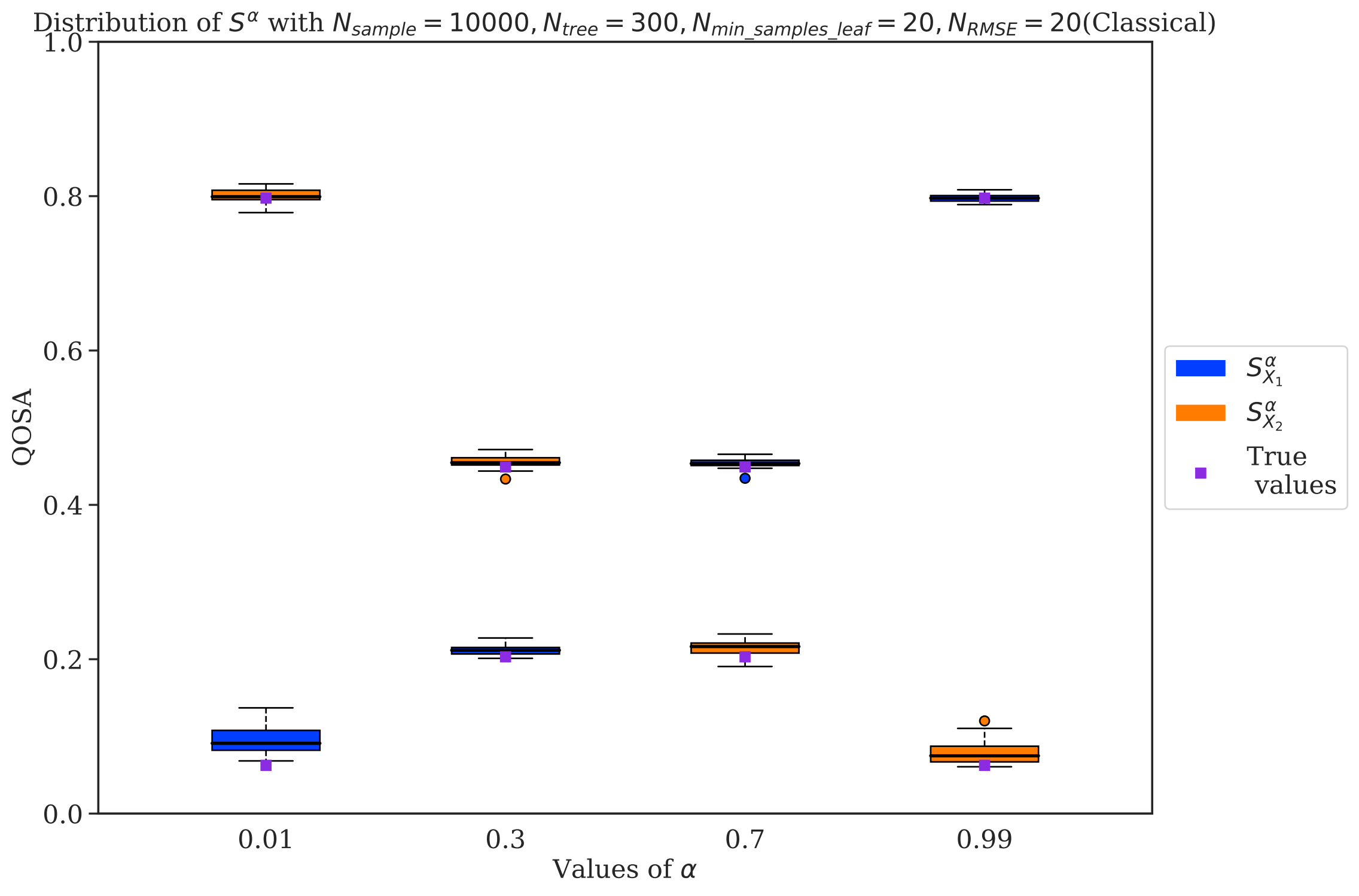
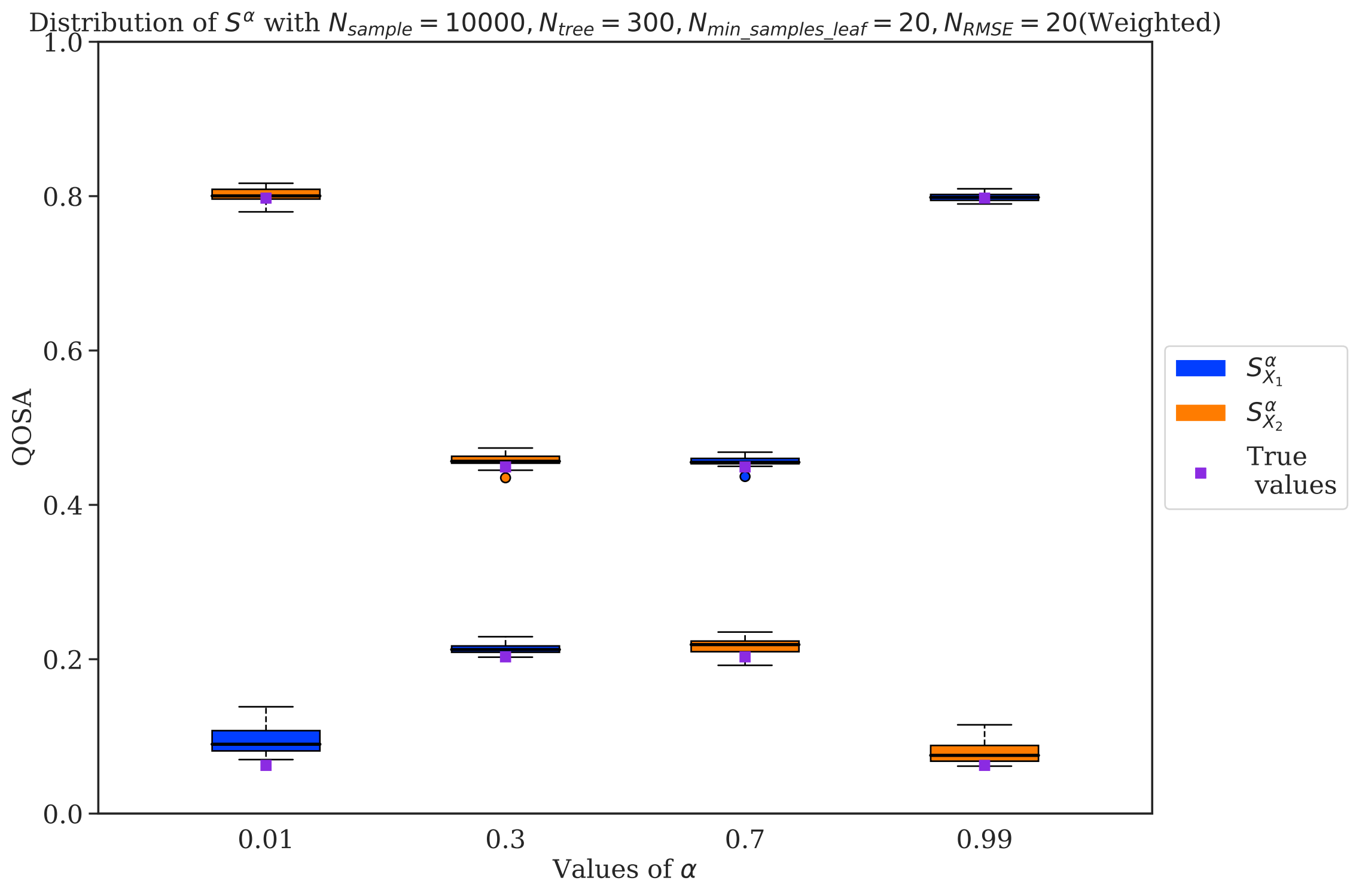
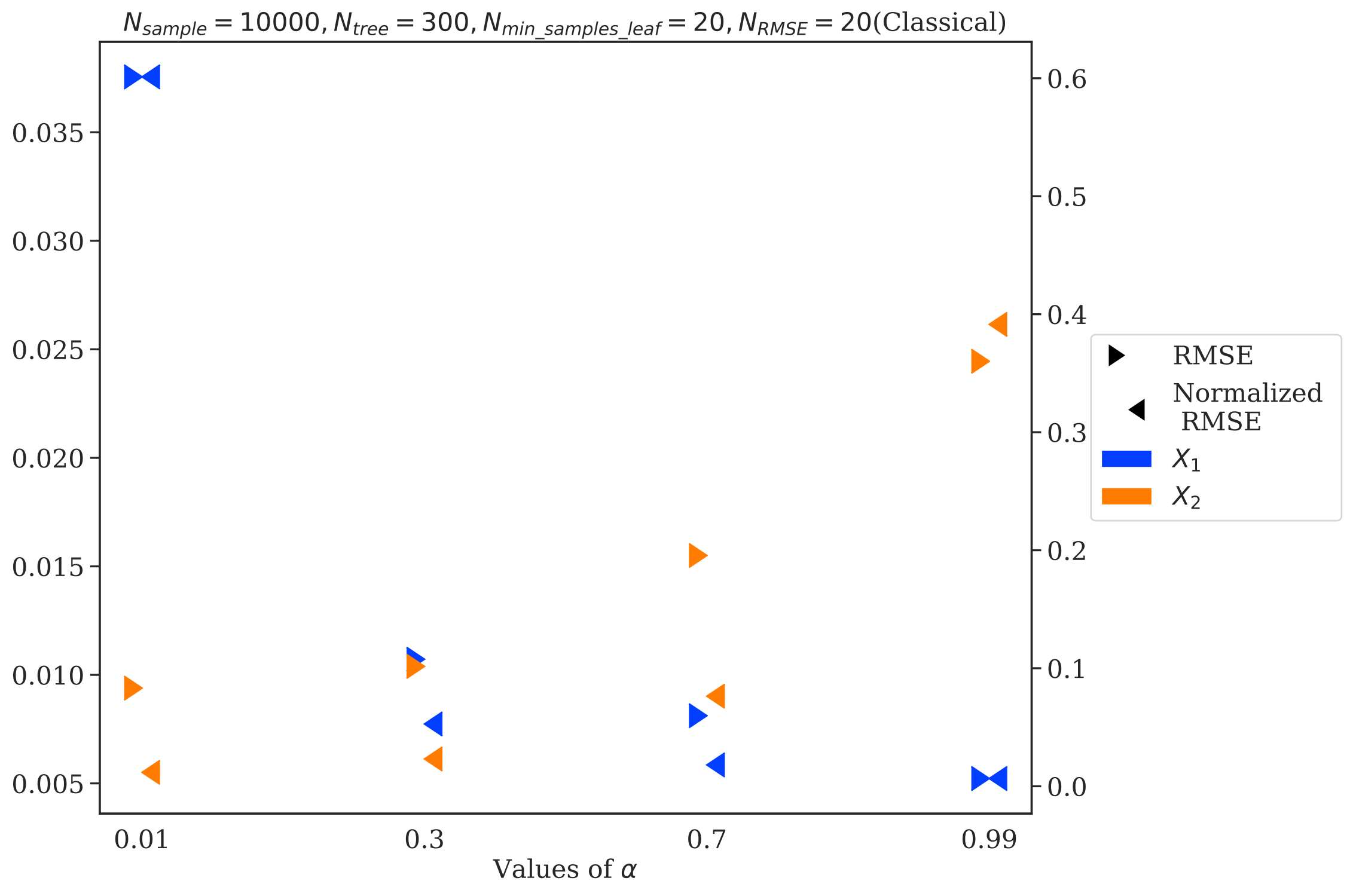
