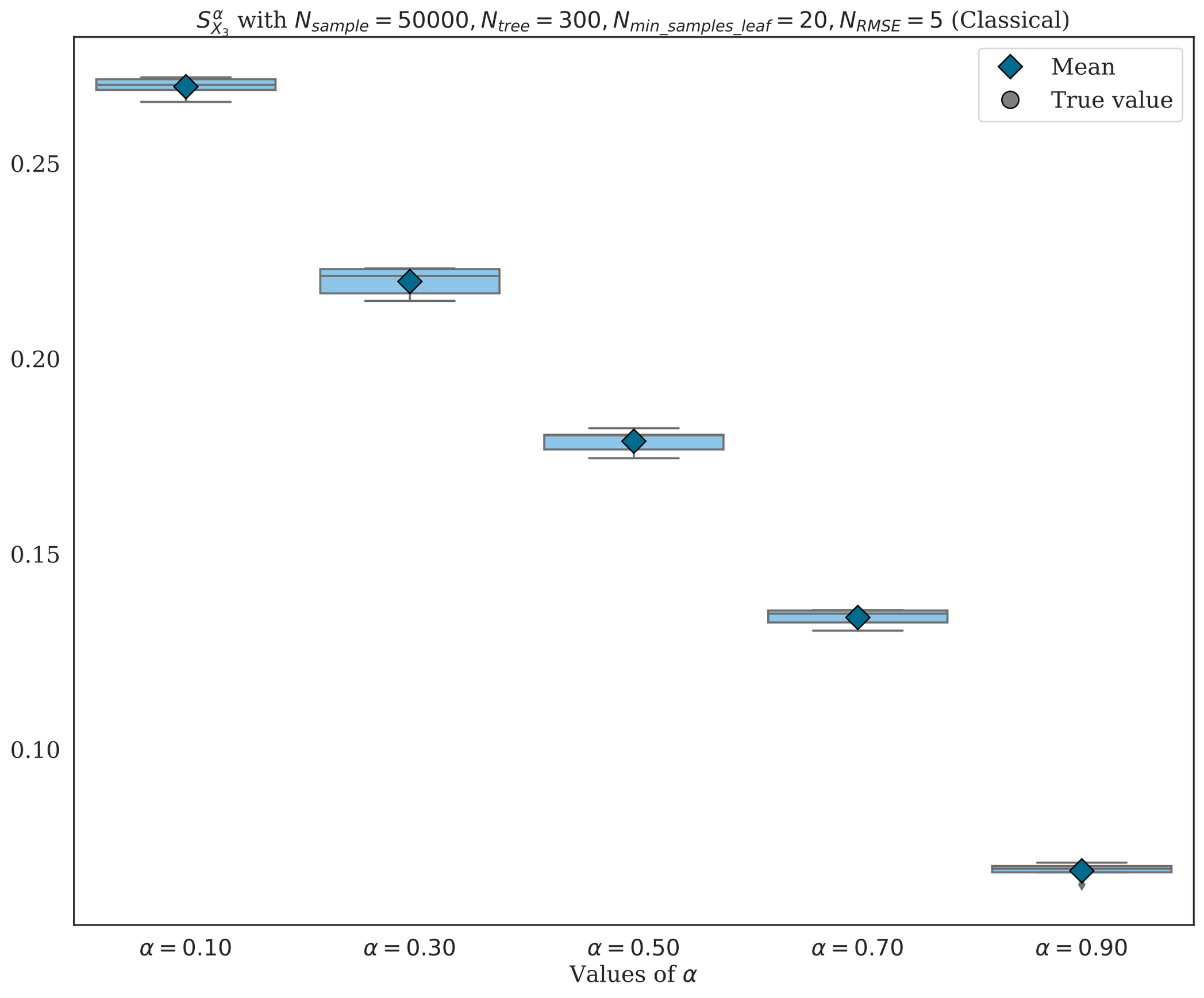

$S^{\alpha}_{X_2}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
Mean
True value
0.22
0.20
0.18
0.16
0.14
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

