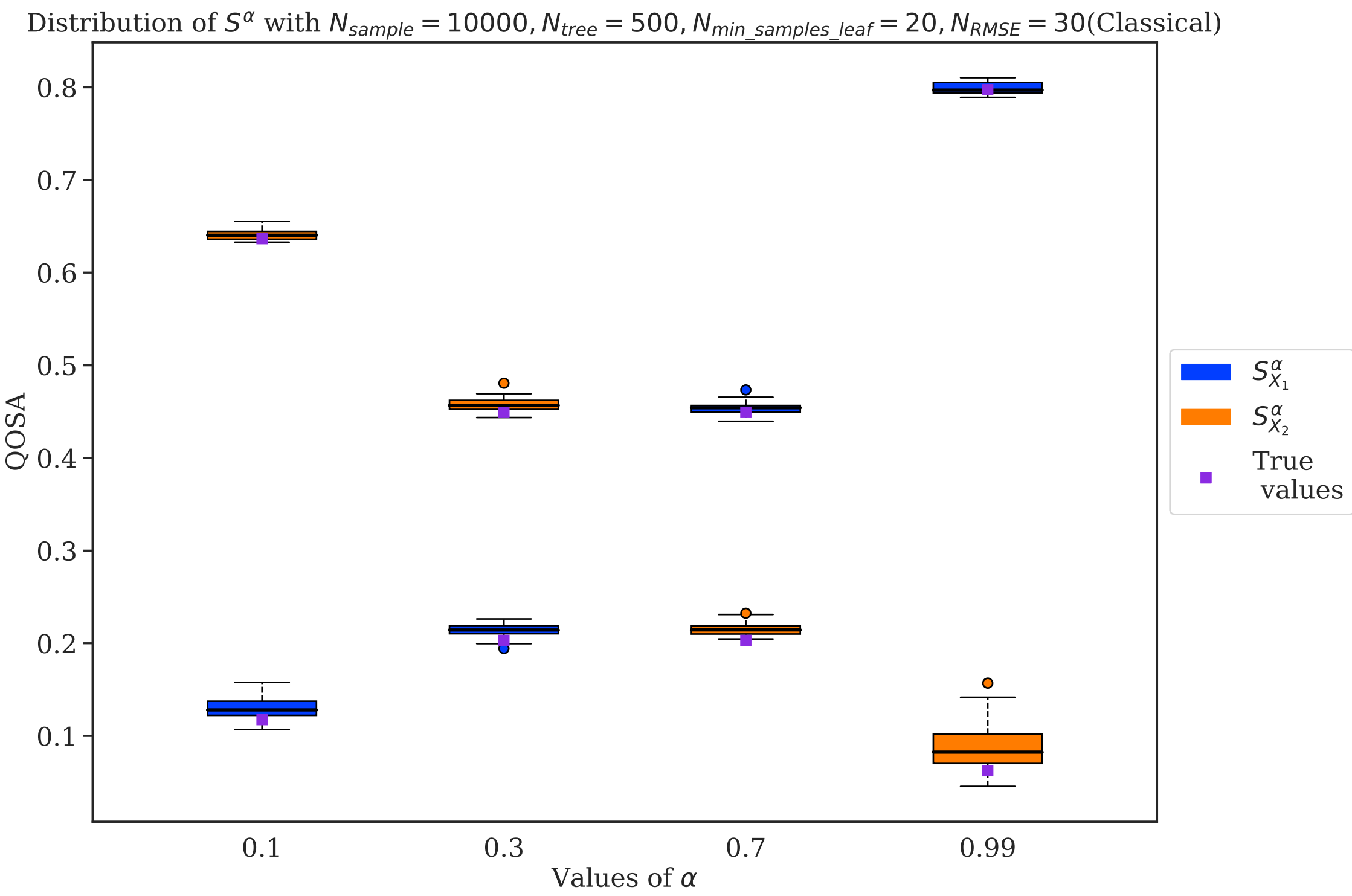
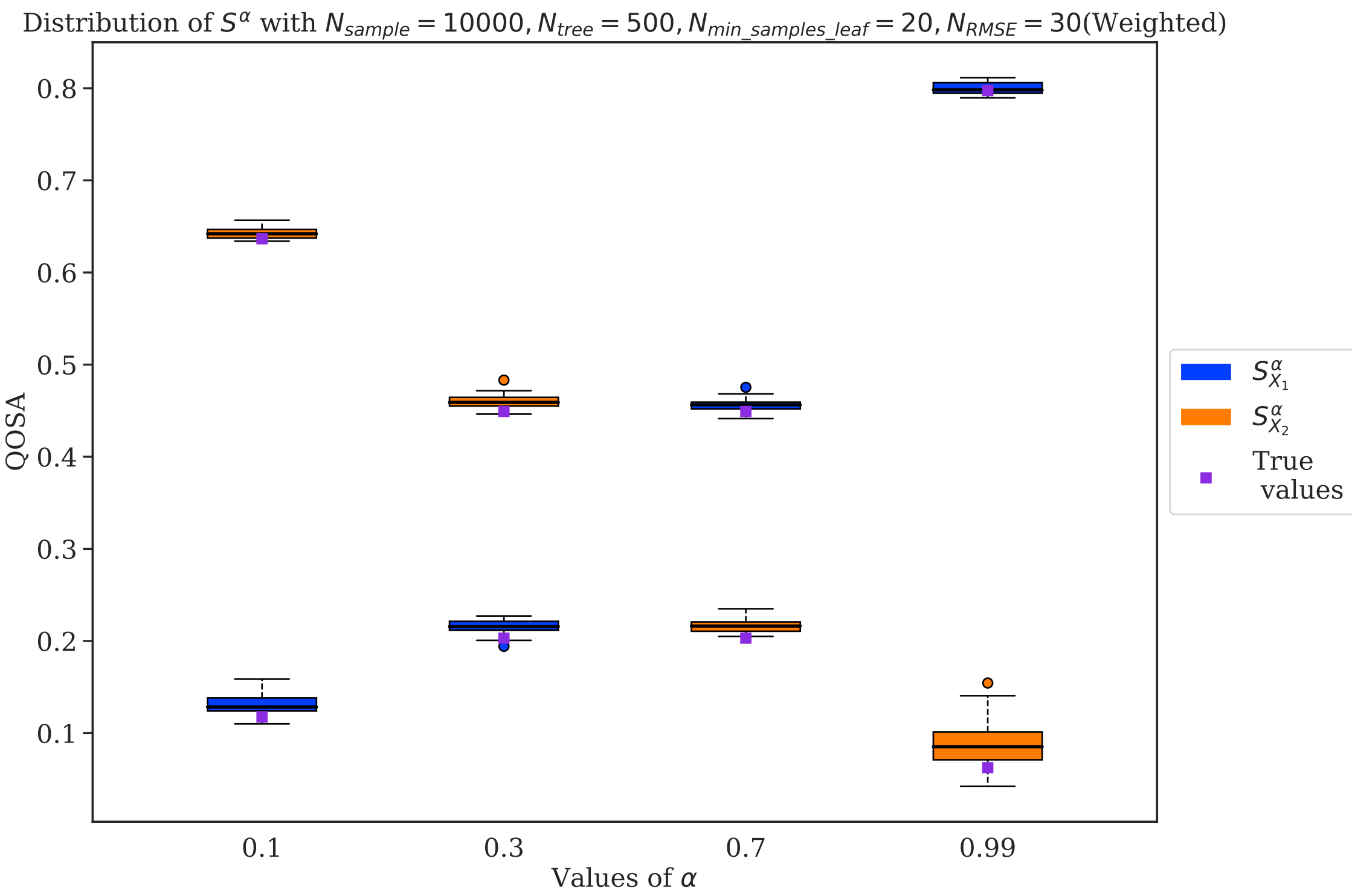
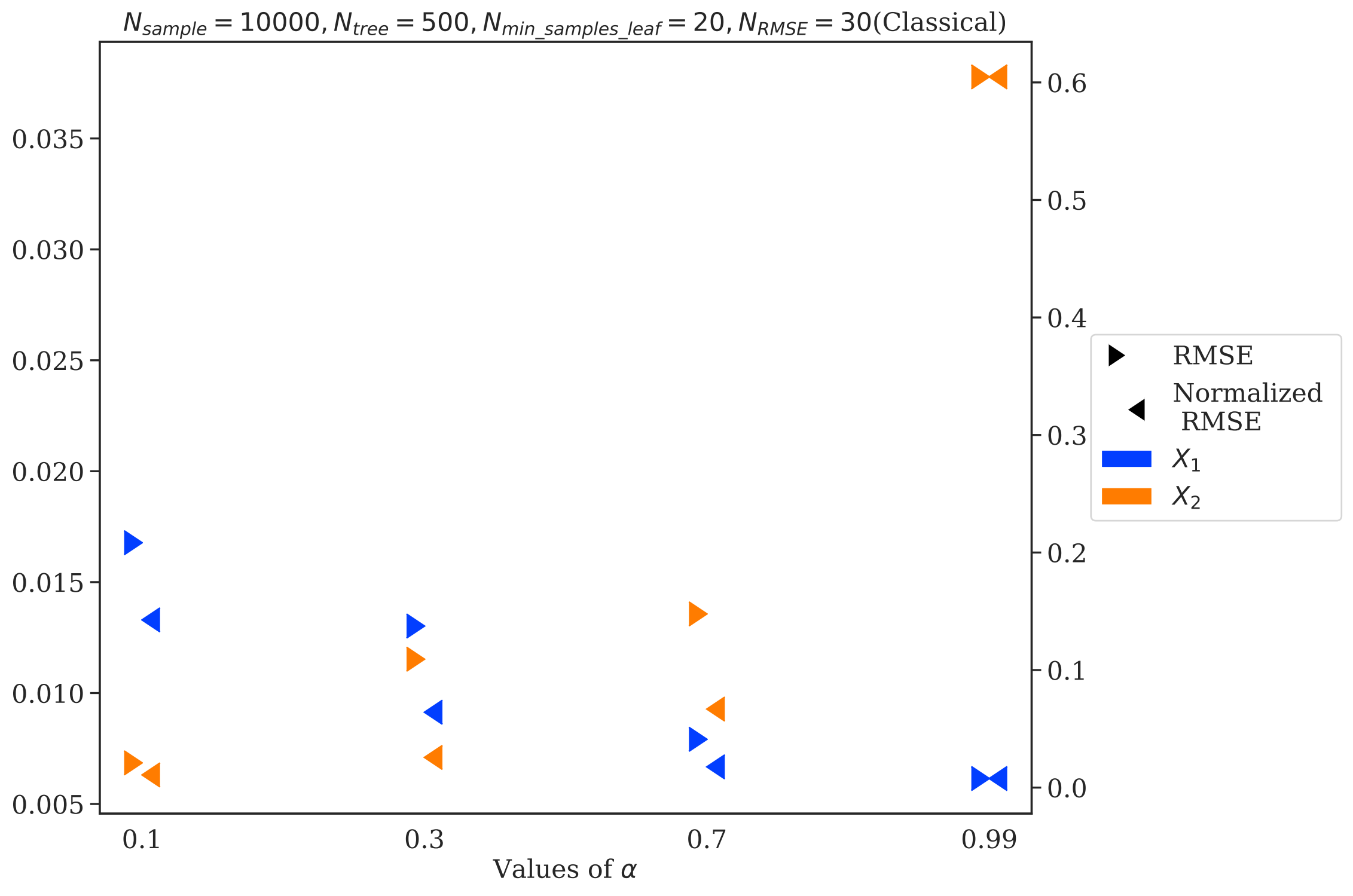