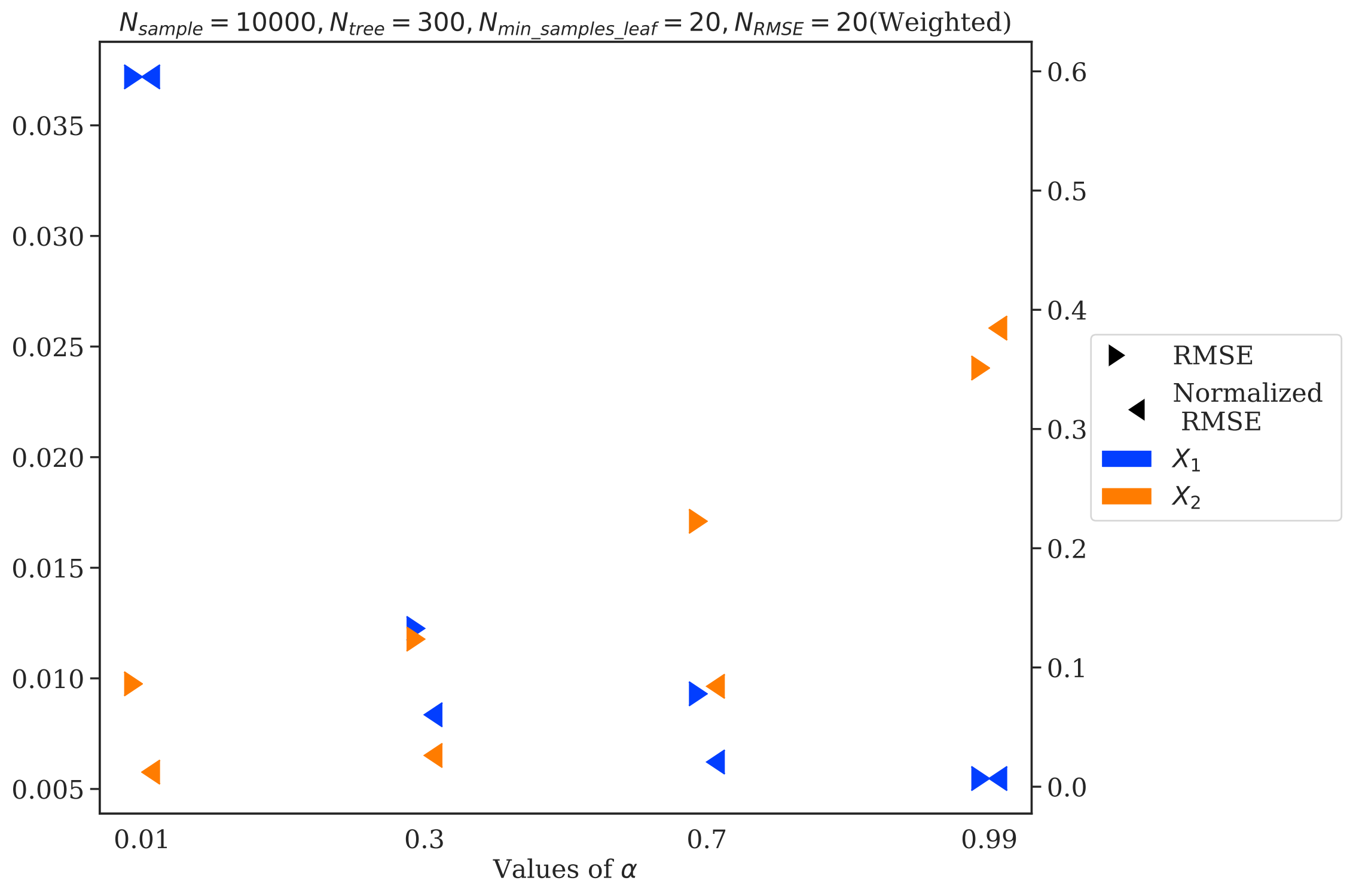
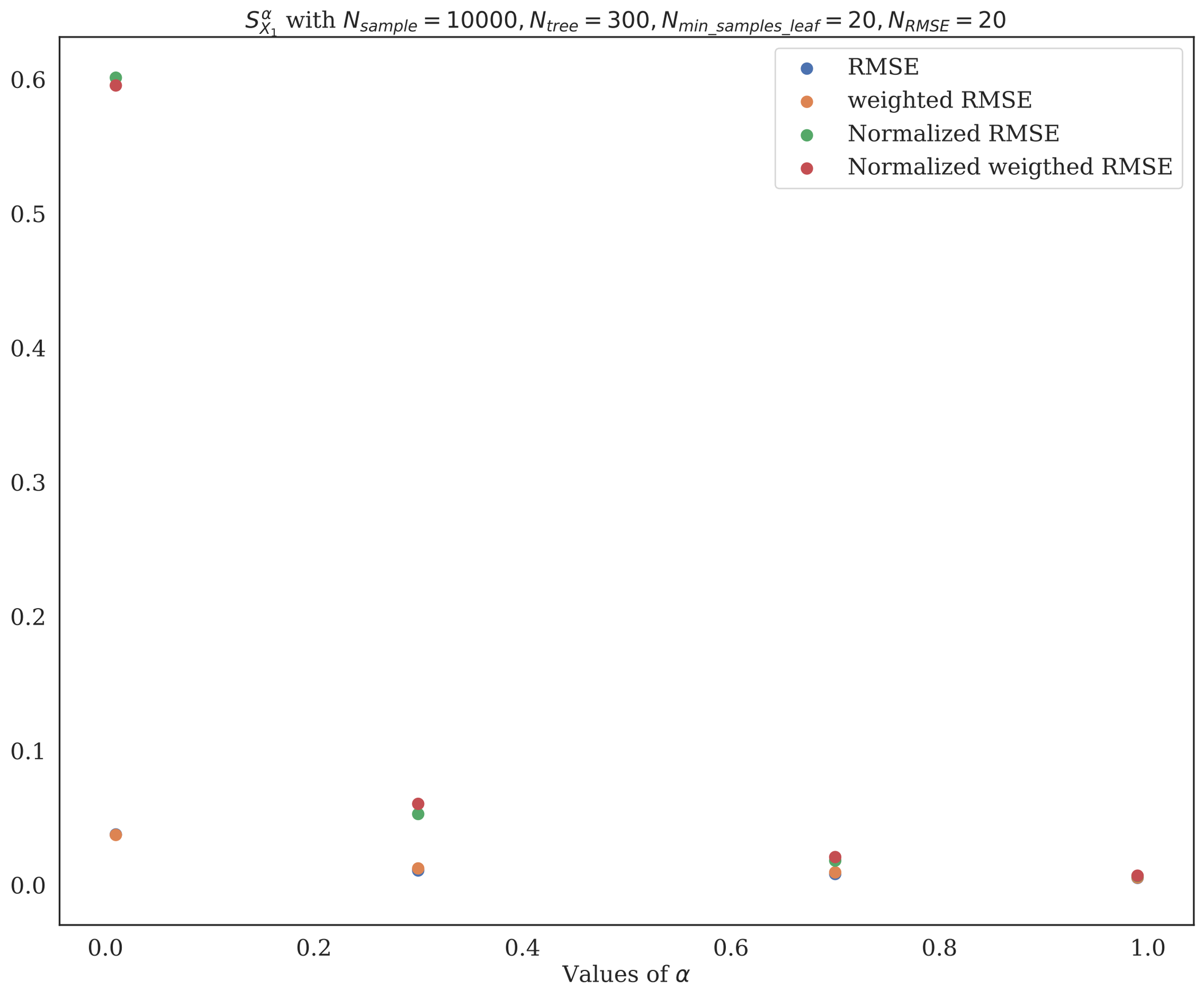
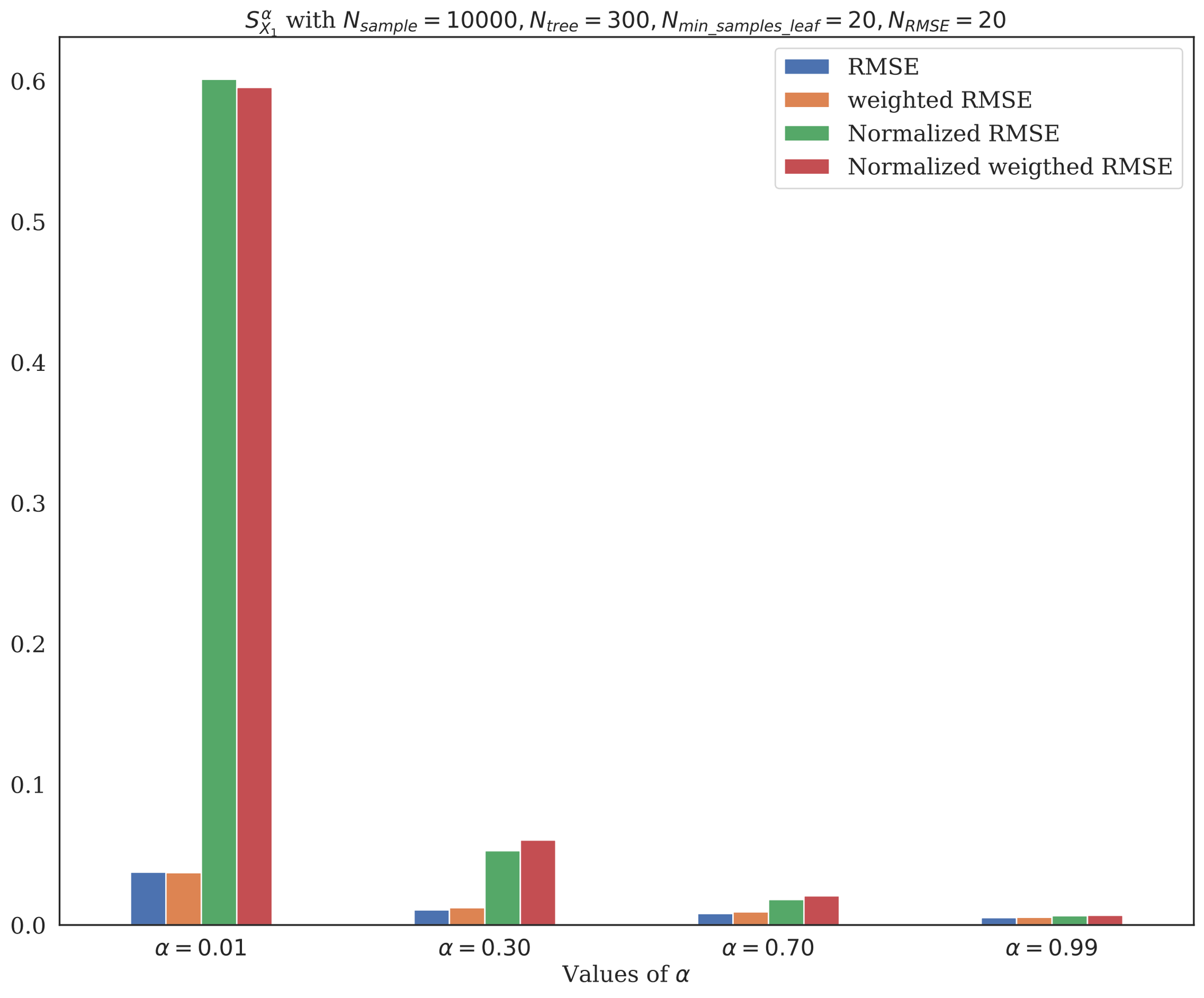