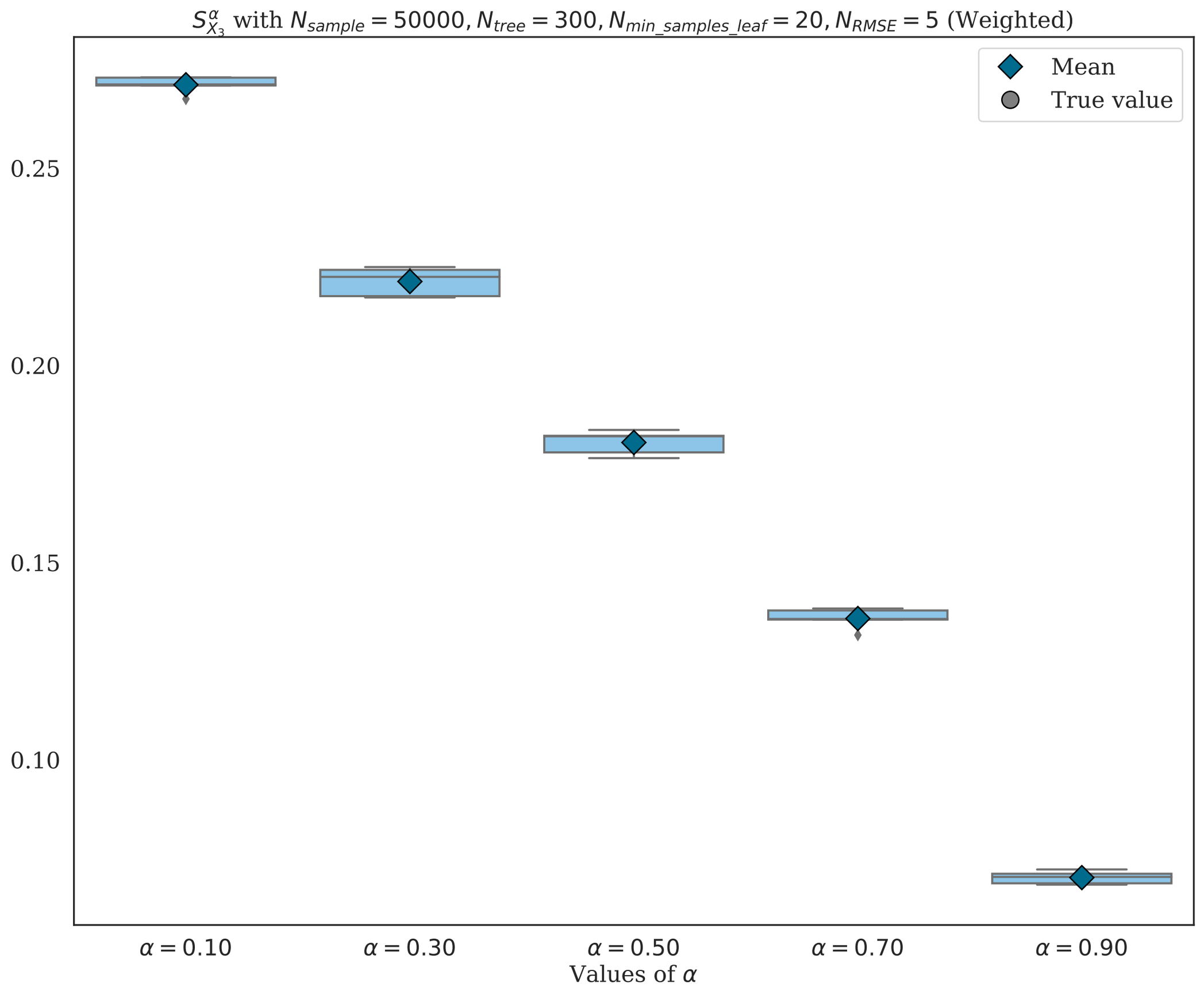

$S^{\alpha}_{X_2}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
True value
0.22
0.20
0.18
0.16
0.14
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