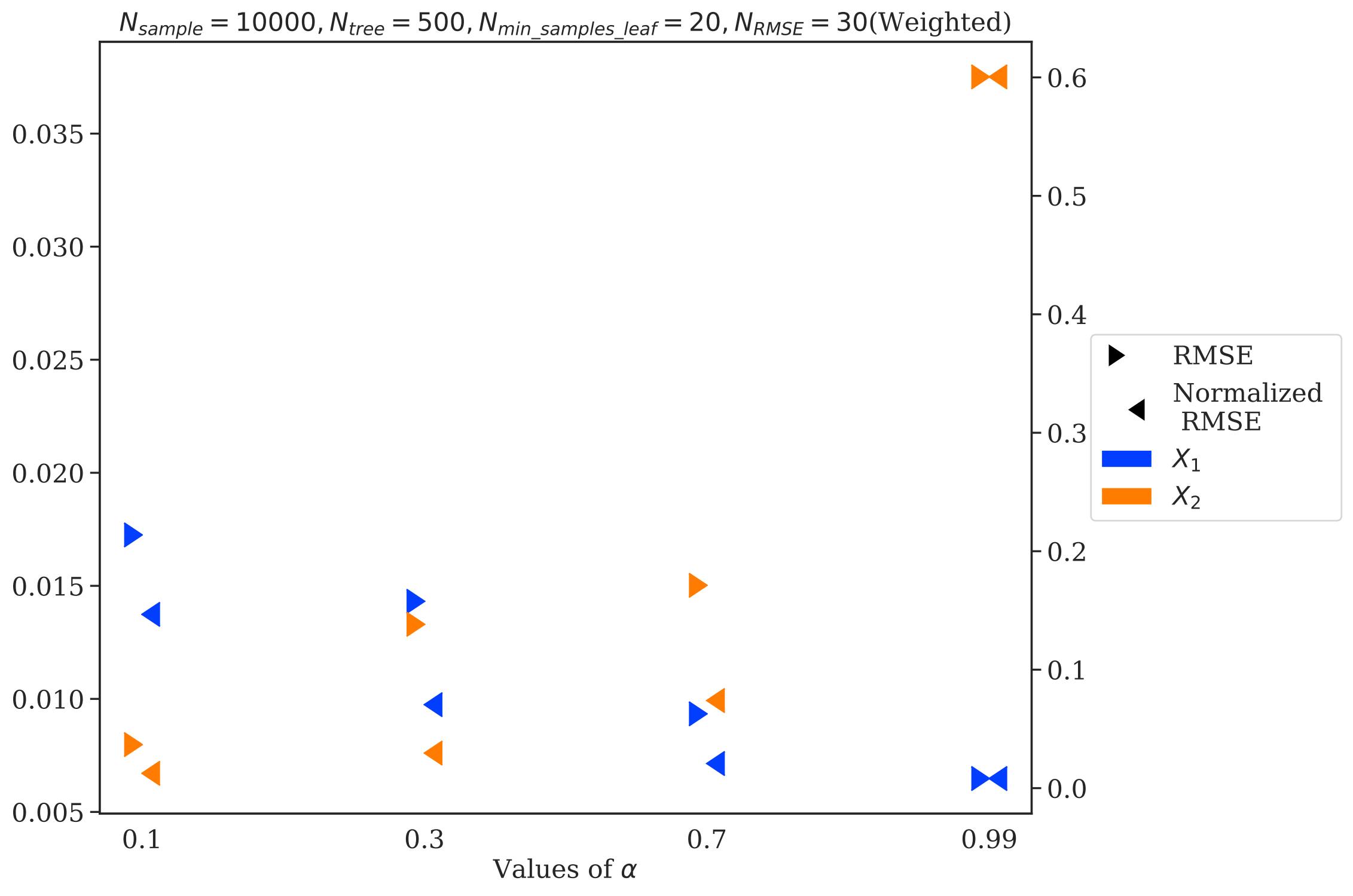
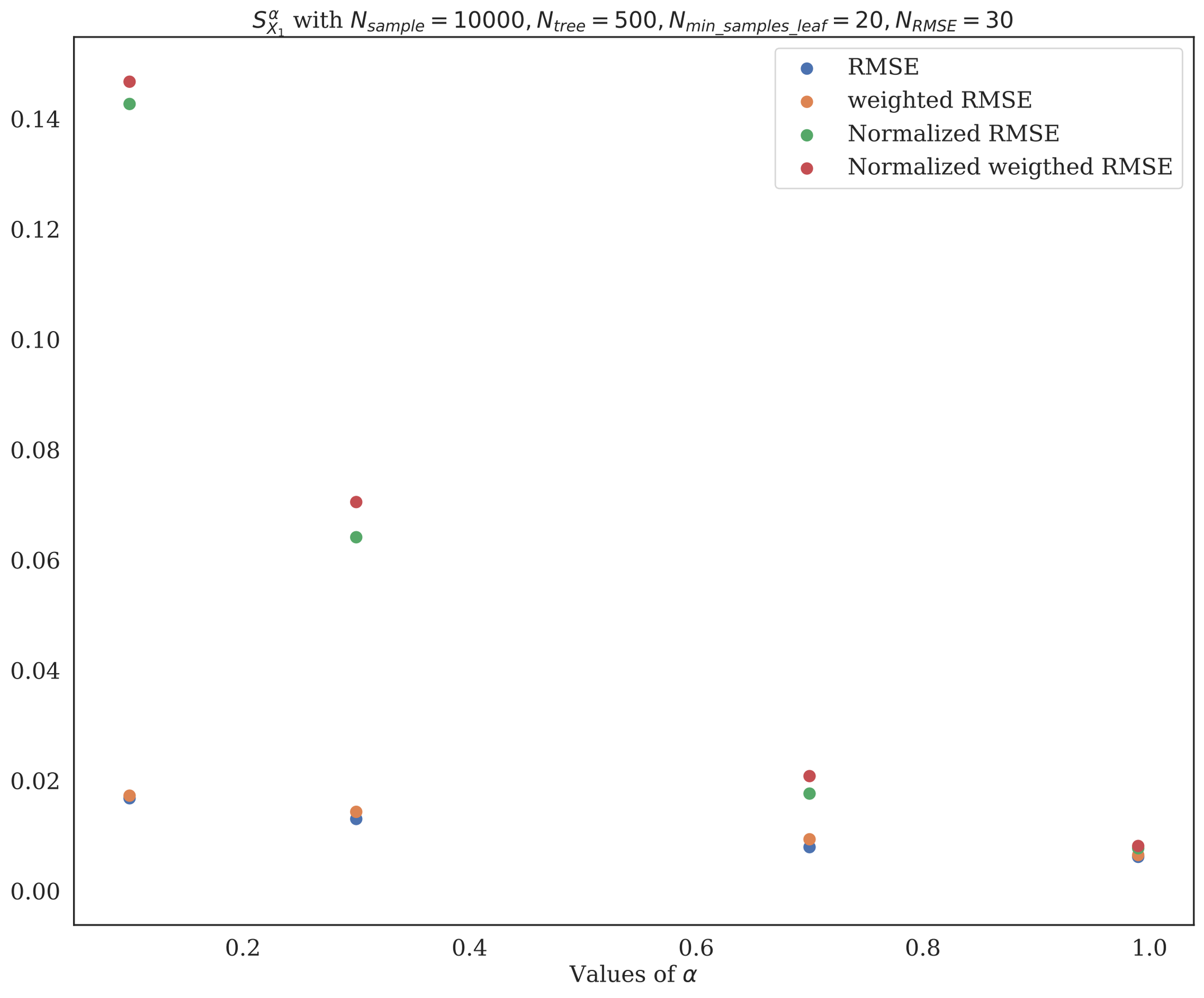
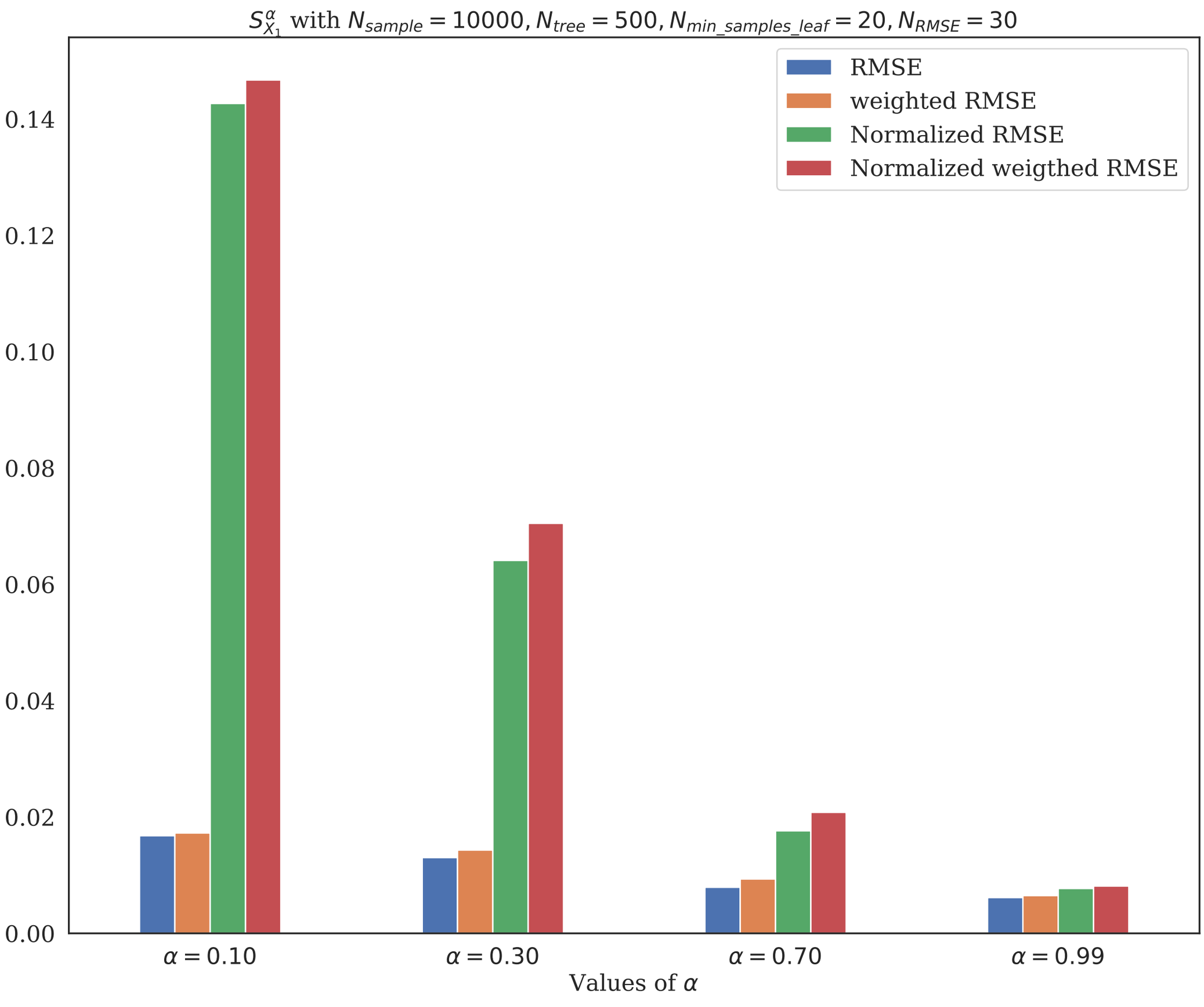