Distribution of $S^{\alpha}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$(Classical)
1.0
0.8
0.6
0.4
0.2
0.0
QOSA
0.01
0.3
0.7
0.99
Values of $\alpha$
$S^{\alpha}_{X_1}$
$S^{\alpha}_{X_2}$
True values

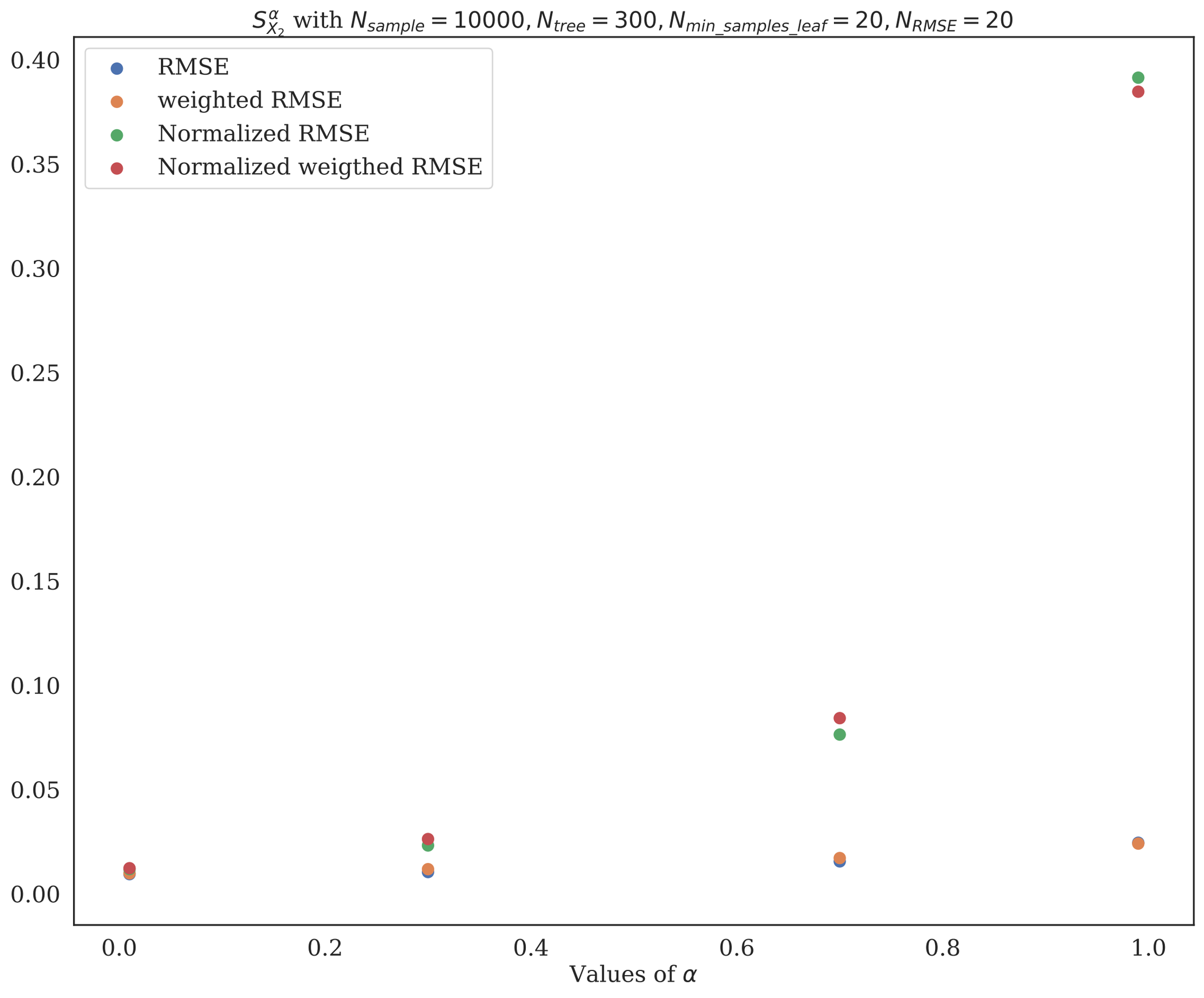

Distribution of $S^{\alpha}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$(Weighted)
1.0
0.8
0.6
0.4
0.2
0.0
QOSA
0.01
0.3
0.7
0.99
Values of $\alpha$
$S^{\alpha}_{X_1}$
$S^{\alpha}_{X_2}$
True values

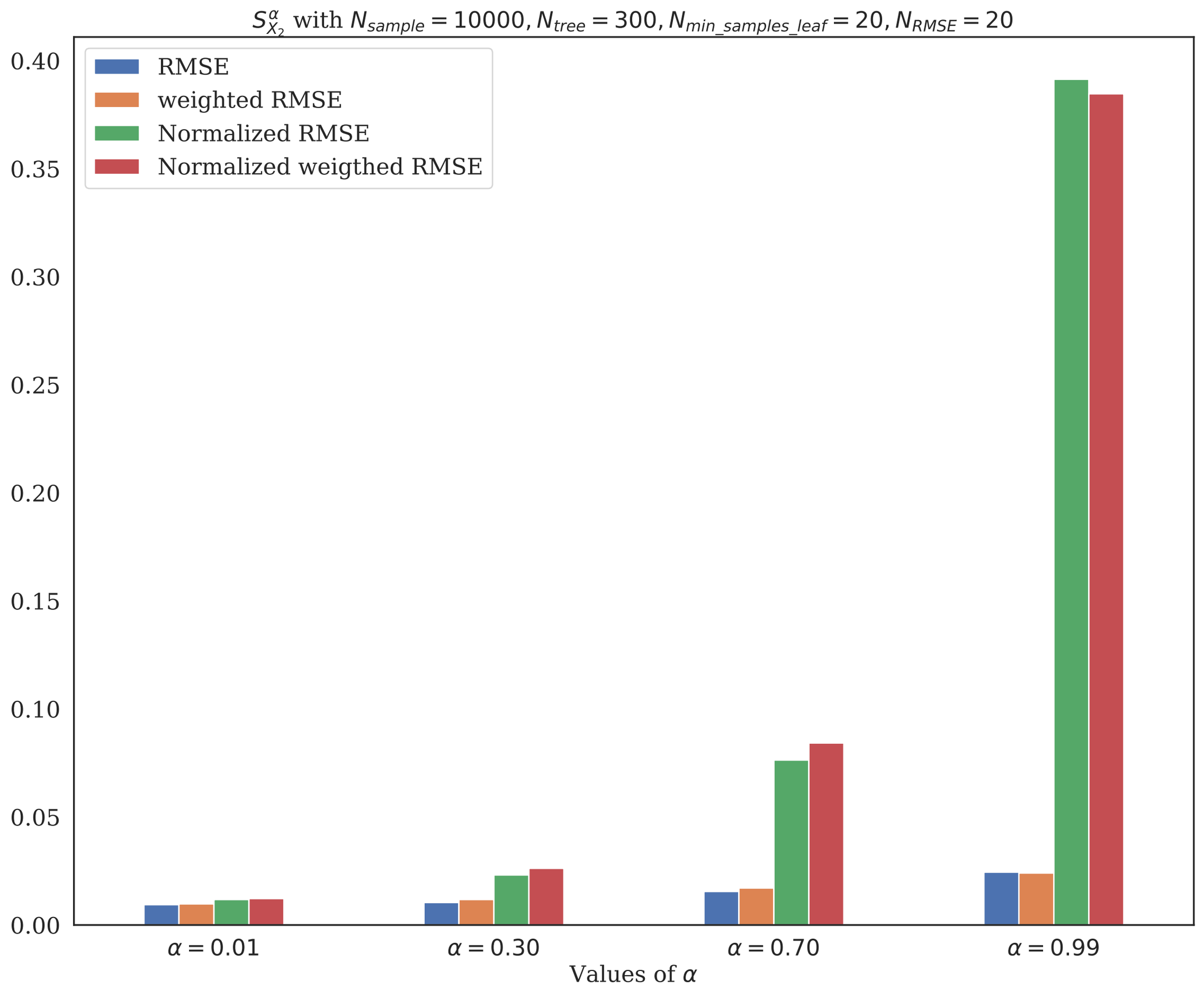

$N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$(Classical)
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.01
0.3
0.7
0.99
Values of $\alpha$
RMSE
Normalized RMSE
$X_1$
$X_2$

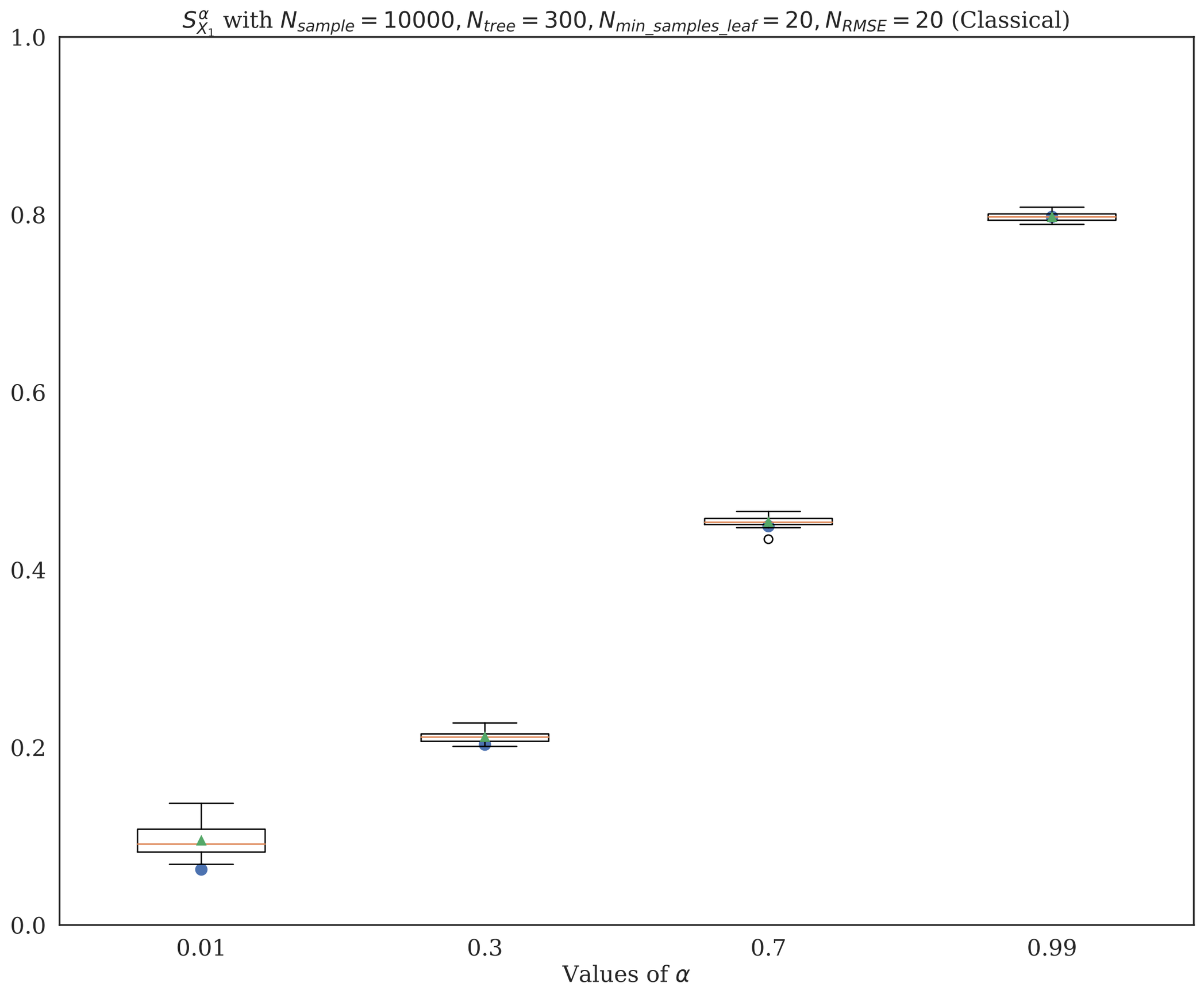

$N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$(Weighted)
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.01
0.3
0.7
0.99
Values of $\alpha$
RMSE
Normalized RMSE
$X_1$
$X_2$