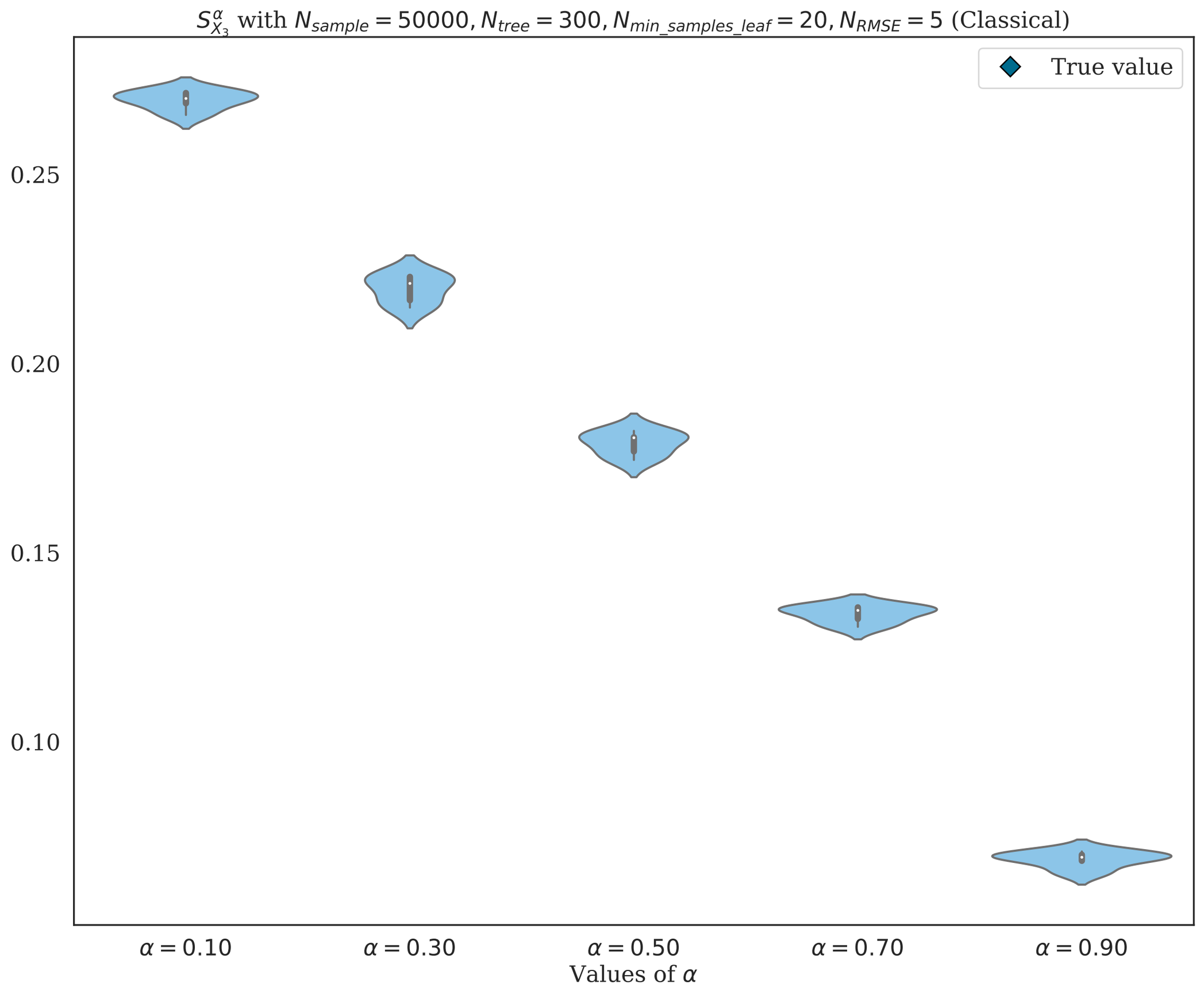

$S^{\alpha}_{X_2}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
True value
0.24
0.22
0.20
0.18
0.16
0.14
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