Distribution of S^{α} with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$(Classical)
QOSA
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.1
0.3
0.7
0.99
Values of α
$S^{\alpha}_{X_1}$
$S^{\alpha}_{X_2}$
True values

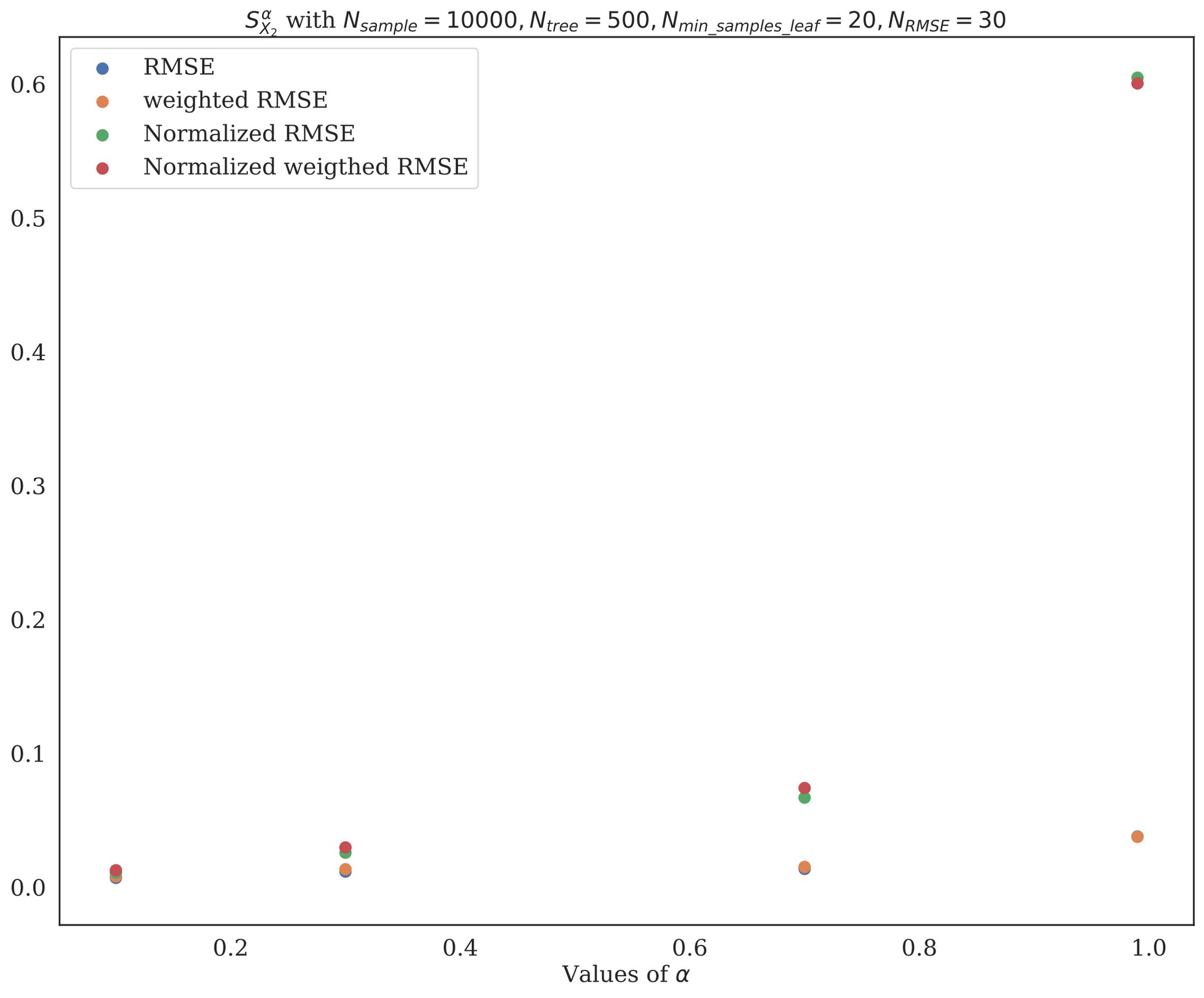

Distribution of S^{α} with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$(Weighted)
QOSA
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.1
0.3
0.7
0.99
Values of α
$S^{\alpha}_{X_1}$
$S^{\alpha}_{X_2}$
True values

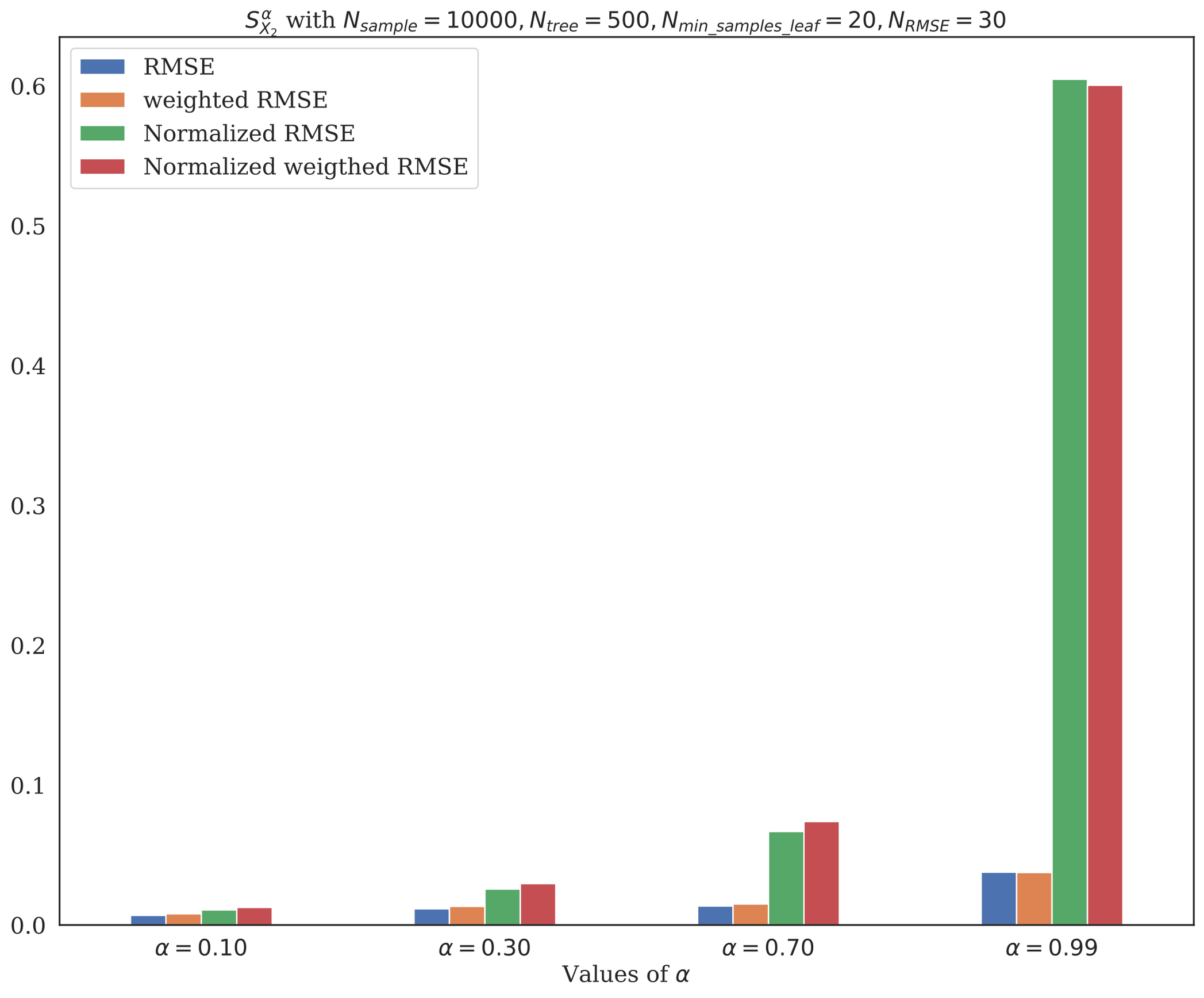

$N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$(Classical)
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.1
0.3
0.7
0.99
Values of α
RMSE
Normalized RMSE
X_1
X_2

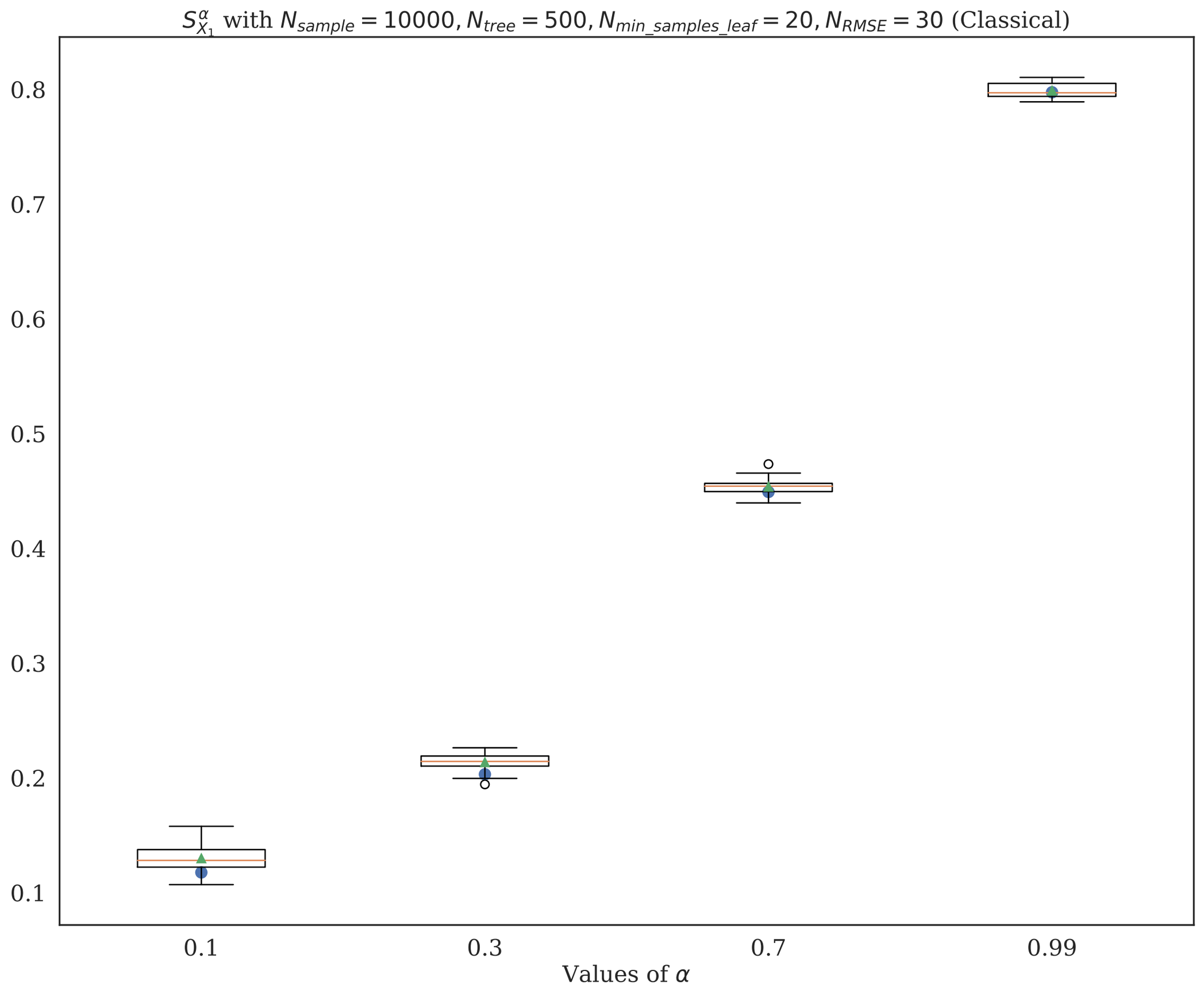

$N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$(Weighted)
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.1
0.3
0.7
0.99
Values of α
RMSE
Normalized RMSE
X_1
X_2