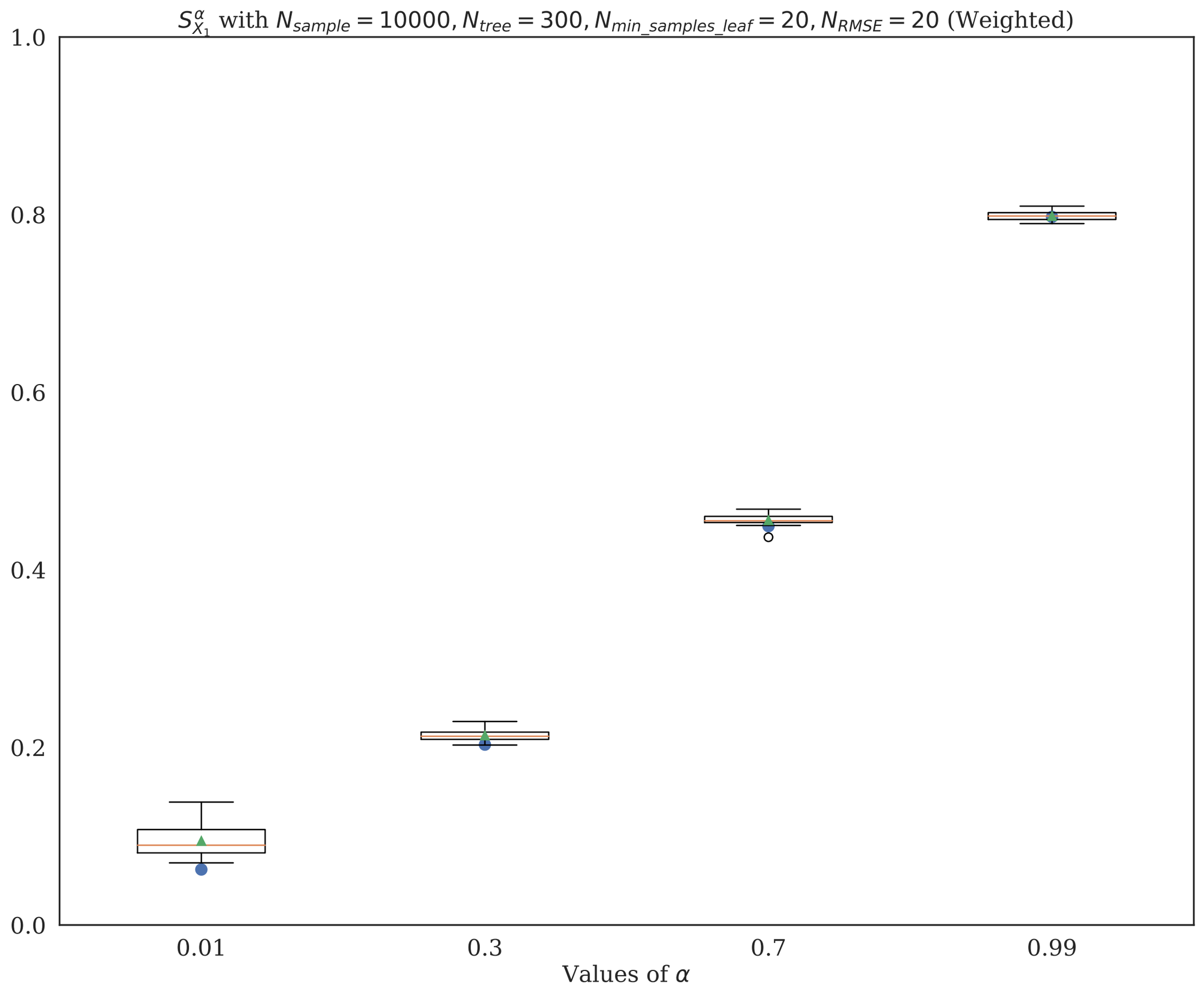

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Values of $\alpha$

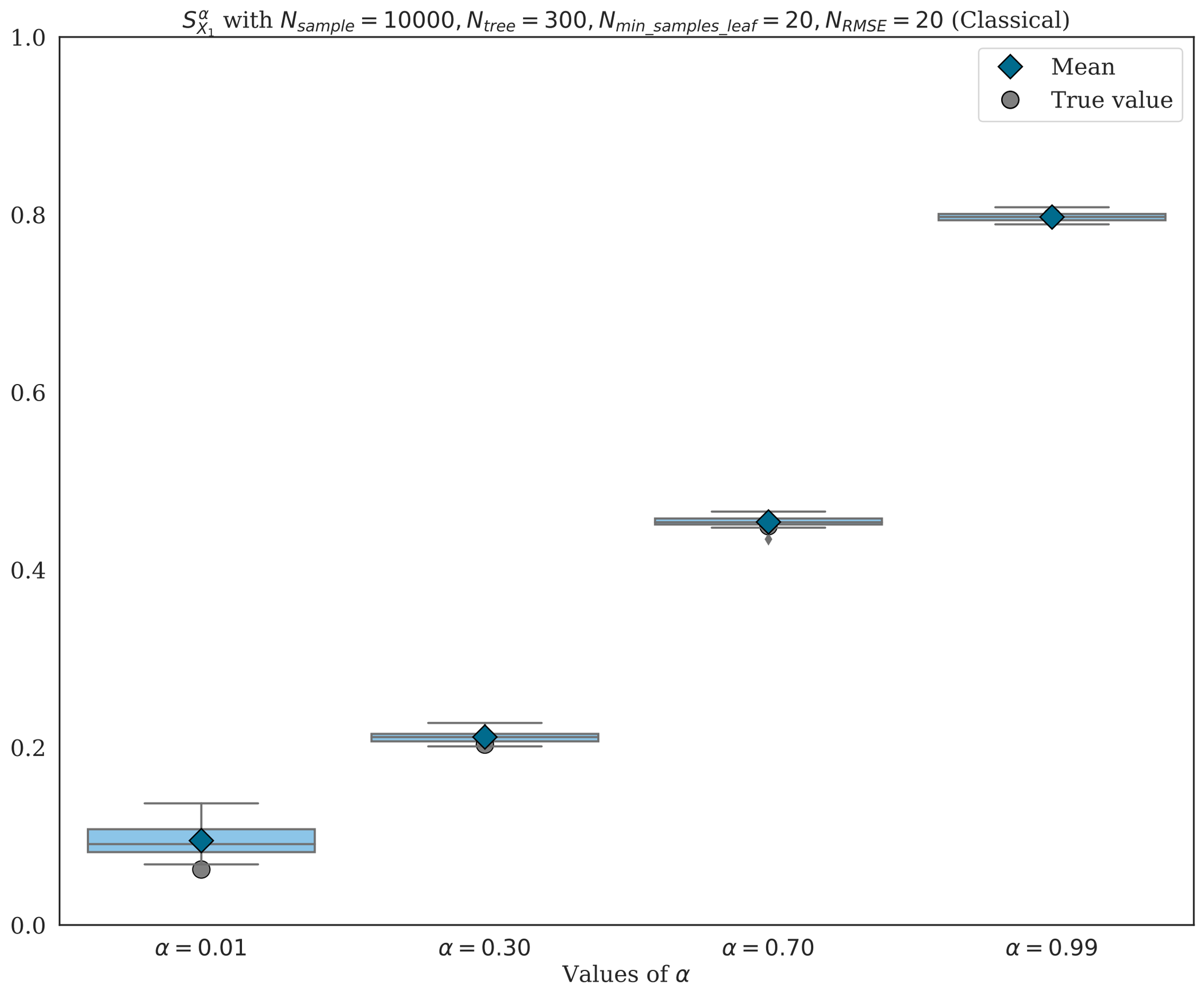

$S_{X_1}^{\alpha}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.0
0.1
0.2
0.3
0.4
0.5
0.6
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

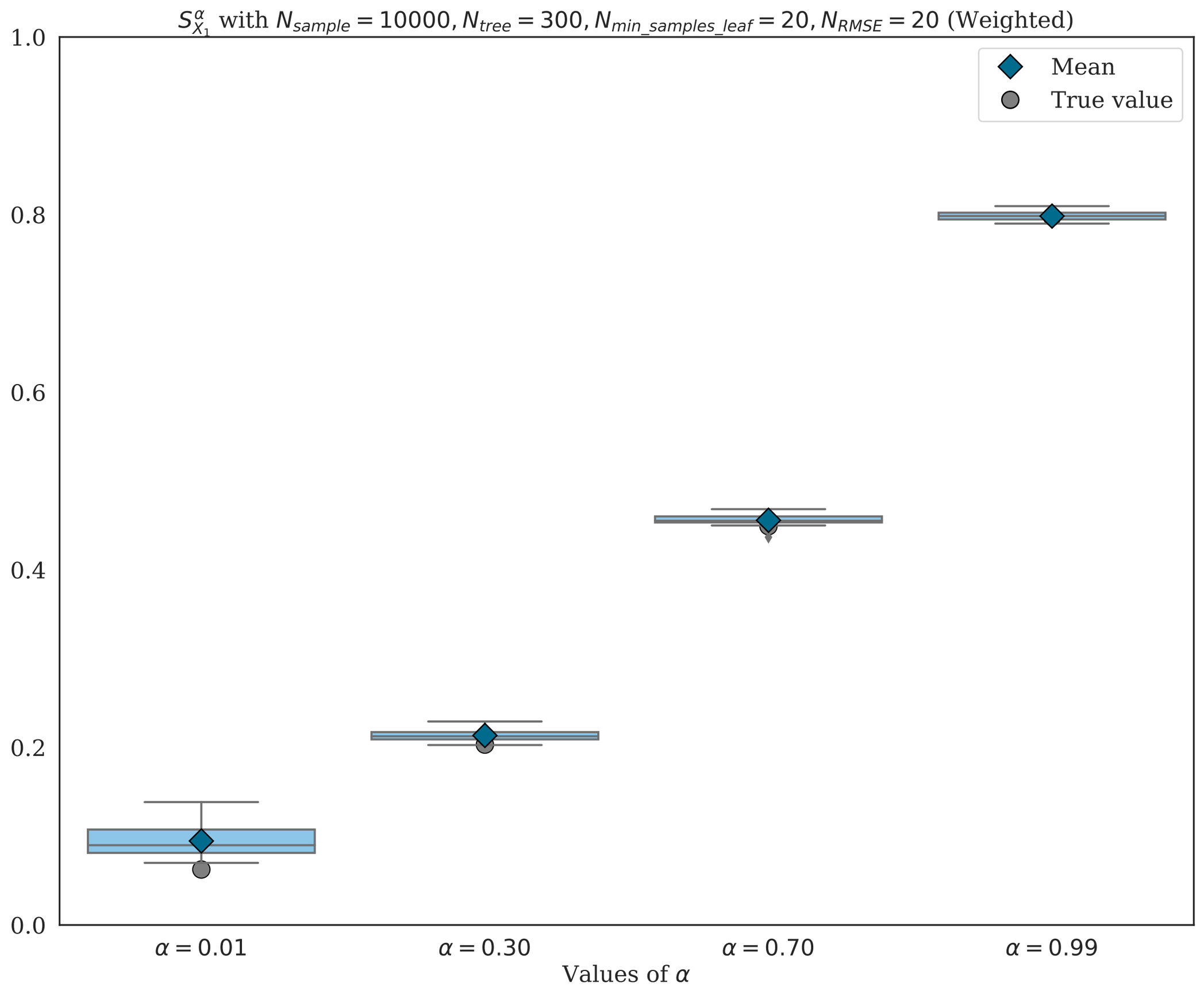

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.0
0.2
0.4
0.6
0.8
1.0
Values of $\alpha$