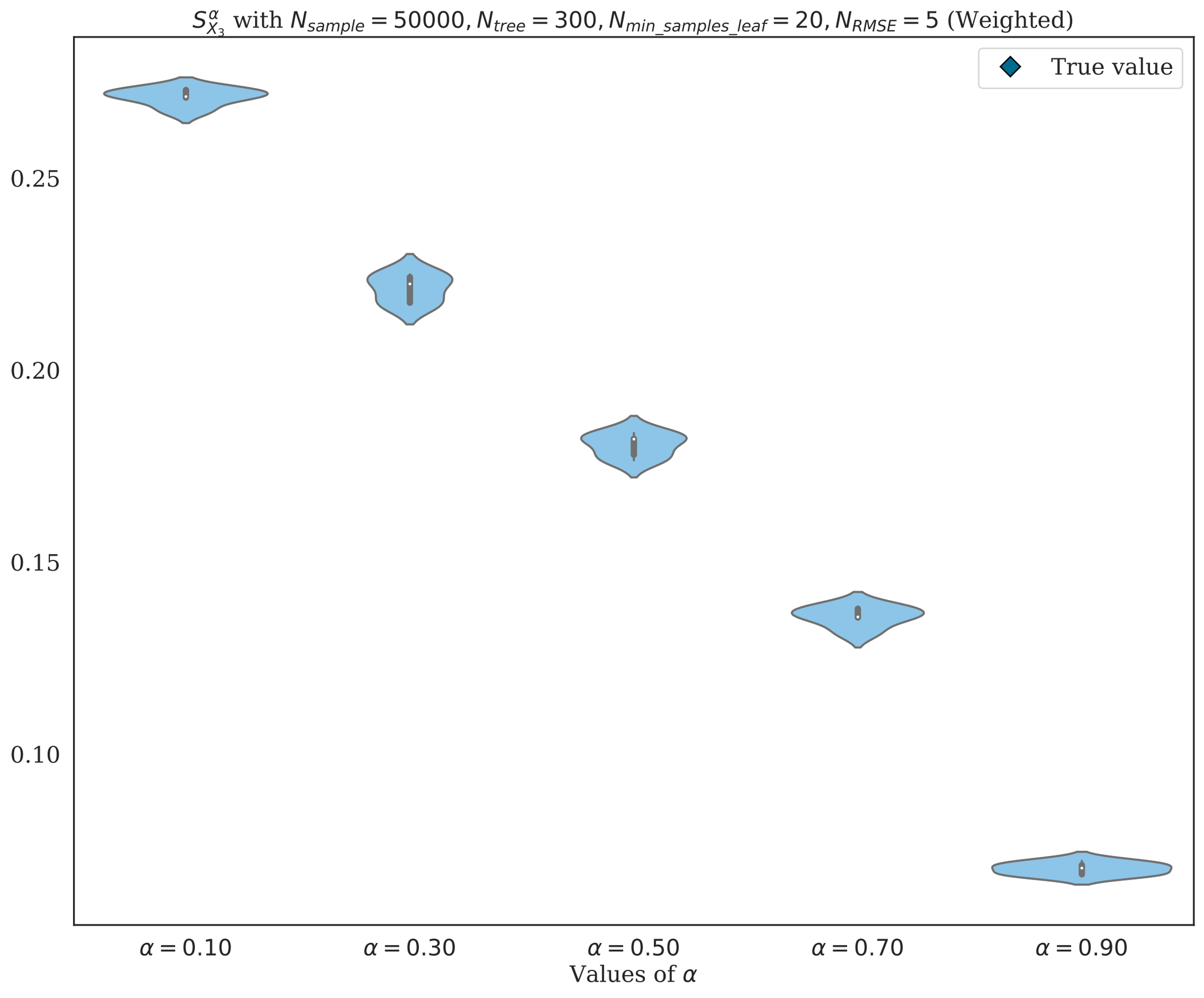

$S^{\alpha}_{X_3}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
0.25
0.20
0.15
0.10
0.1
0.3
0.5
0.7
0.9
Values of α

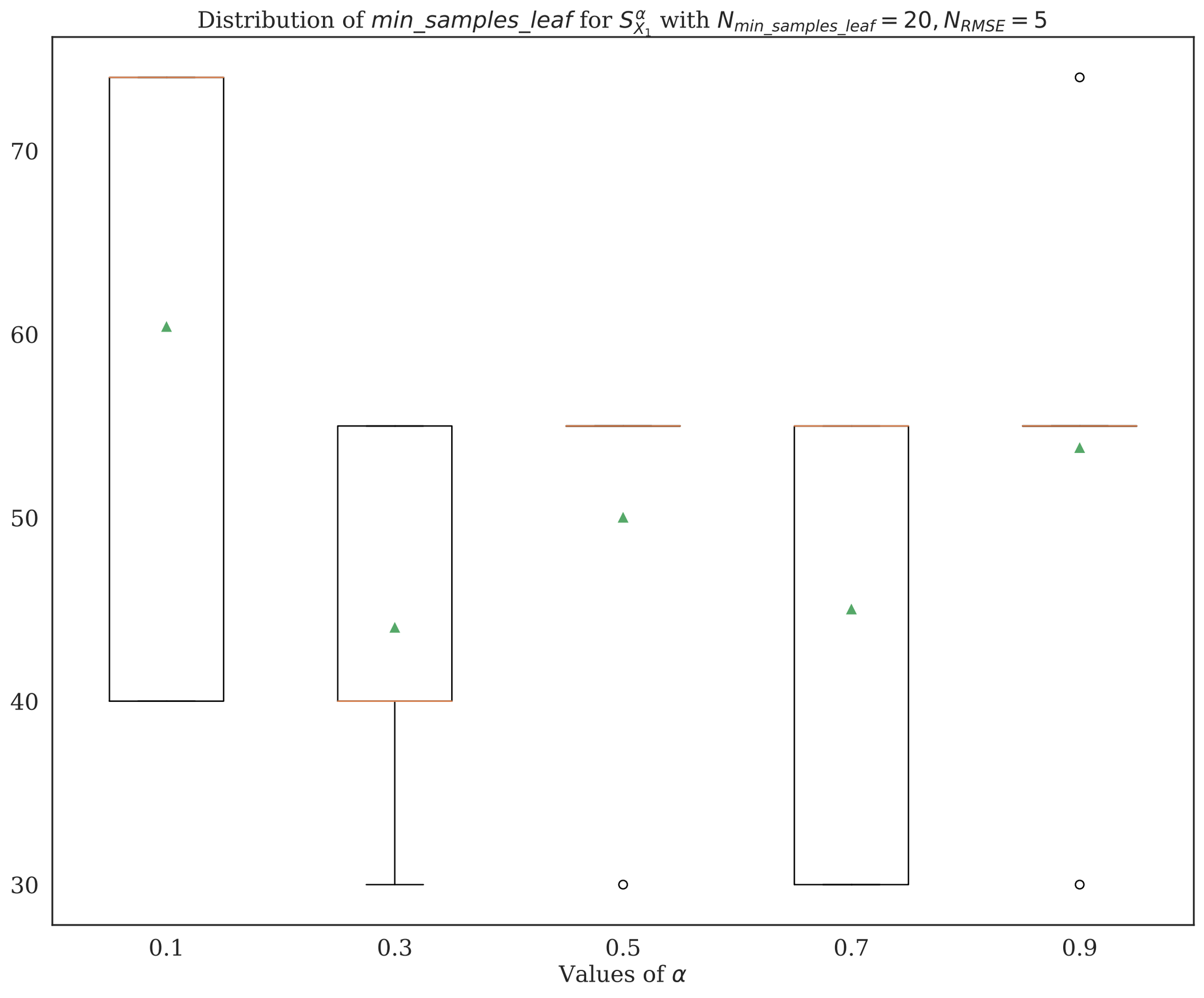

$S^{\alpha}_{X_3}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
0.25
0.20
0.15
0.10
0.1
0.3
0.5
0.7
0.9
Values of α