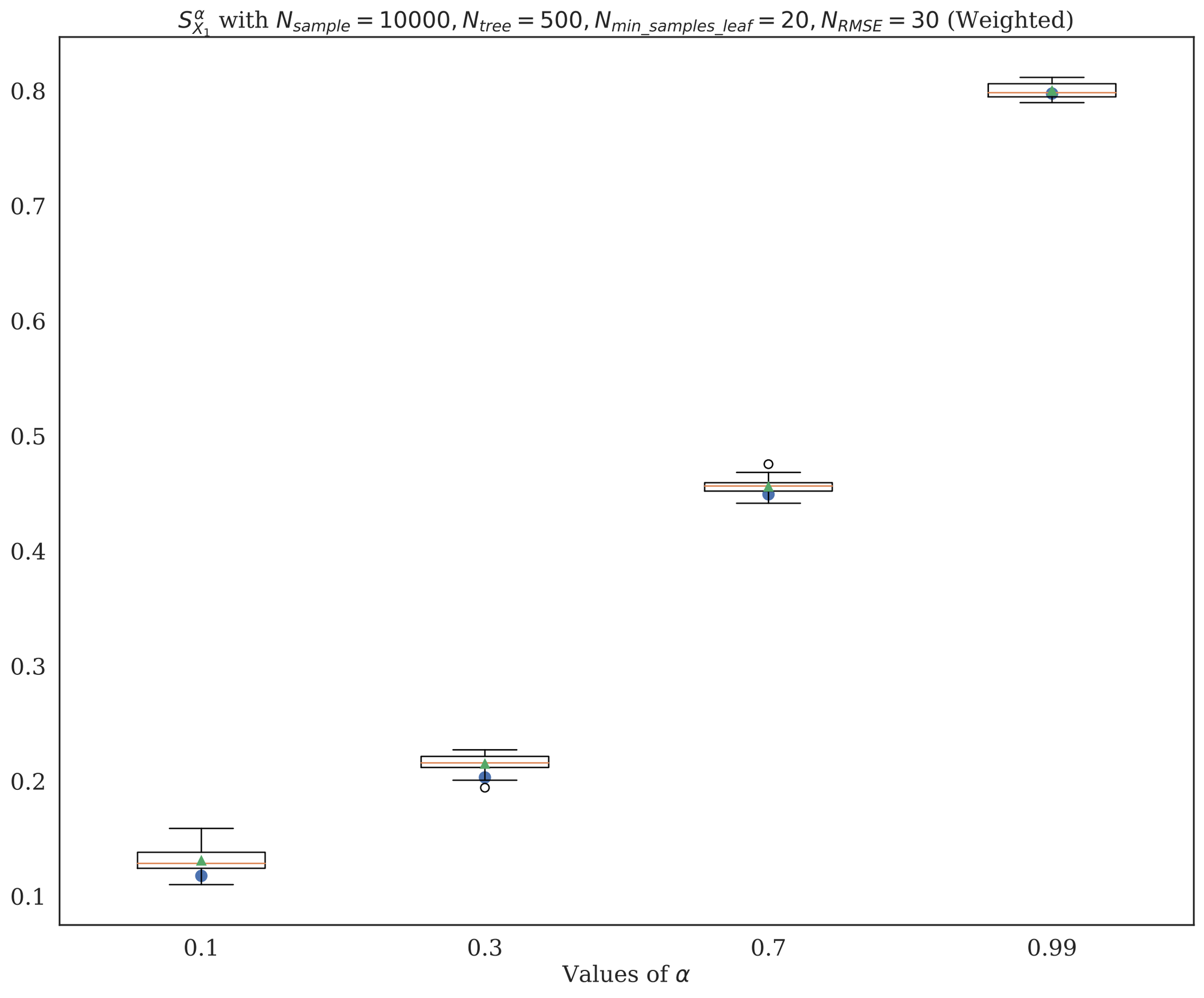

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.2
0.4
0.6
0.8
1.0
Values of α

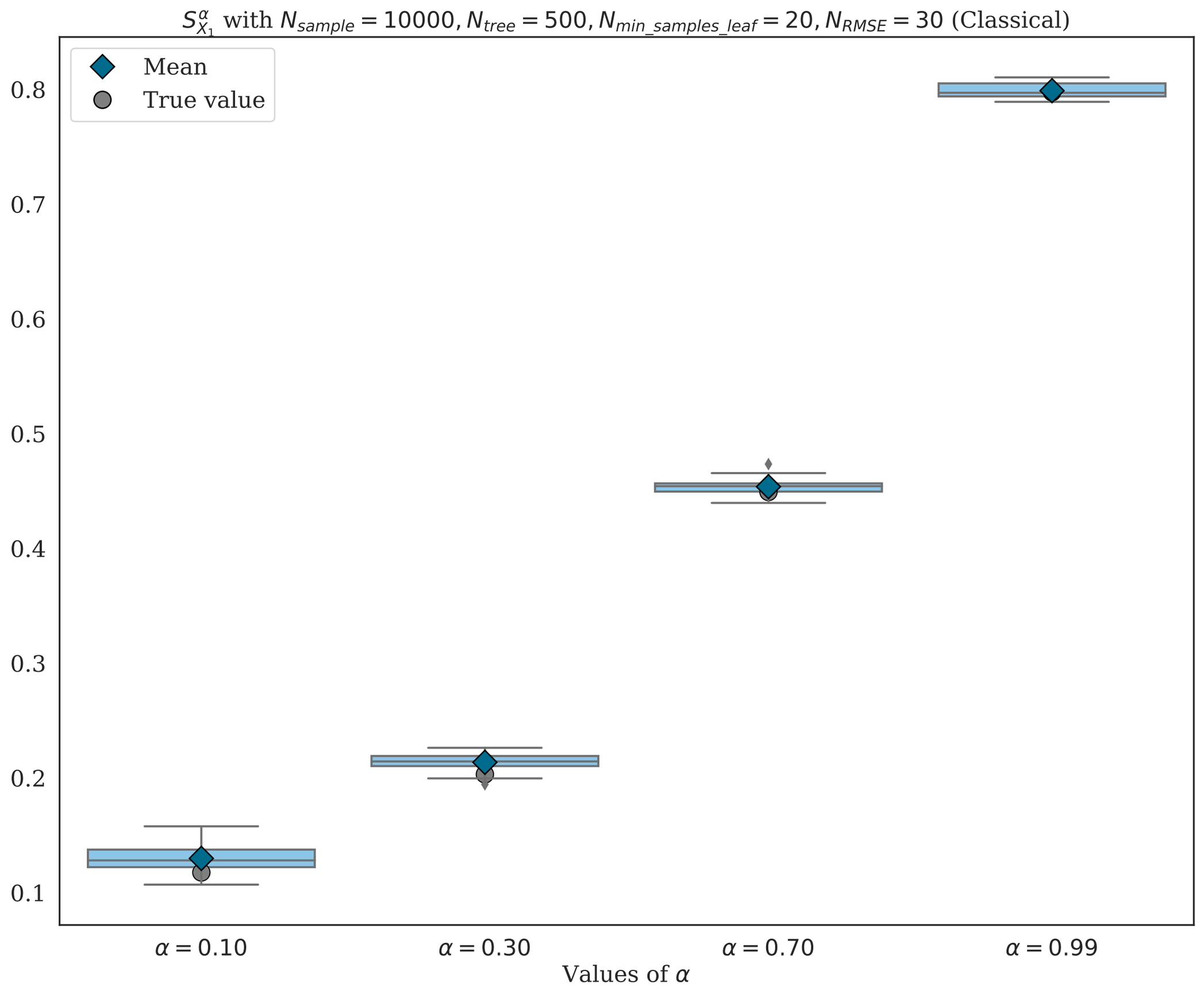

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

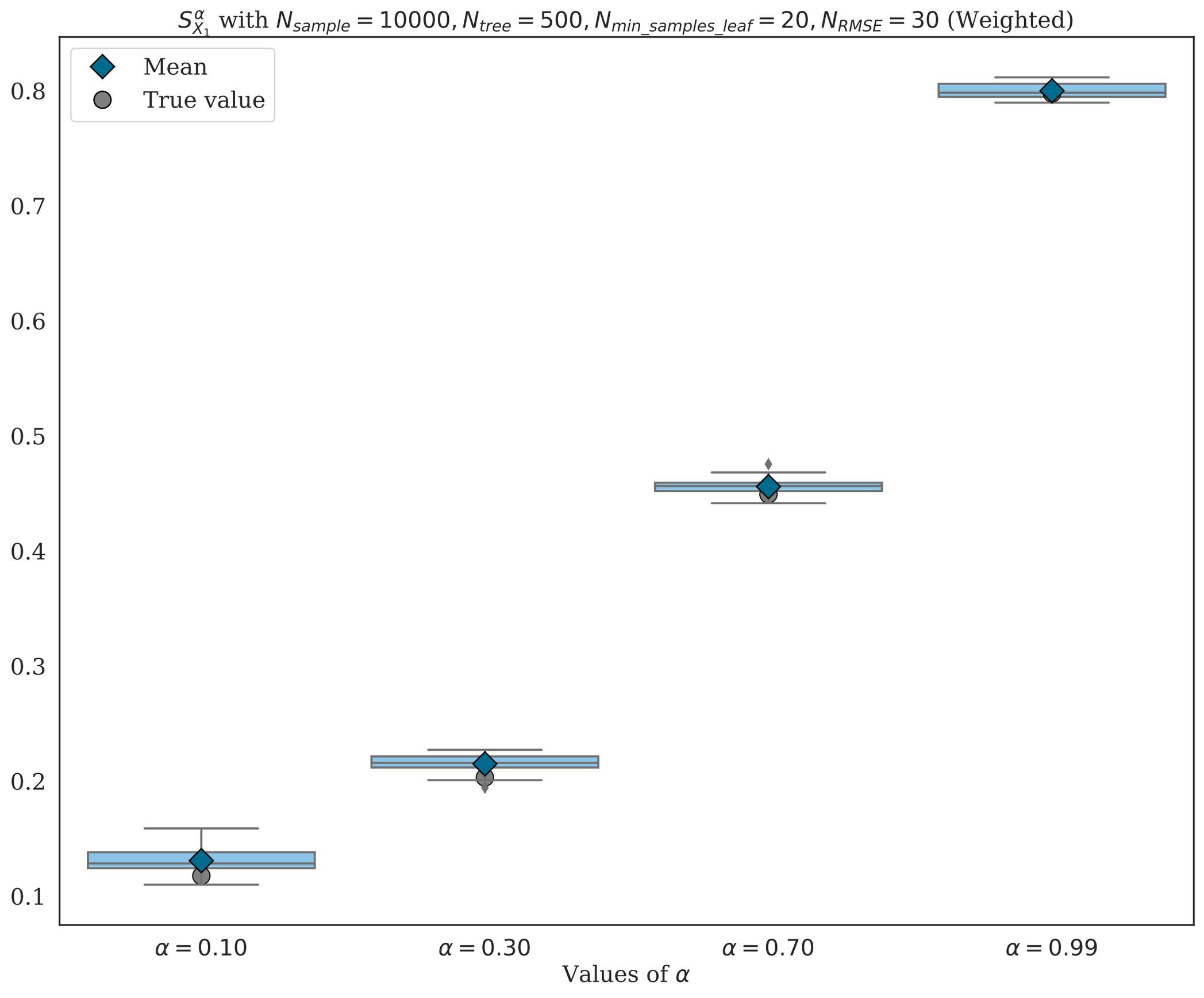

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.2
0.4
0.6
0.8
1.0
Values of α