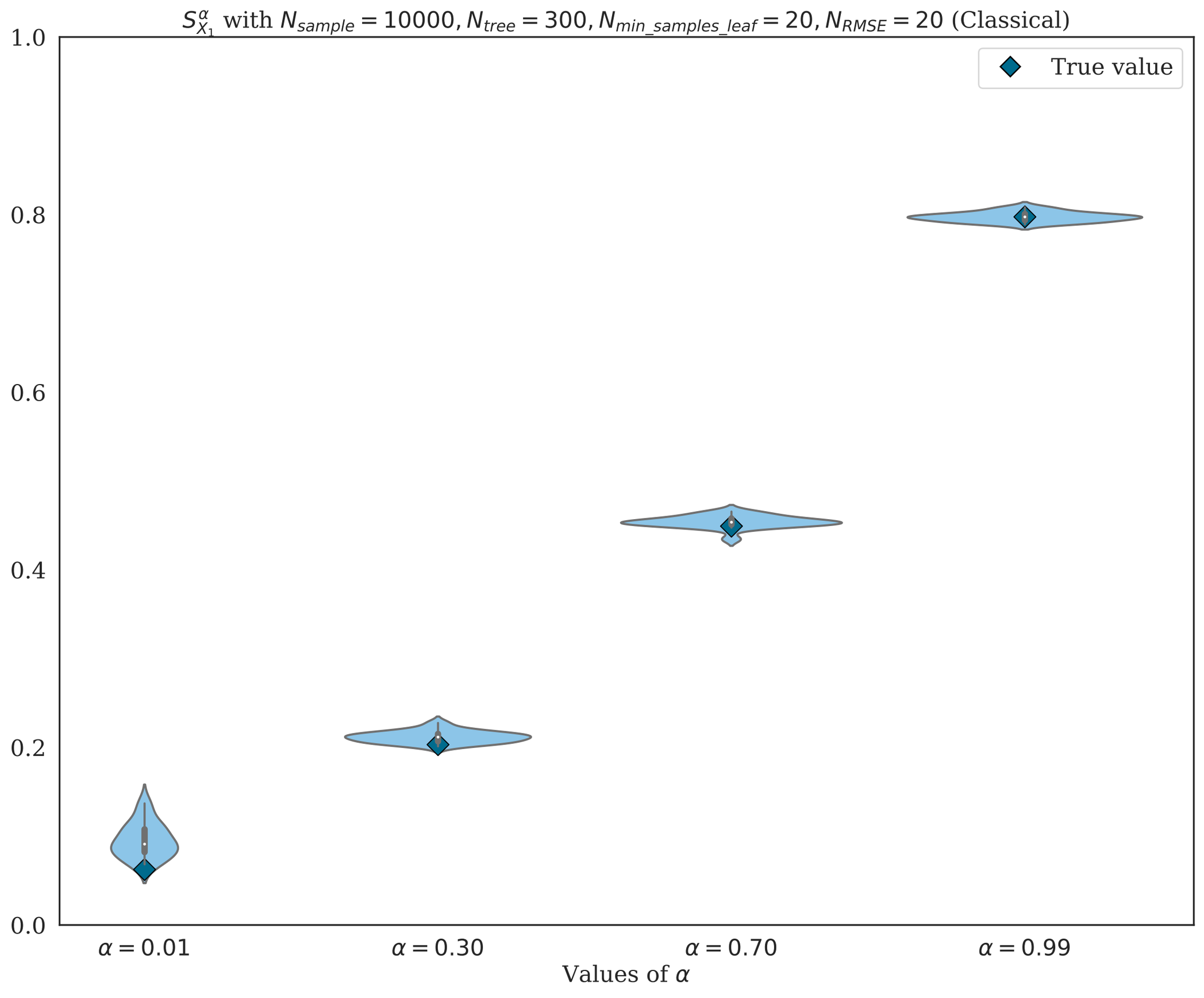

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
RMSE
weighted RMSE
Normalized RMSE
Normalized weigthed RMSE
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

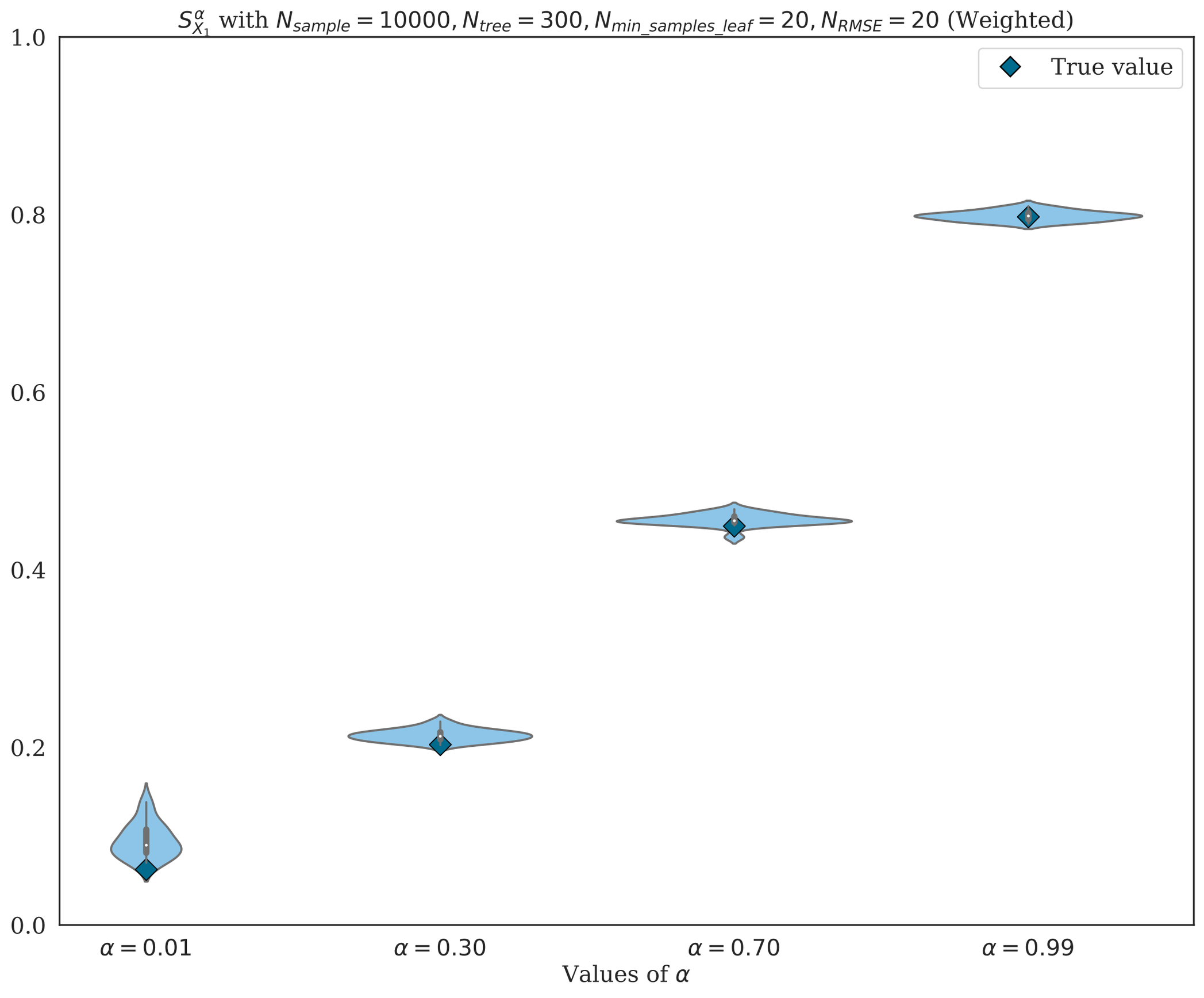

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Classical)
1.0
0.8
0.6
0.4
0.2
0.0
0.01
0.3
0.7
0.99
Values of $\alpha$

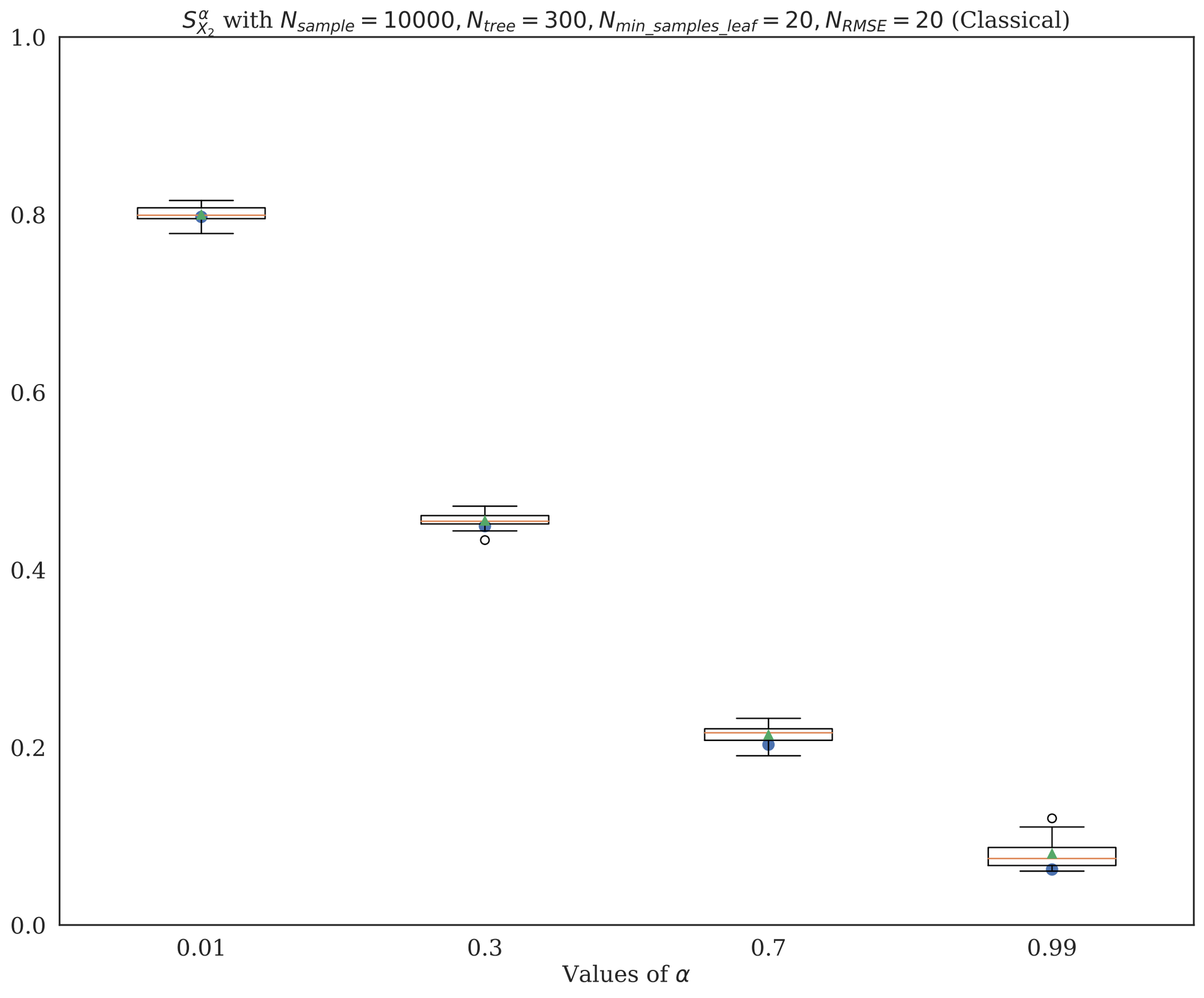

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Weighted)
1.0
0.8
0.6
0.4
0.2
0.0
0.01
0.3
0.7
0.99
Values of $\alpha$