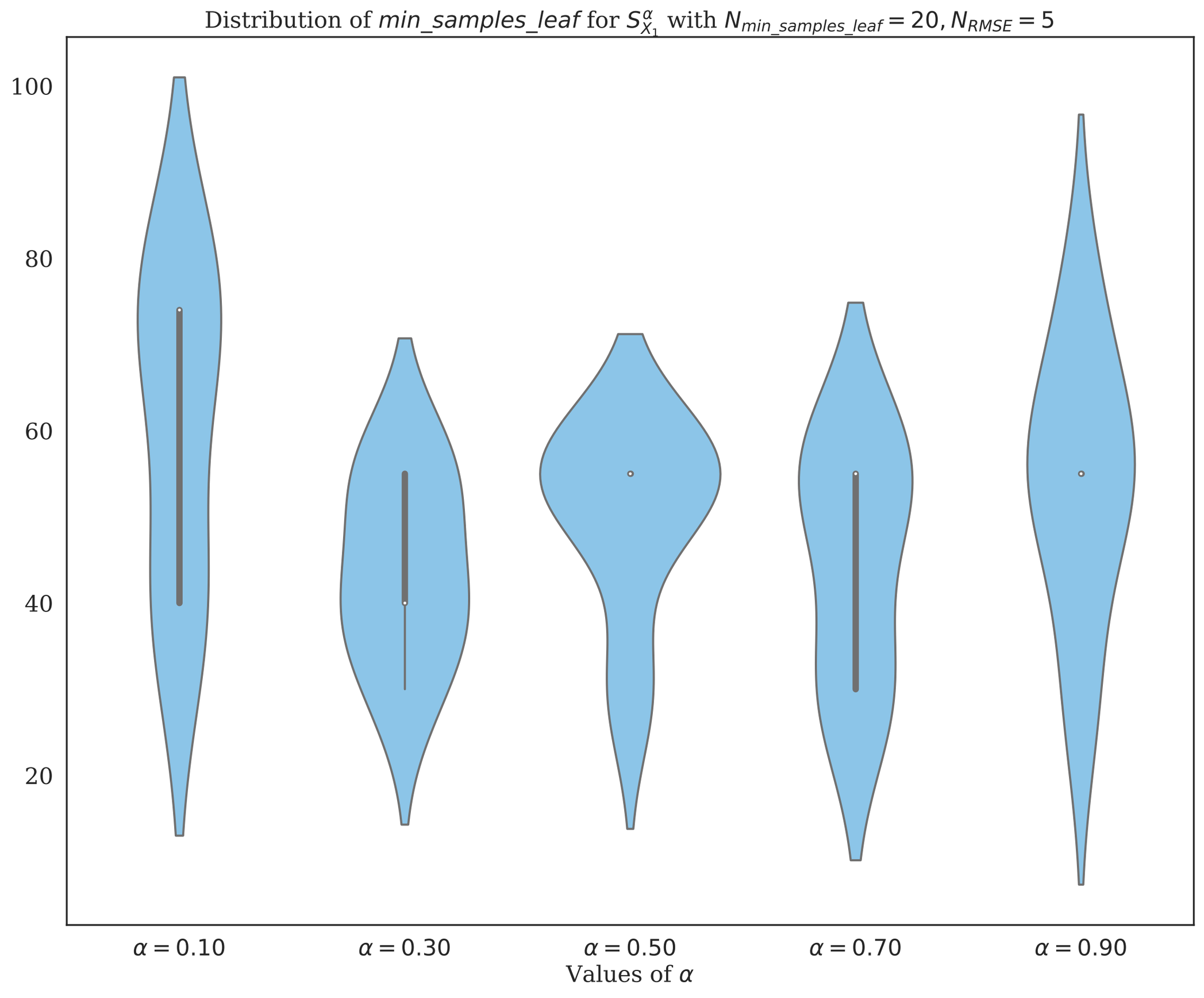

$S^{\alpha}_{X_3}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
Mean
True value
0.25
0.20
0.15
0.10
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