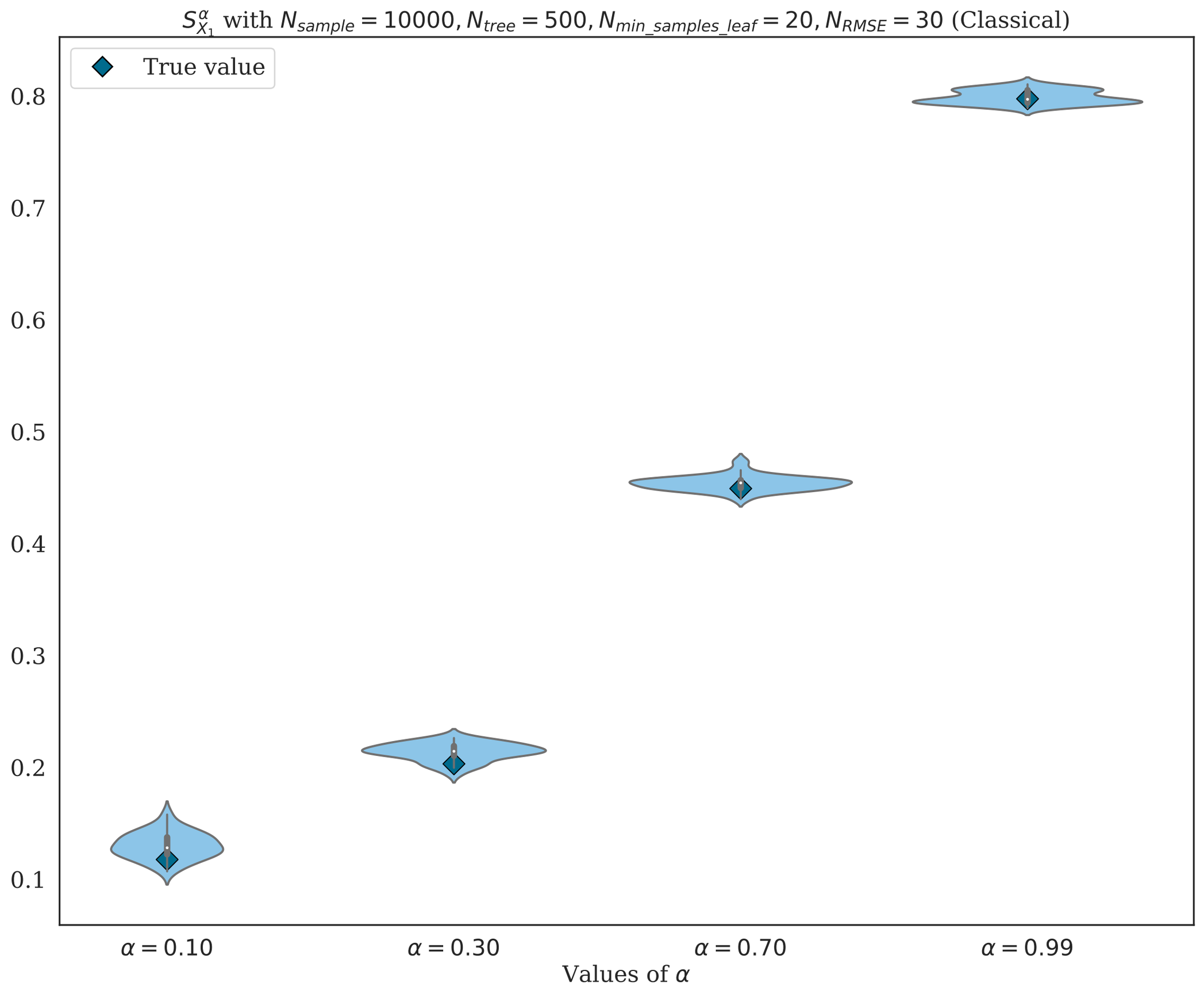

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.0
0.1
0.2
0.3
0.4
0.5
0.6
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

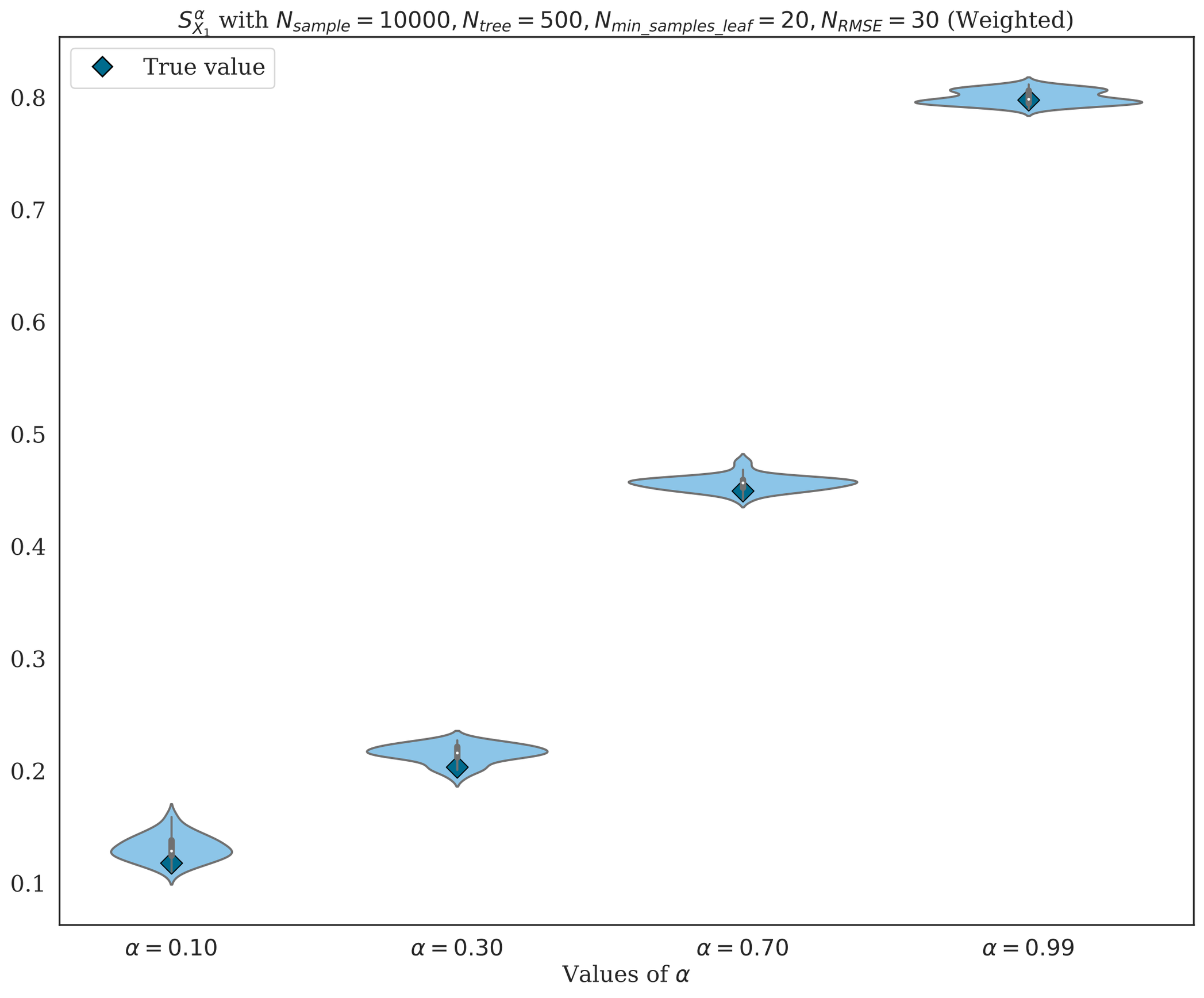

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Classical)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.1
0.3
0.7
0.99
Values of α

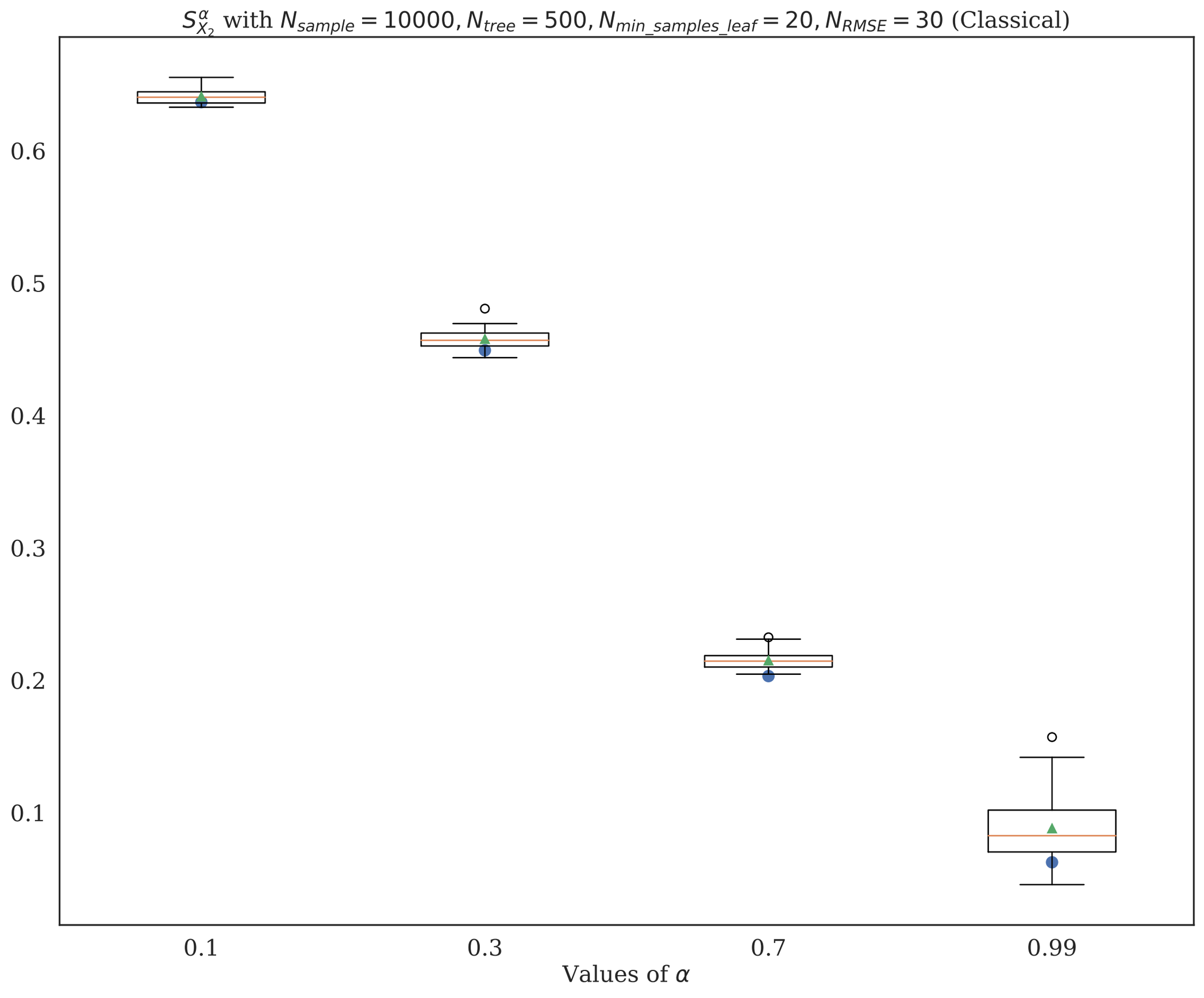

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Weighted)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.1
0.3
0.7
0.99
Values of α