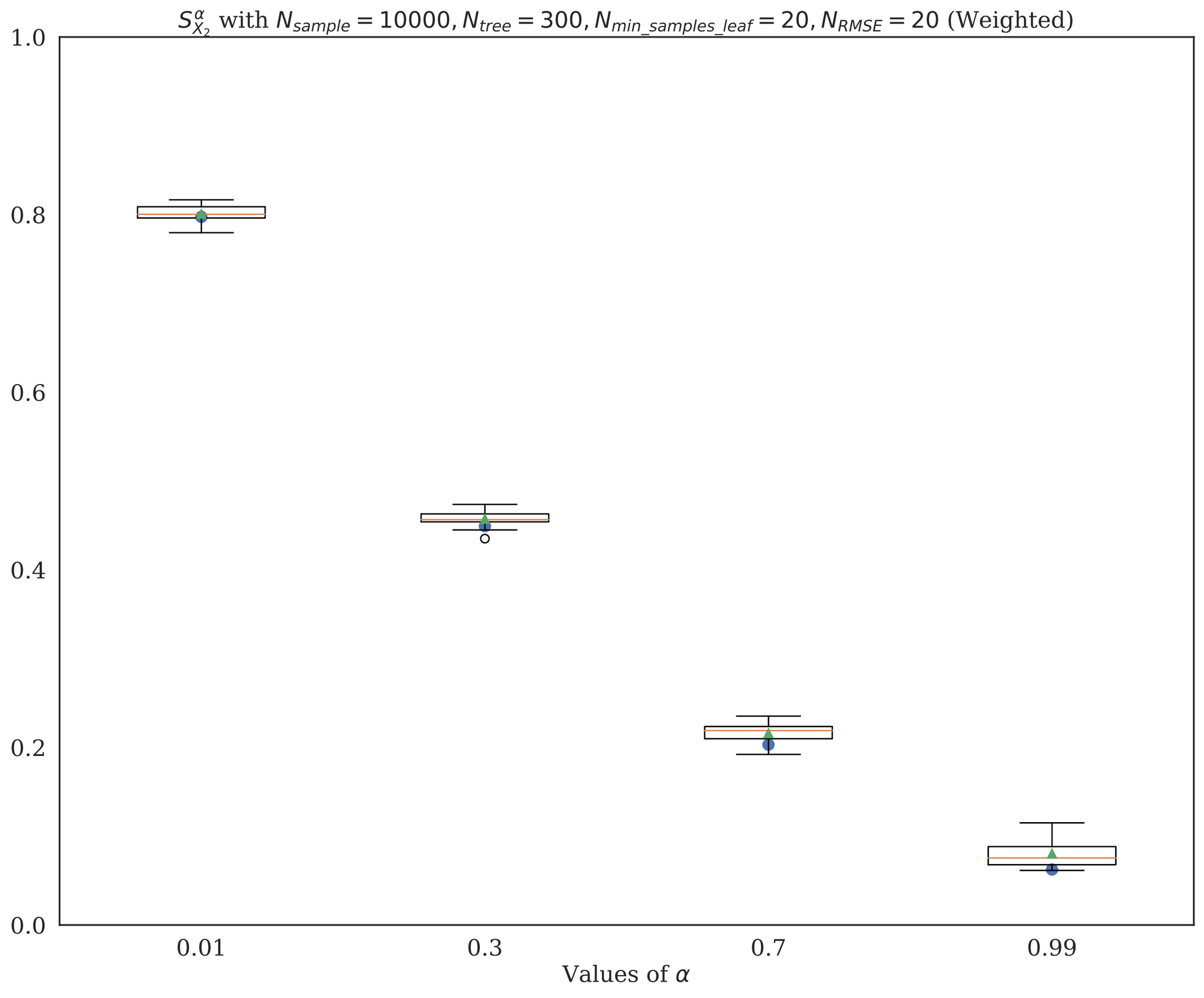

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Classical)
Mean
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

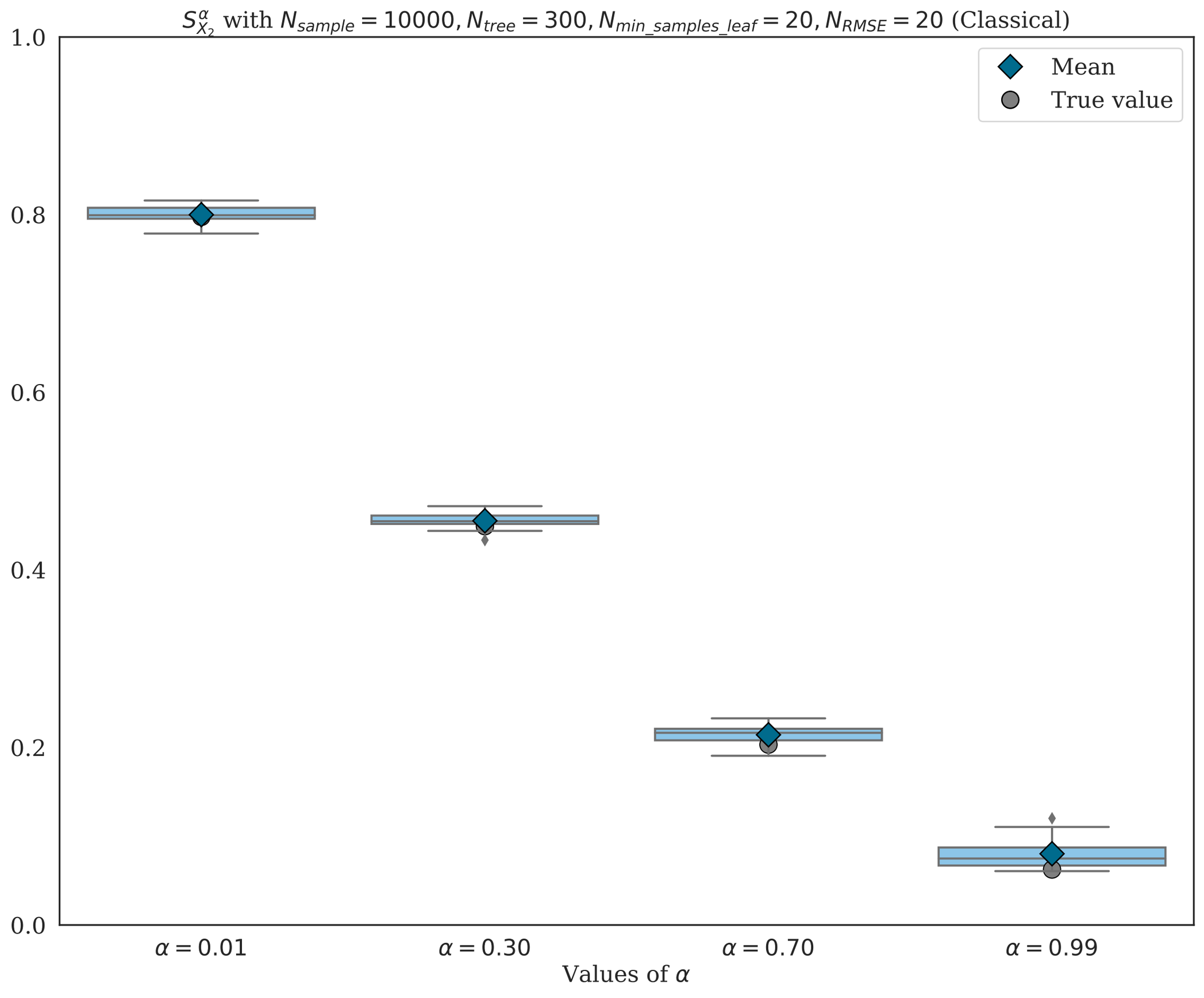

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Weighted)
Mean
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

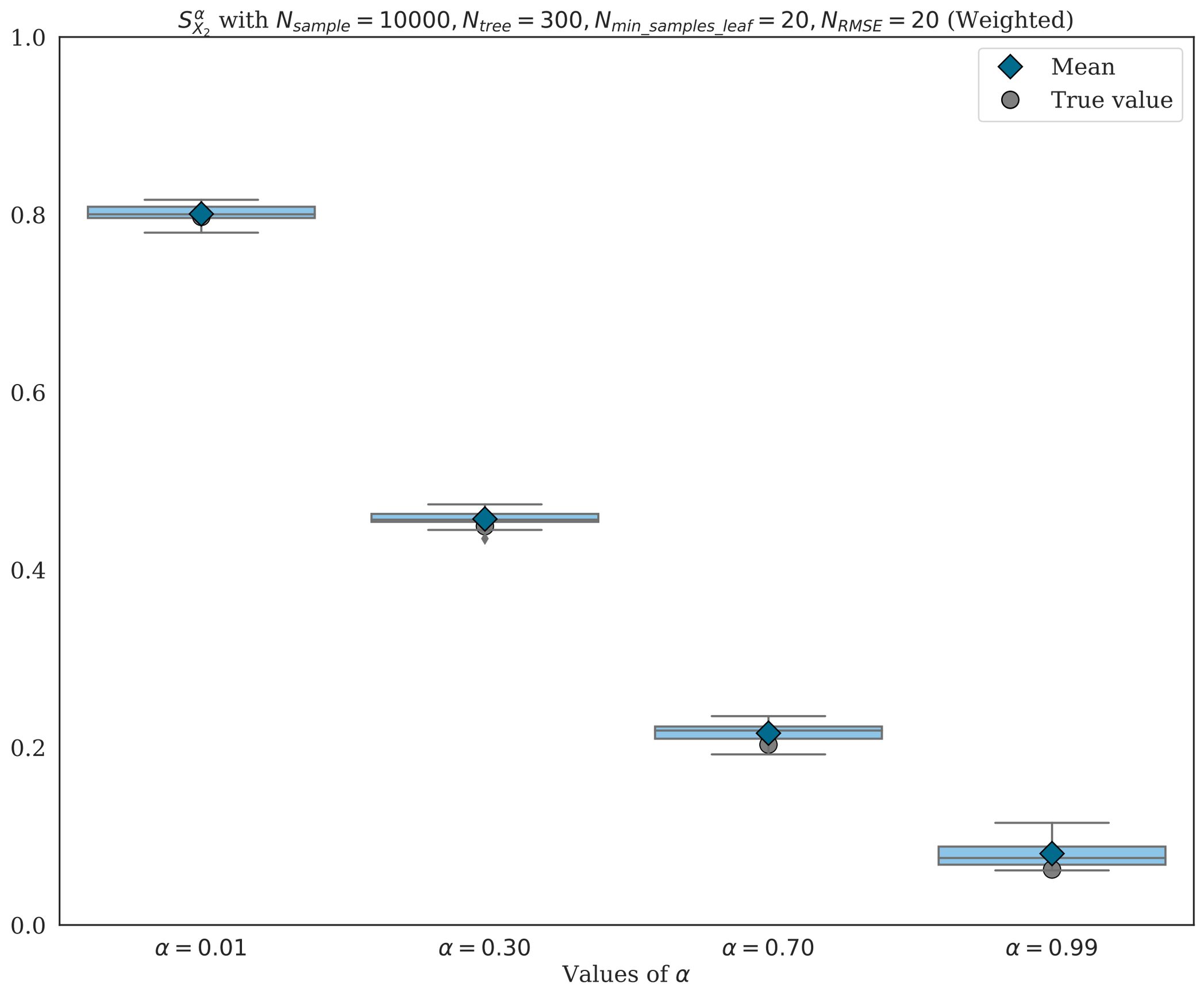

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Classical)
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