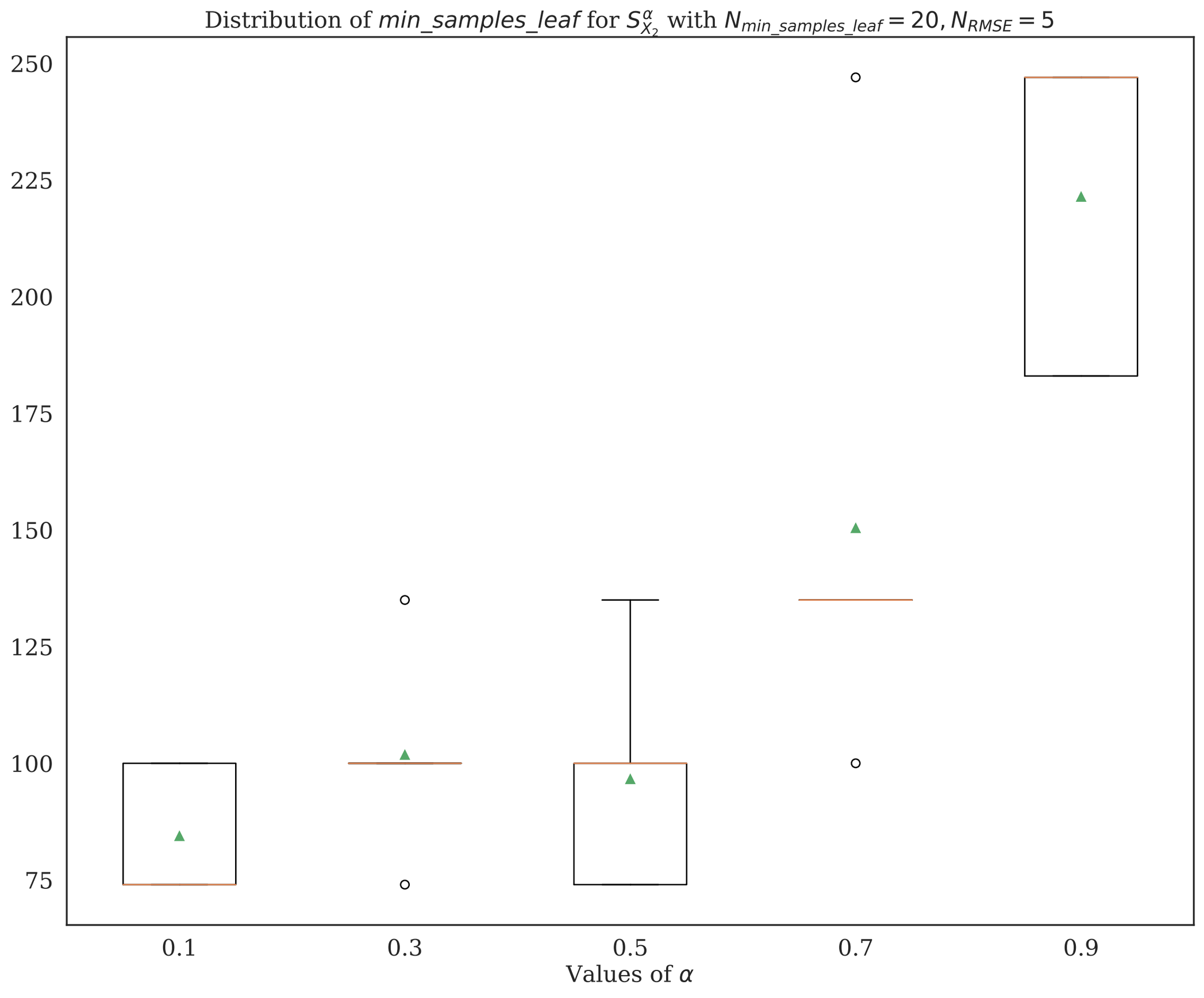

$S^{\alpha}_{X_3}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
Mean
True value
0.25
0.20
0.15
0.10
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