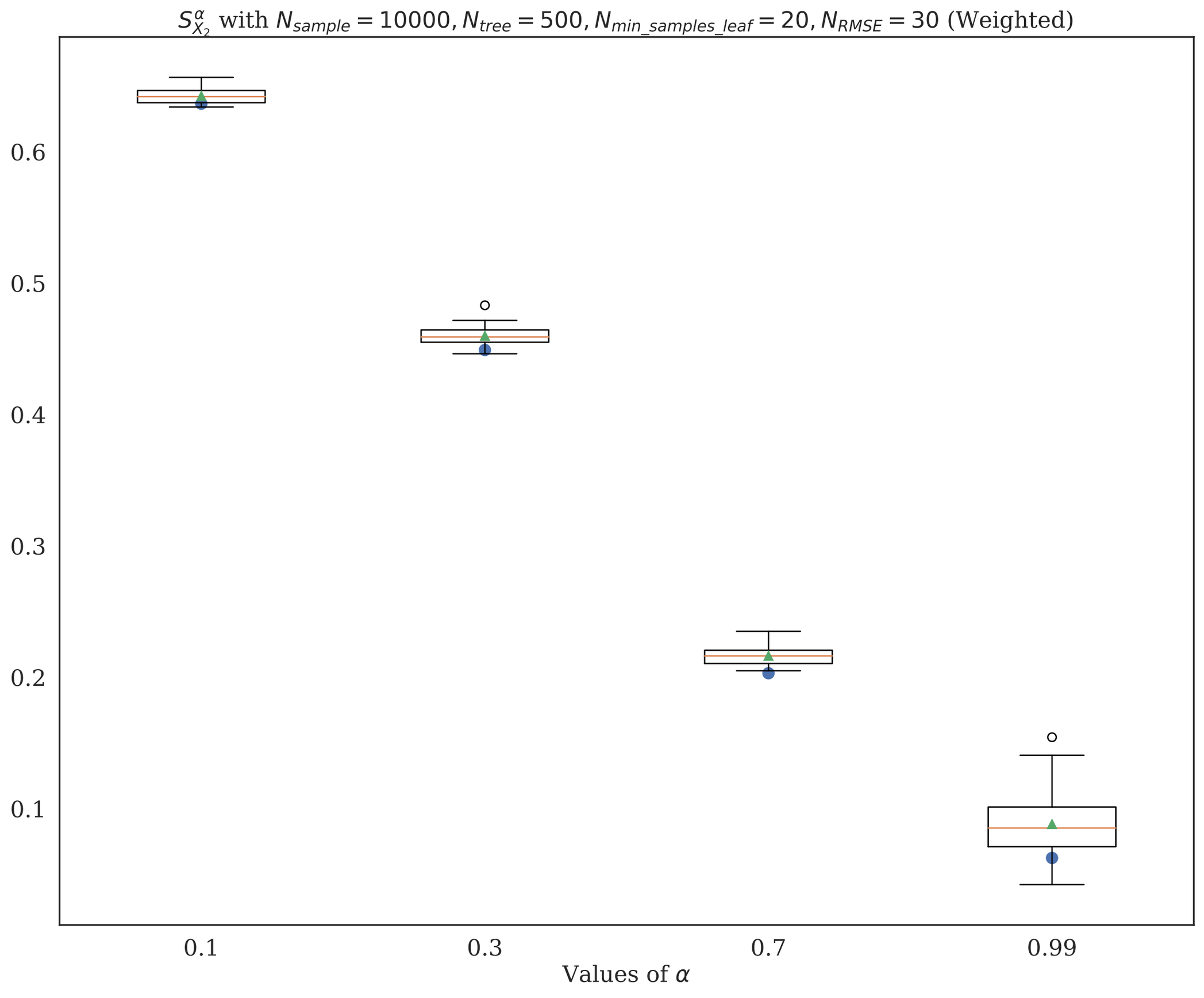

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Classical)
Mean
True value
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

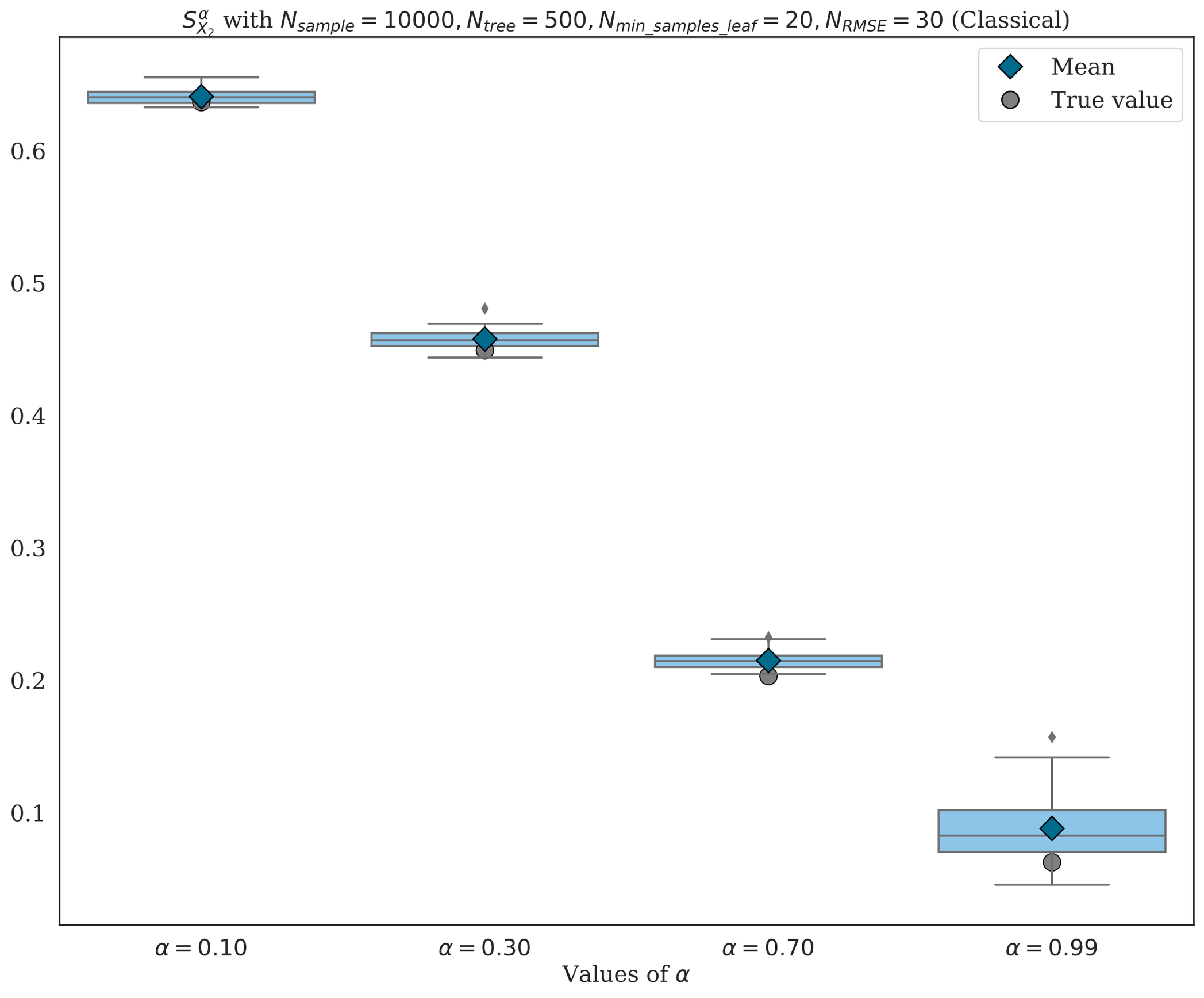

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Weighted)
Mean
True value
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

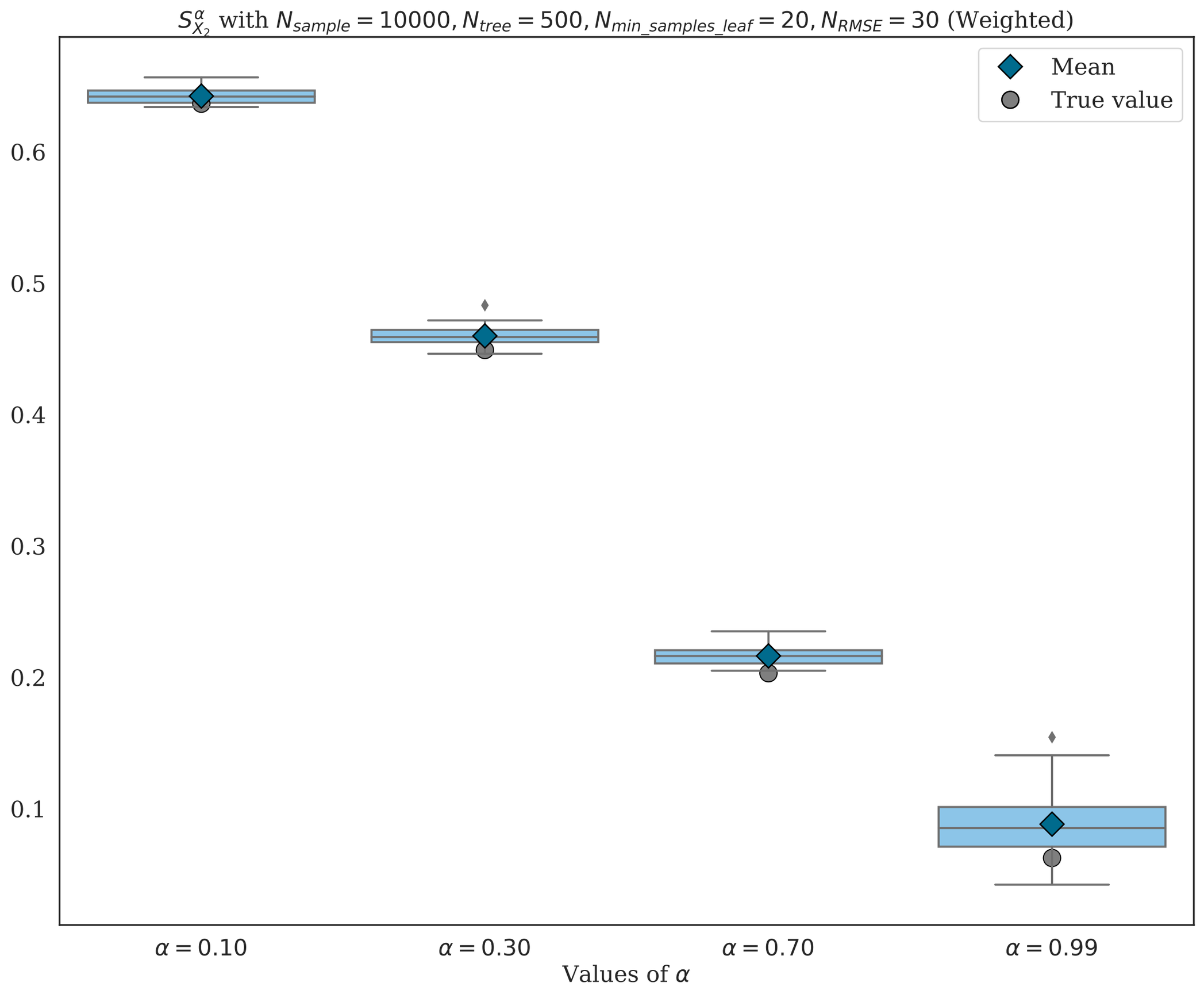

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Classical)
True value
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