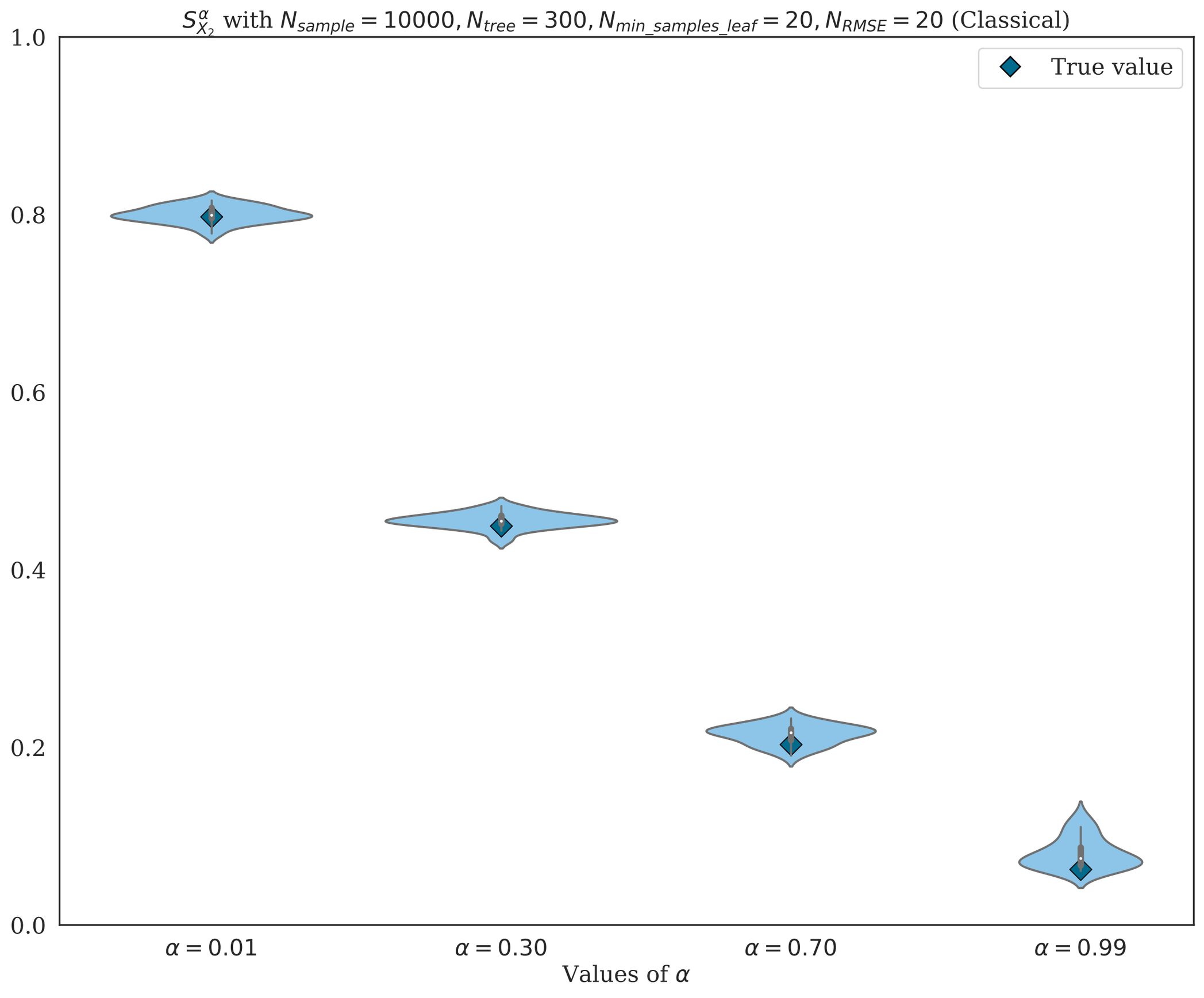

$S^{\alpha}_{X_1}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Weighted)
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

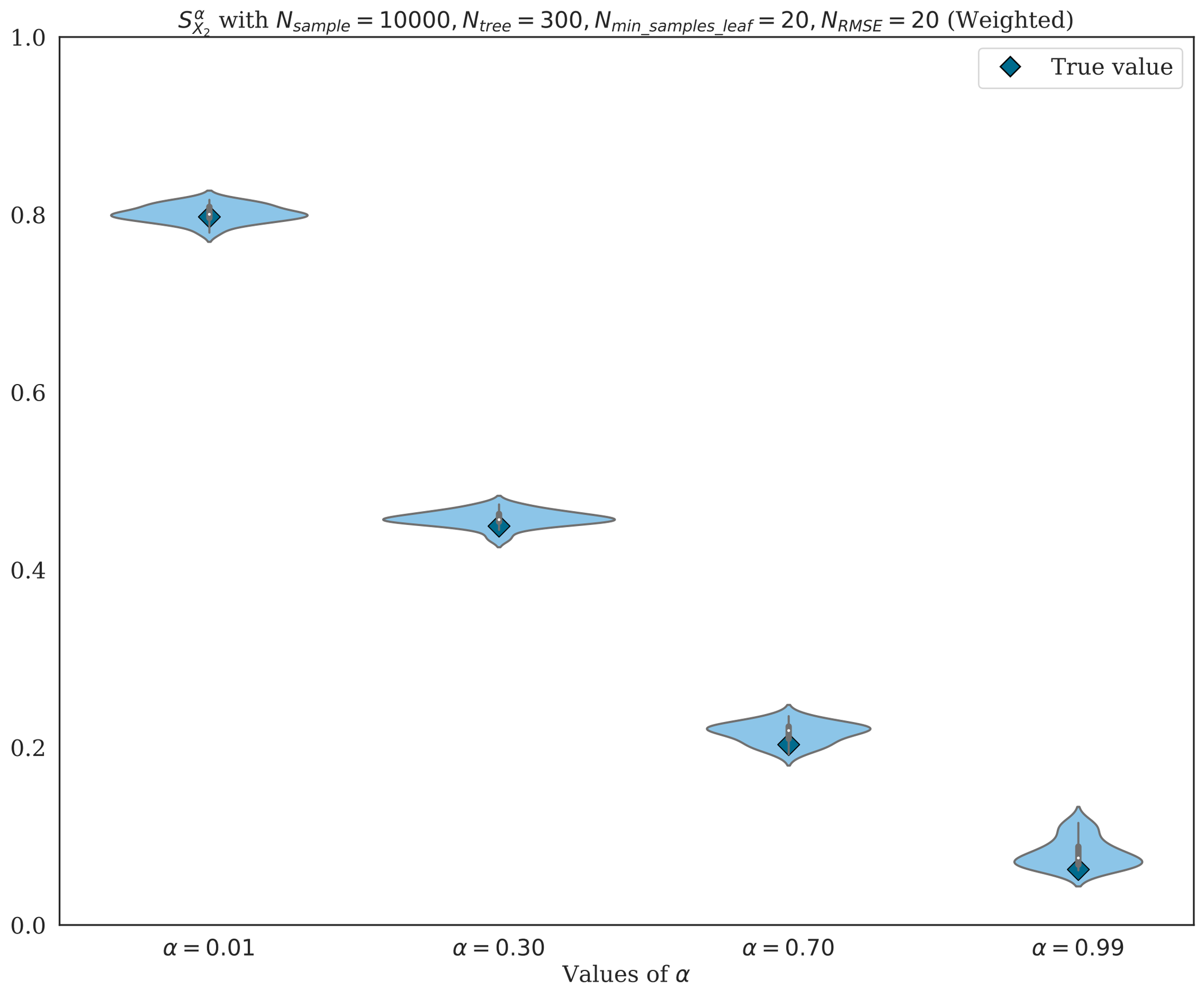

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Classical)
1.0
0.8
0.6
0.4
0.2
0.0
0.01
0.3
0.7
0.99
Values of $\alpha$

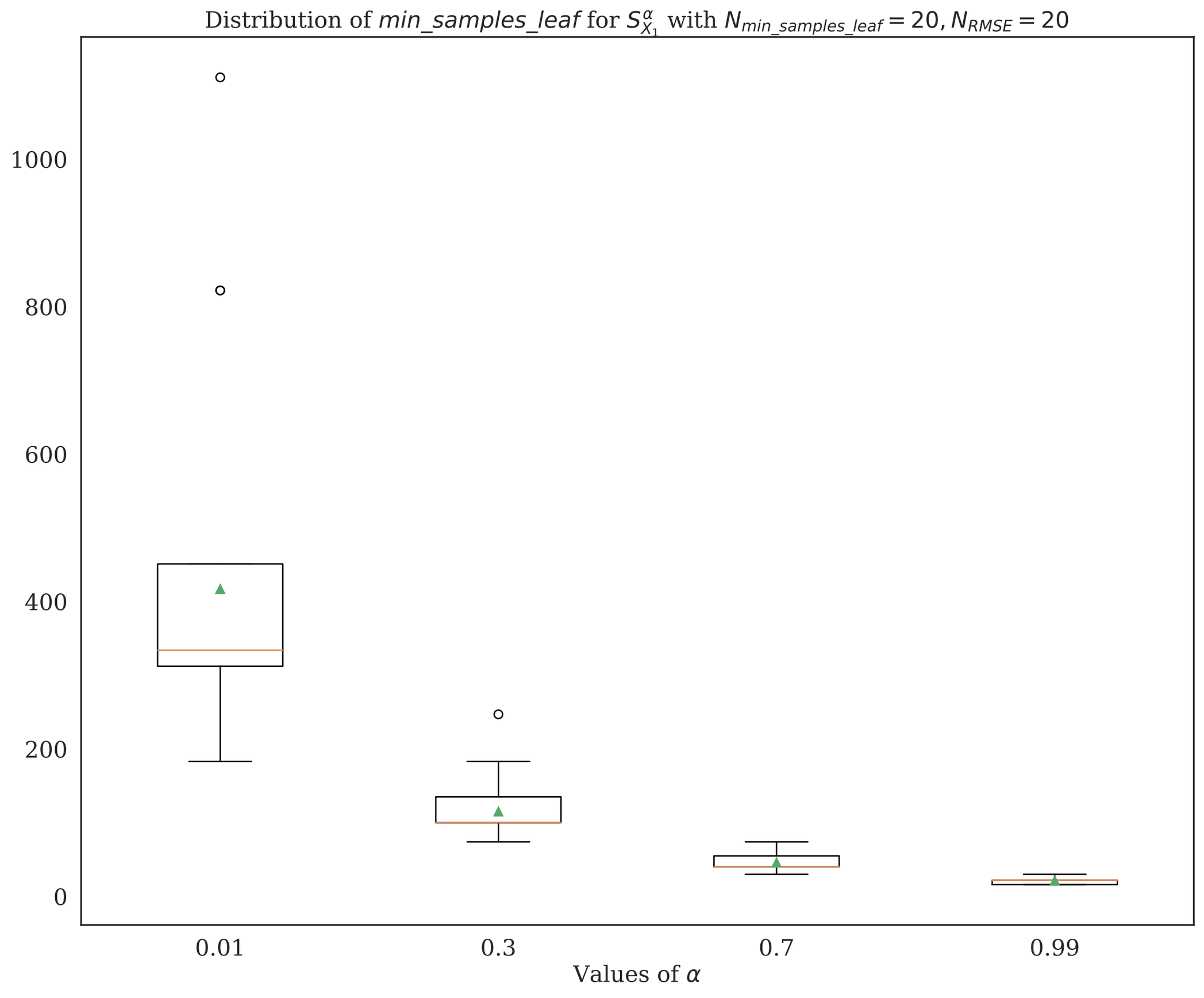

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Weighted)
1.0
0.8
0.6
0.4
0.2
0.0
0.01
0.3
0.7
0.99
Values of $\alpha$