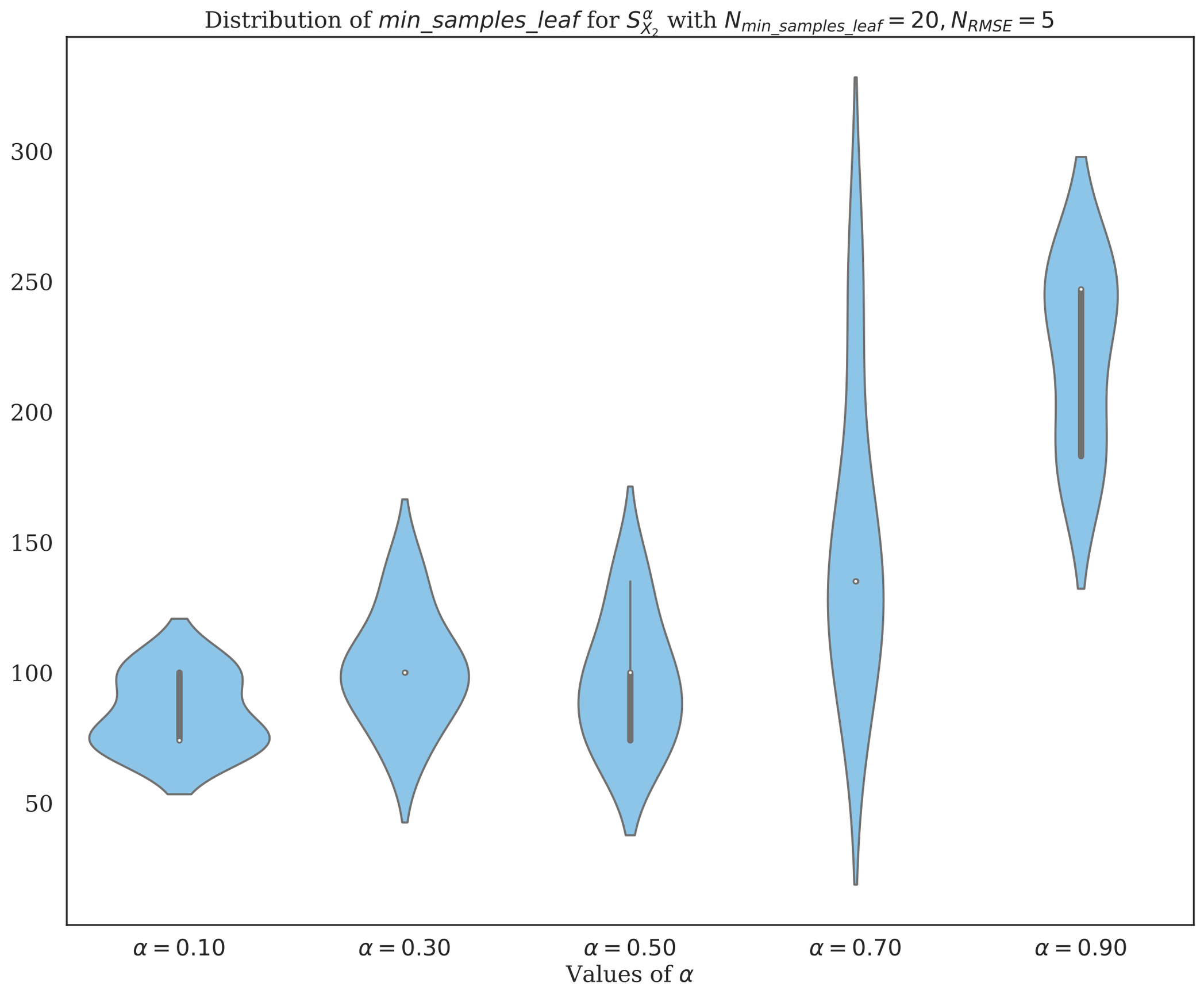

$S^{\alpha}_{X_3}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Classical)
True value
0.25
0.20
0.15
0.10
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

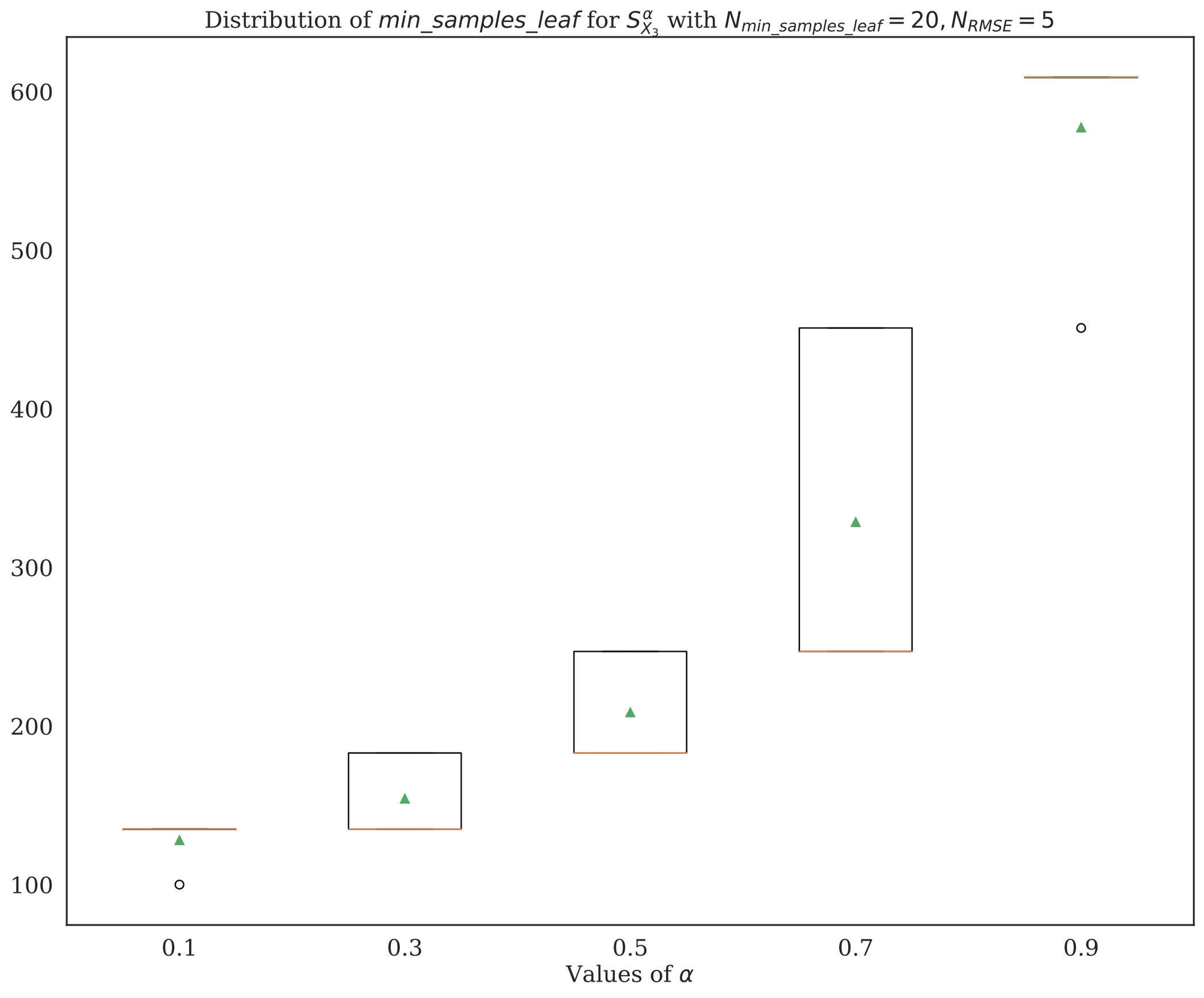

$S^{\alpha}_{X_3}$ with $N_{sample} = 50000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$ (Weighted)
True value
0.25
0.20
0.15
0.10
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α