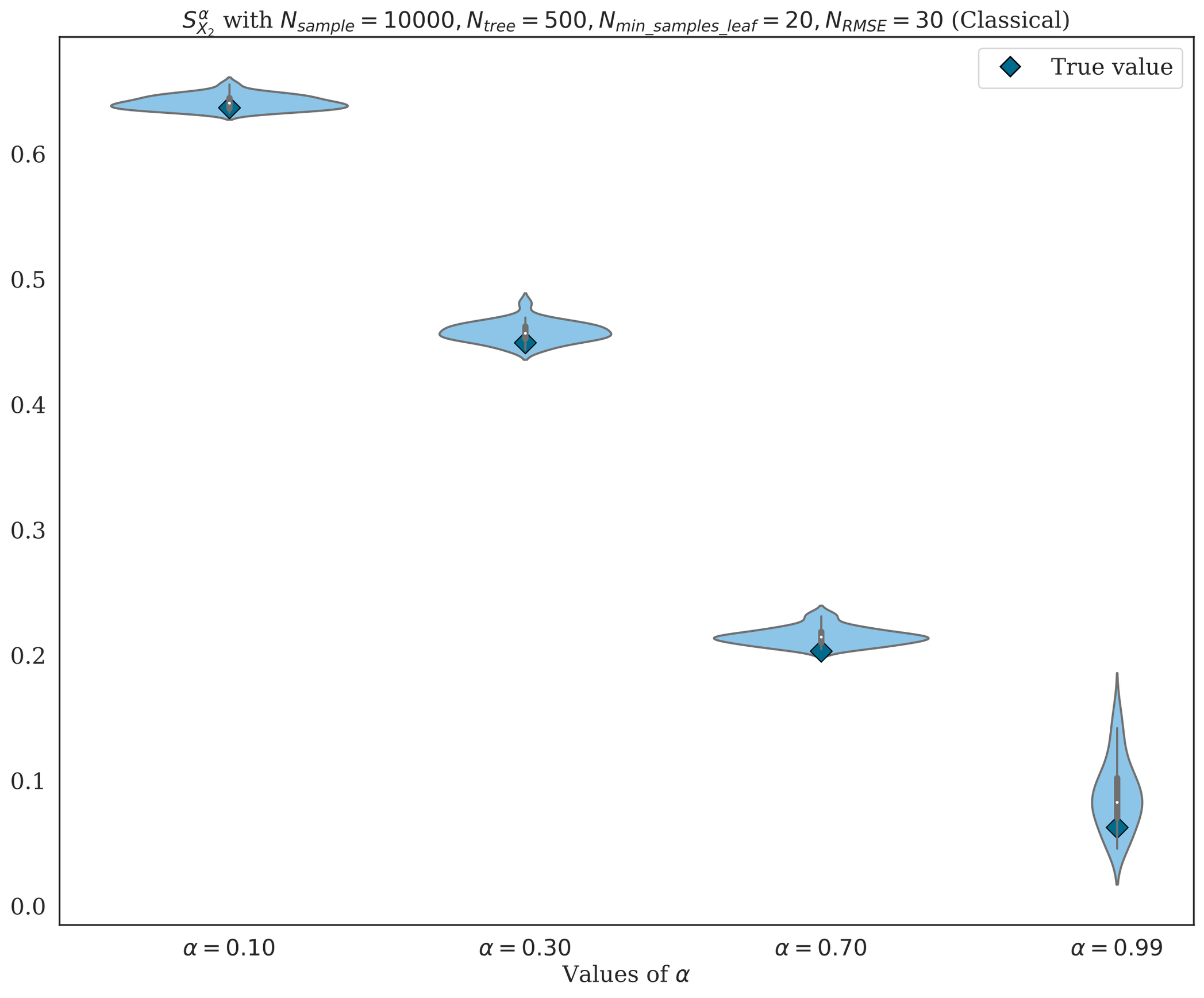

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Weighted)
True value
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

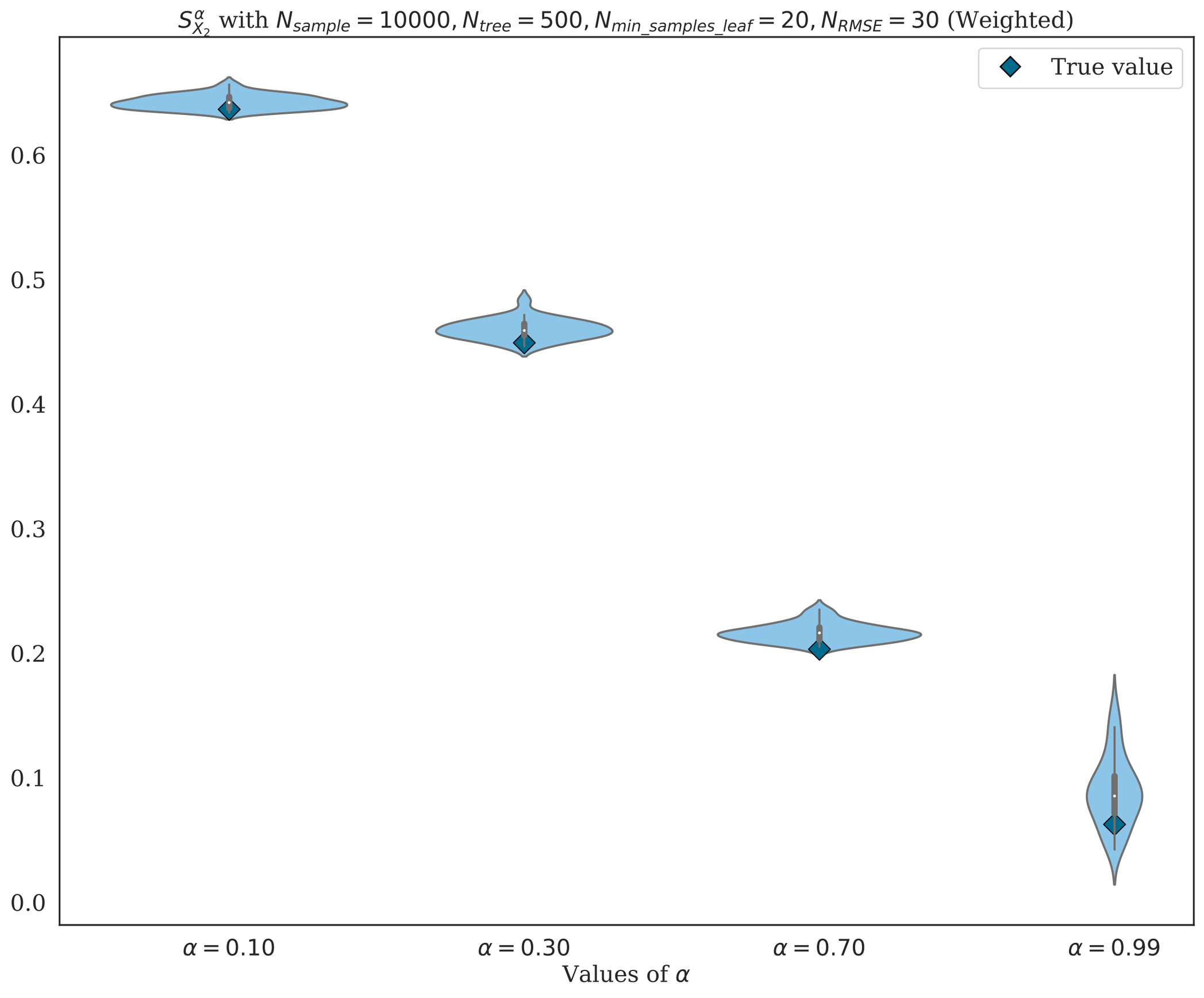

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Classical)
0.6
0.5
0.4
0.3
0.2
0.1
0.1
0.3
0.7
0.99
Values of α

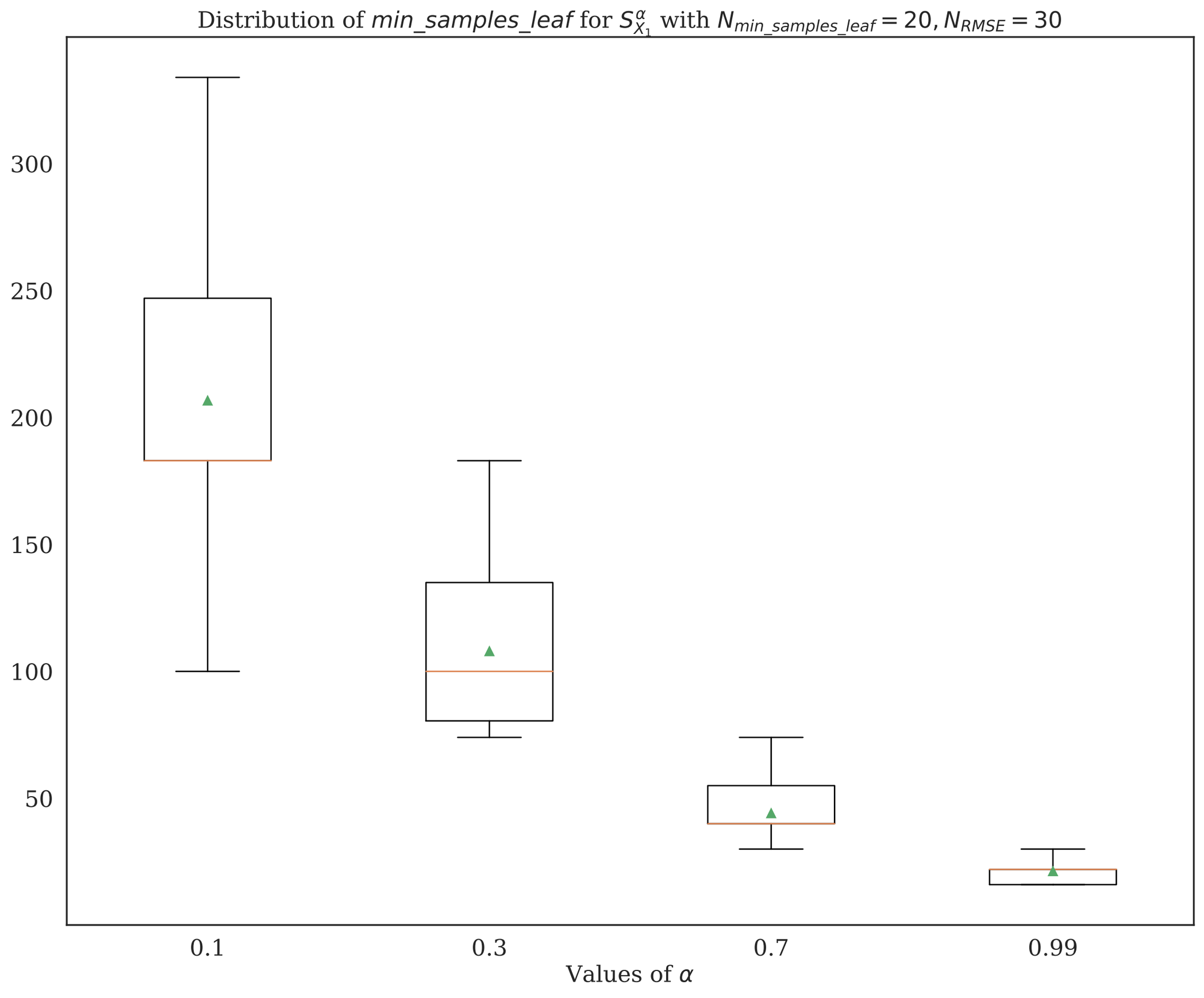

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Weighted)
0.6
0.5
0.4
0.3
0.2
0.1
0.1
0.3
0.7
0.99
Values of α