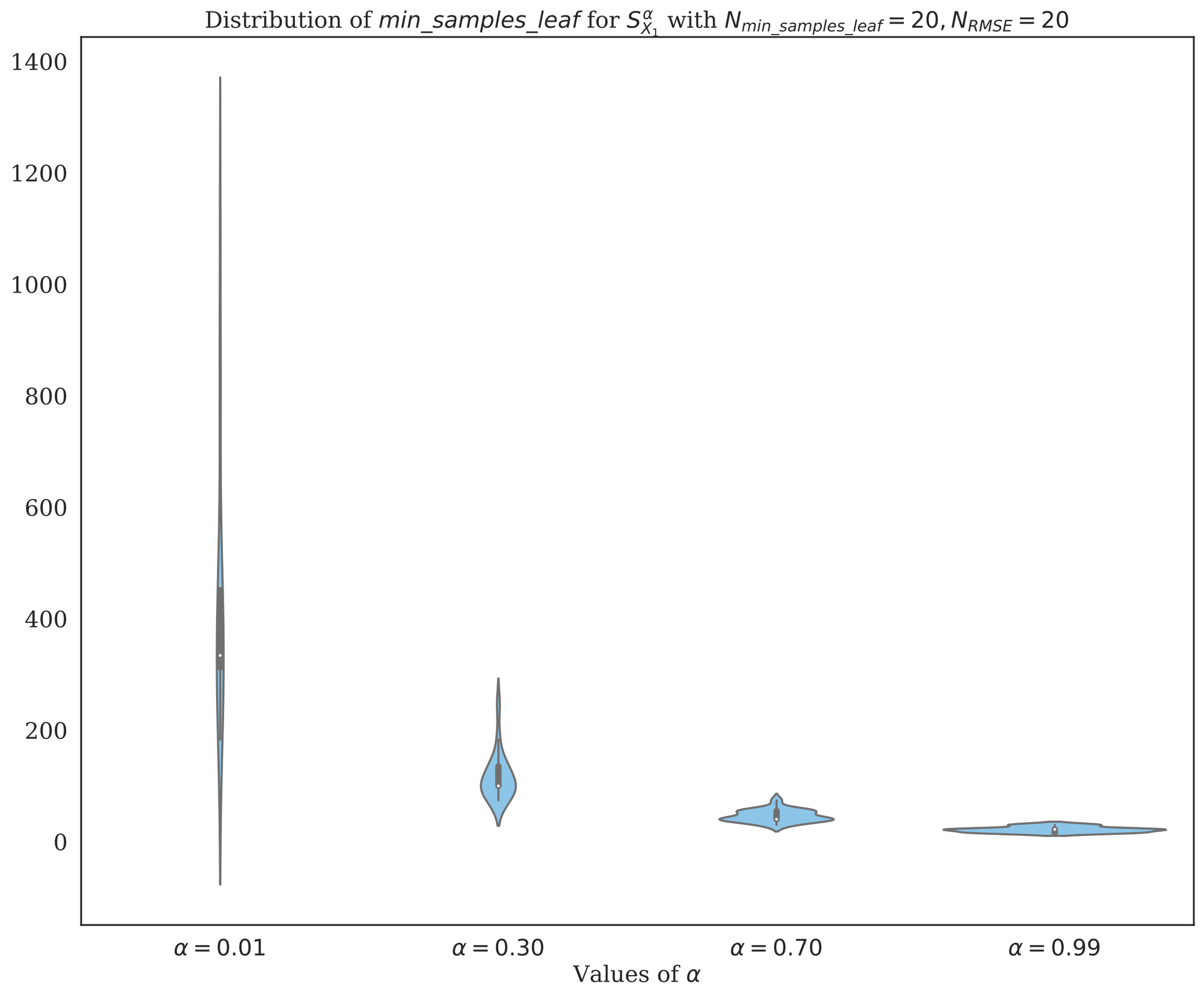

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Classical)
Mean
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

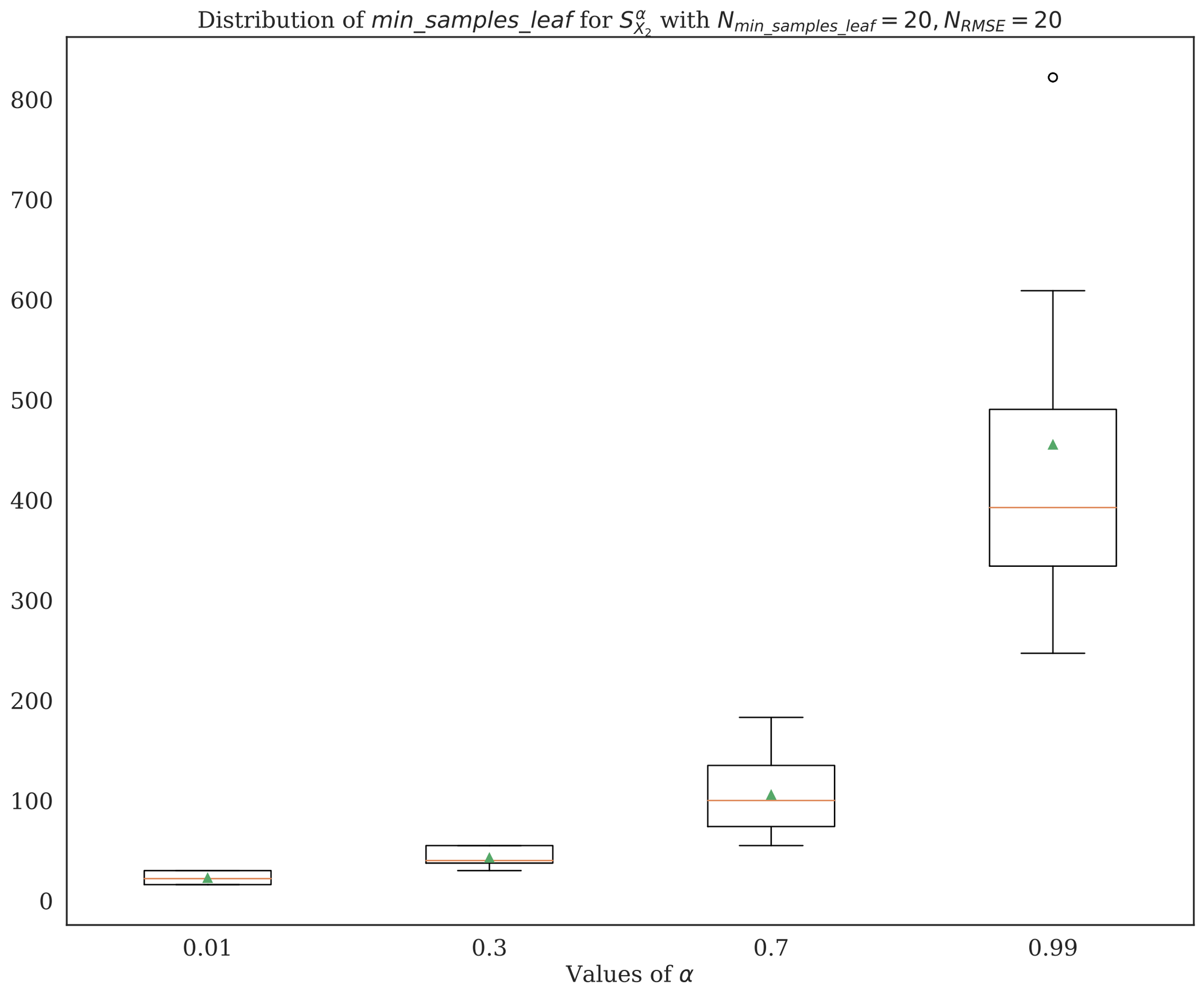

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Weighted)
Mean
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$

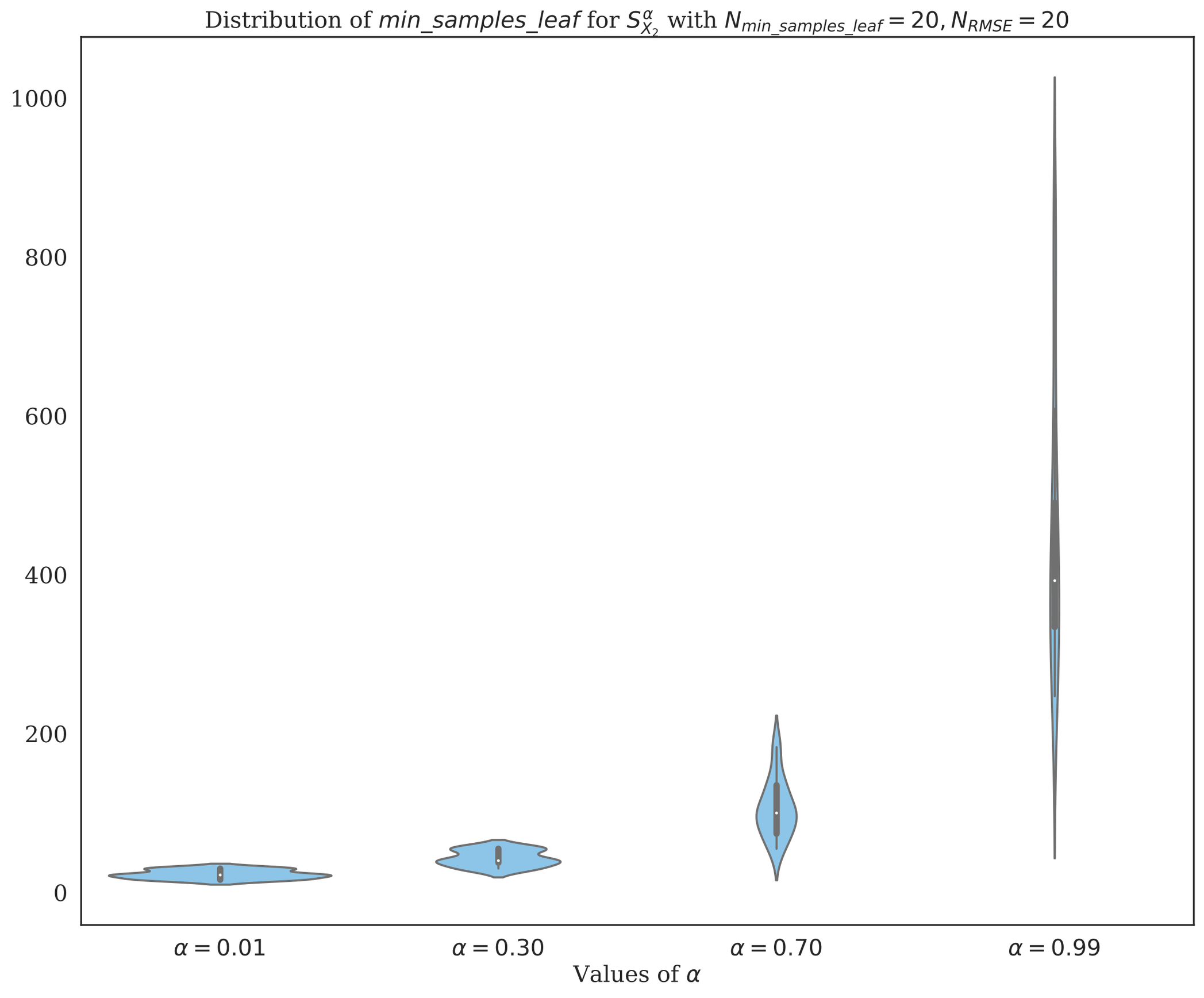

$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Classical)
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$


$S^{\alpha}_{X_2}$ with $N_{sample} = 10000, N_{tree} = 300, N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$ (Weighted)
True value
1.0
0.8
0.6
0.4
0.2
0.0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$


Distribution of min_samples_leaf for $S_{X_1}^{\alpha}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
1000
800
600
400
200
0
0.01
0.3
0.7
0.99
Values of $\alpha$


Distribution of min_samples_leaf for $S^{\alpha}_{X_1}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
1400
1200
1000
800
600
400
200
0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$


Distribution of min_samples_leaf for $S^{\alpha}_{X_2}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
800
700
600
500
400
300
200
100
0
0.01
0.3
0.7
0.99
Values of $\alpha$


Distribution of min_samples_leaf for $S^{\alpha}_{X_2}$ with $N_{min\_samples\_leaf} = 20, N_{RMSE} = 20$
1000
800
600
400
200
0
$\alpha = 0.01$
$\alpha = 0.30$
$\alpha = 0.70$
$\alpha = 0.99$
Values of $\alpha$