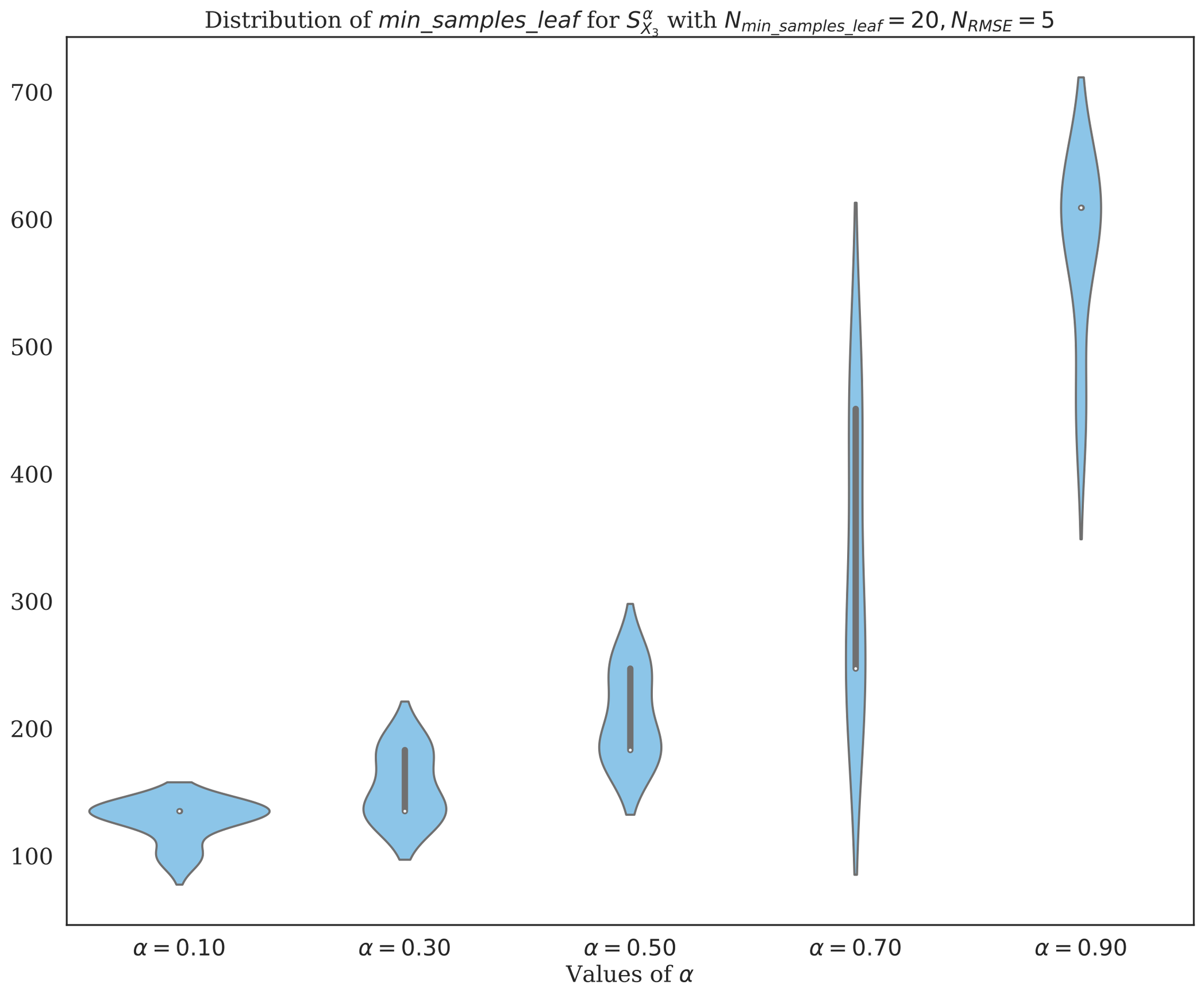

Distribution of min_samples_leaf for $S^{\alpha}_{X_1}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$
70
60
50
40
30
0.1
0.3
0.5
0.7
0.9
Values of α


Distribution of min_samples_leaf for $S_{X_1}^{\alpha}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$
100
80
60
40
20
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_2}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$
250
225
200
175
150
125
100
75
0.1
0.3
0.5
0.7
0.9
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_2}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$
300
250
200
150
100
50
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_3}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$
600
500
400
300
200
100
0.1
0.3
0.5
0.7
0.9
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_3}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 5$
700
600
500
400
300
200
100
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.50$
$\alpha = 0.70$
$\alpha = 0.90$
Values of α