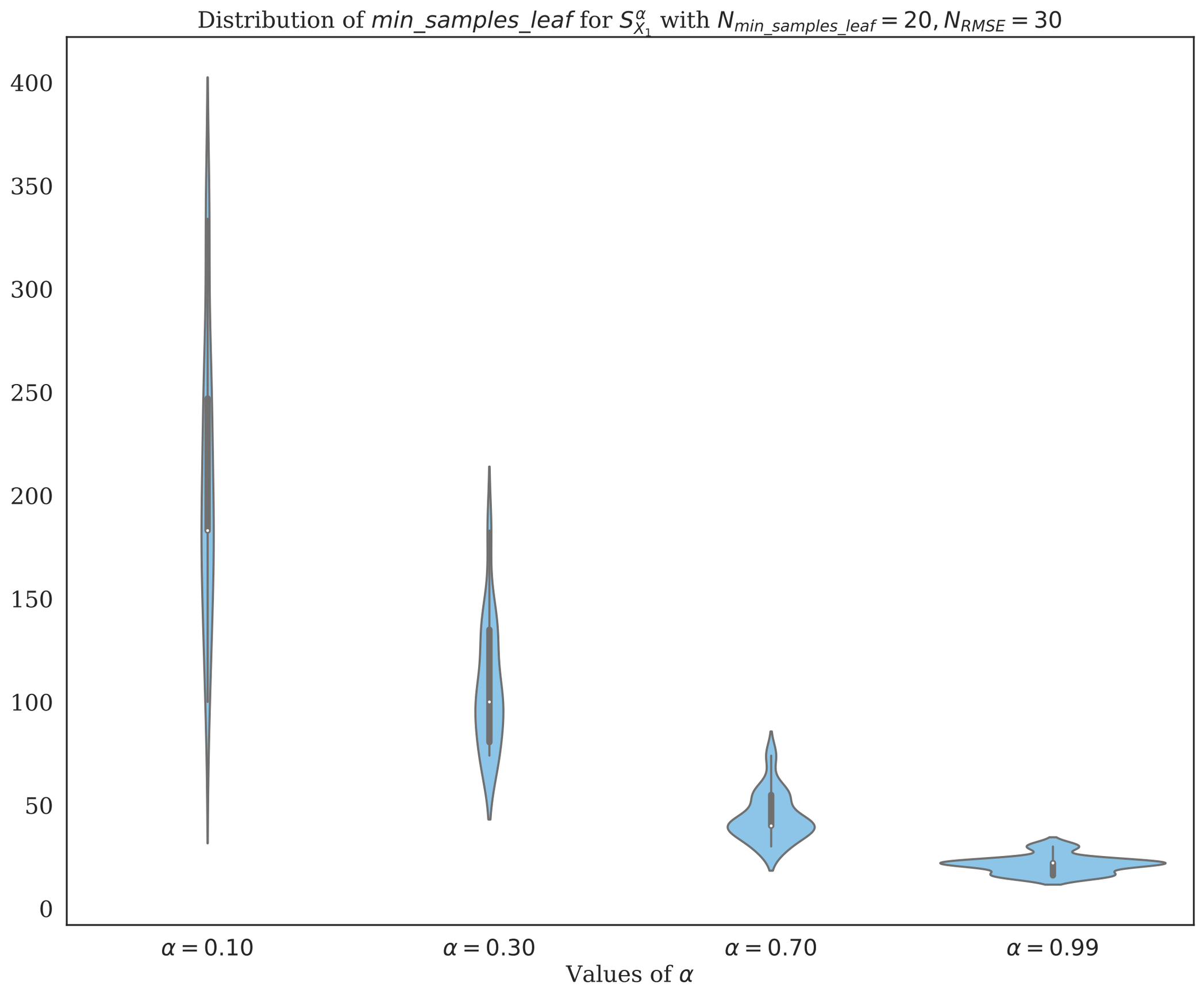

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Classical)
Mean
True value
0.6
0.5
0.4
0.3
0.2
0.1
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

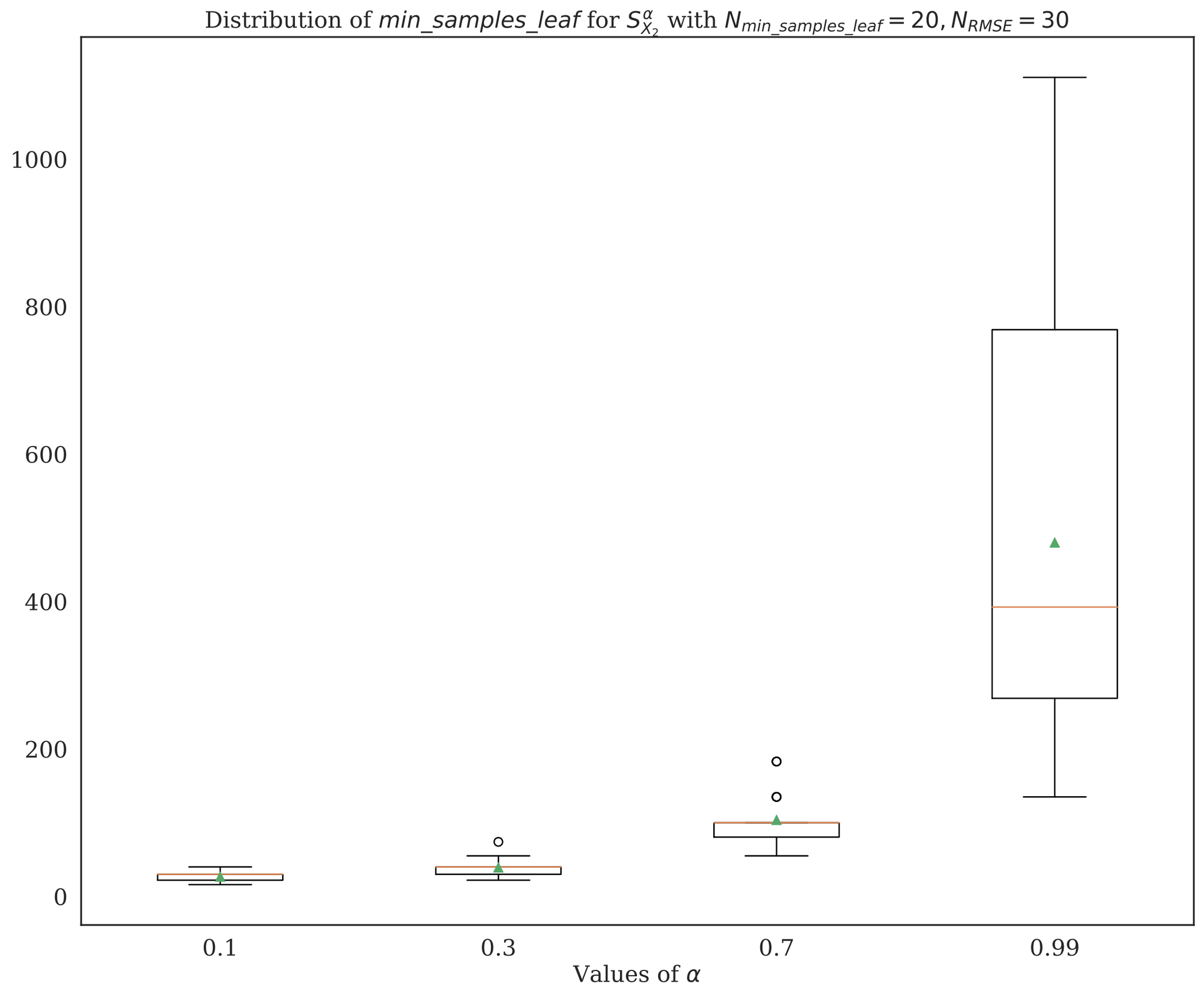

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Weighted)
Mean
True value
0.6
0.5
0.4
0.3
0.2
0.1
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α

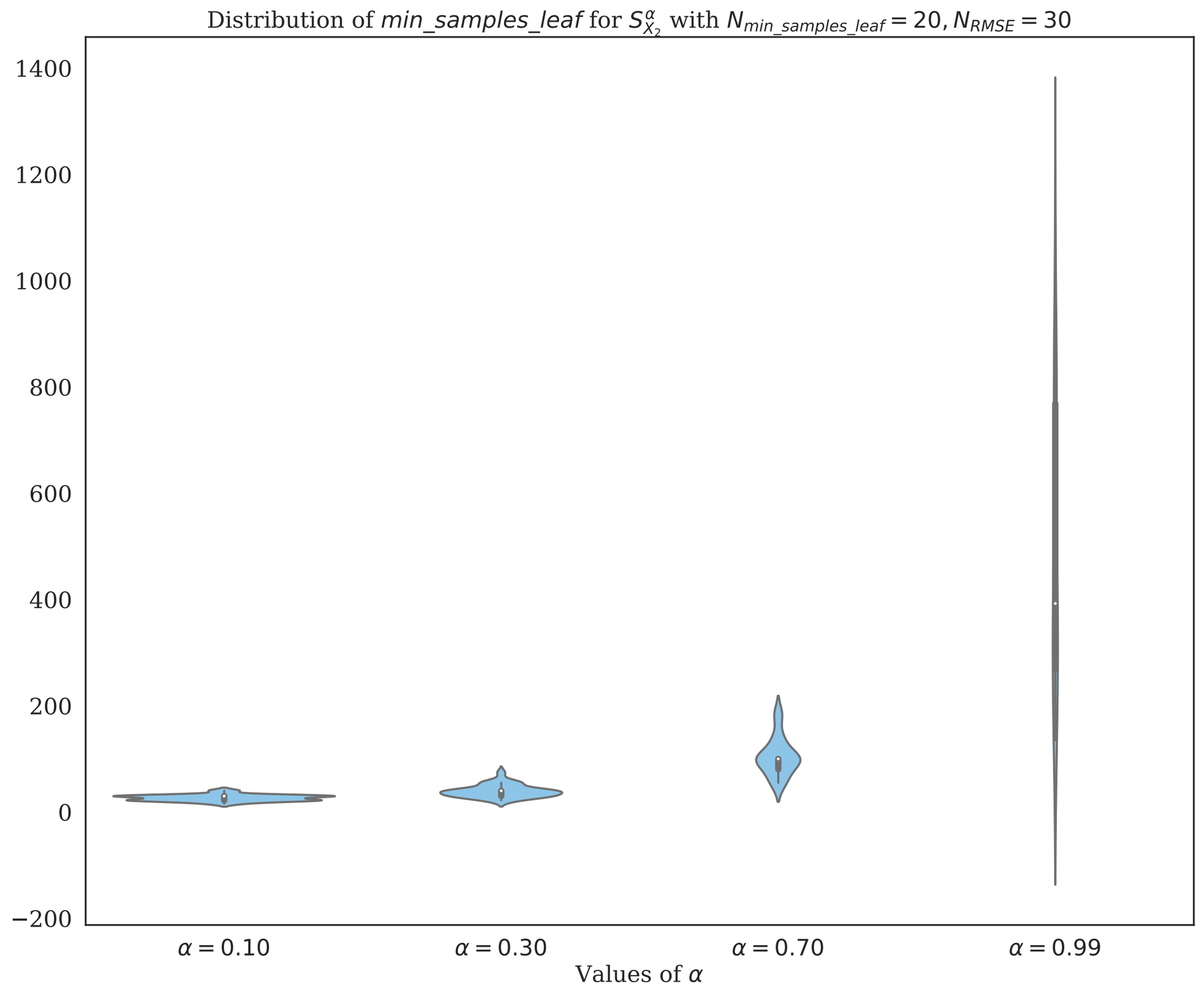

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Classical)
True value
0.6
0.5
0.4
0.3
0.2
0.1
0.0
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α


$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 500, N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$ (Weighted)
True value
0.6
0.5
0.4
0.3
0.2
0.1
0.0
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_1}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
300
250
200
150
100
50
0.1
0.3
0.7
0.99
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_1}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
400
350
300
250
200
150
100
50
0
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_2}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
1000
800
600
400
200
0
0.1
0.3
0.7
0.99
Values of α


Distribution of min_samples_leaf for $S^{\alpha}_{X_2}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 30$
1400
1200
1000
800
600
400
200
0
−200
$\alpha = 0.10$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of α