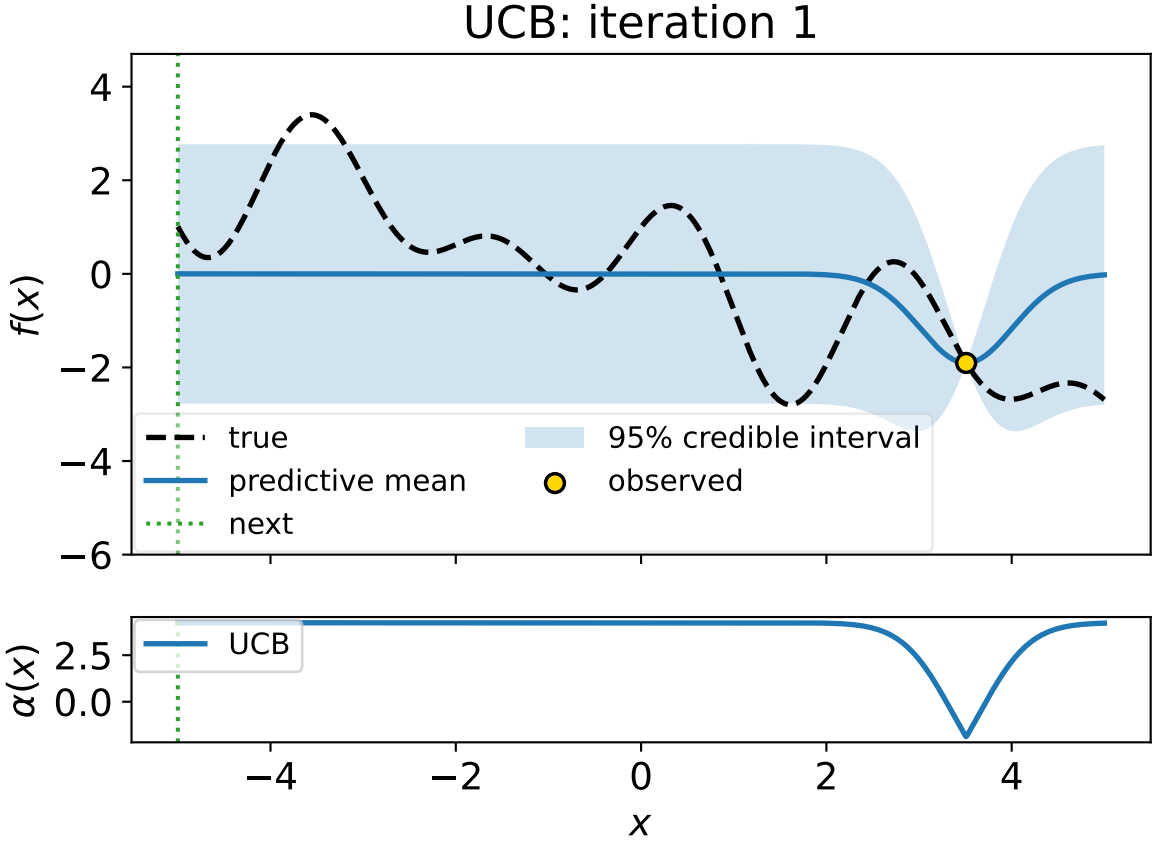
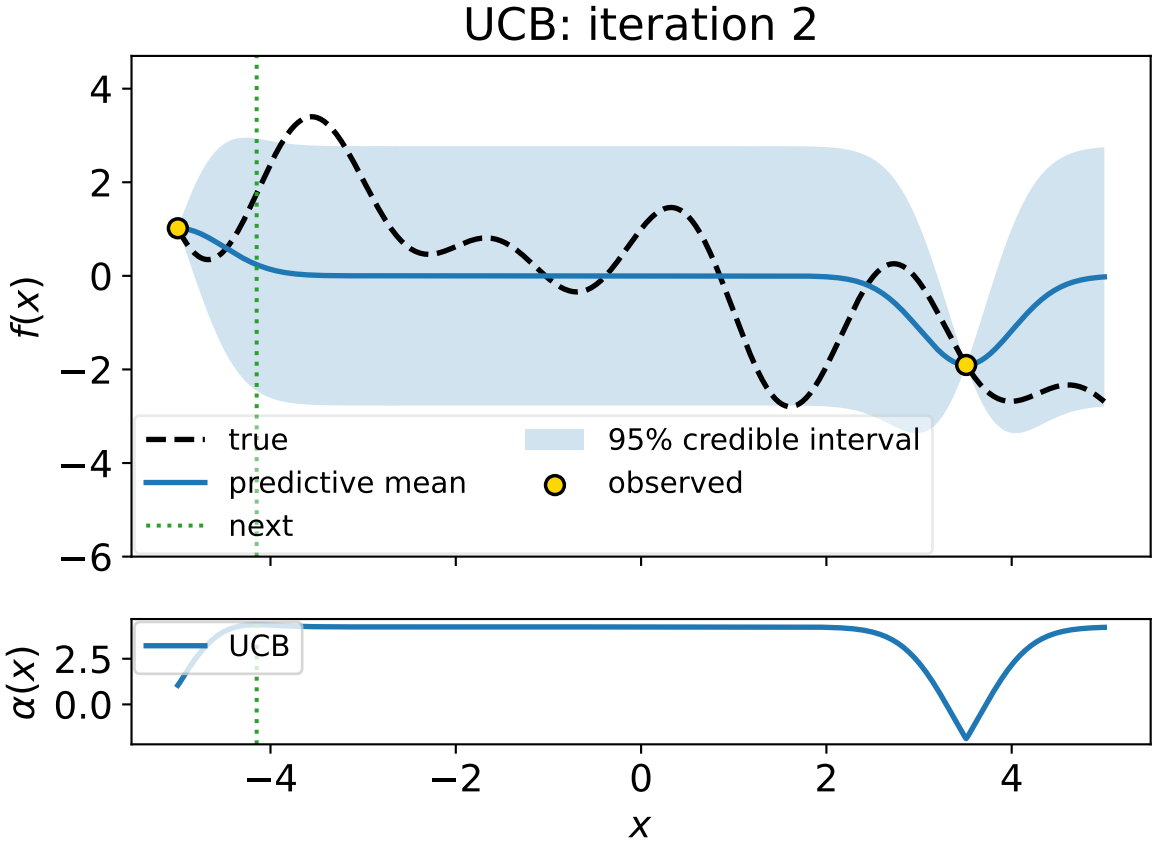
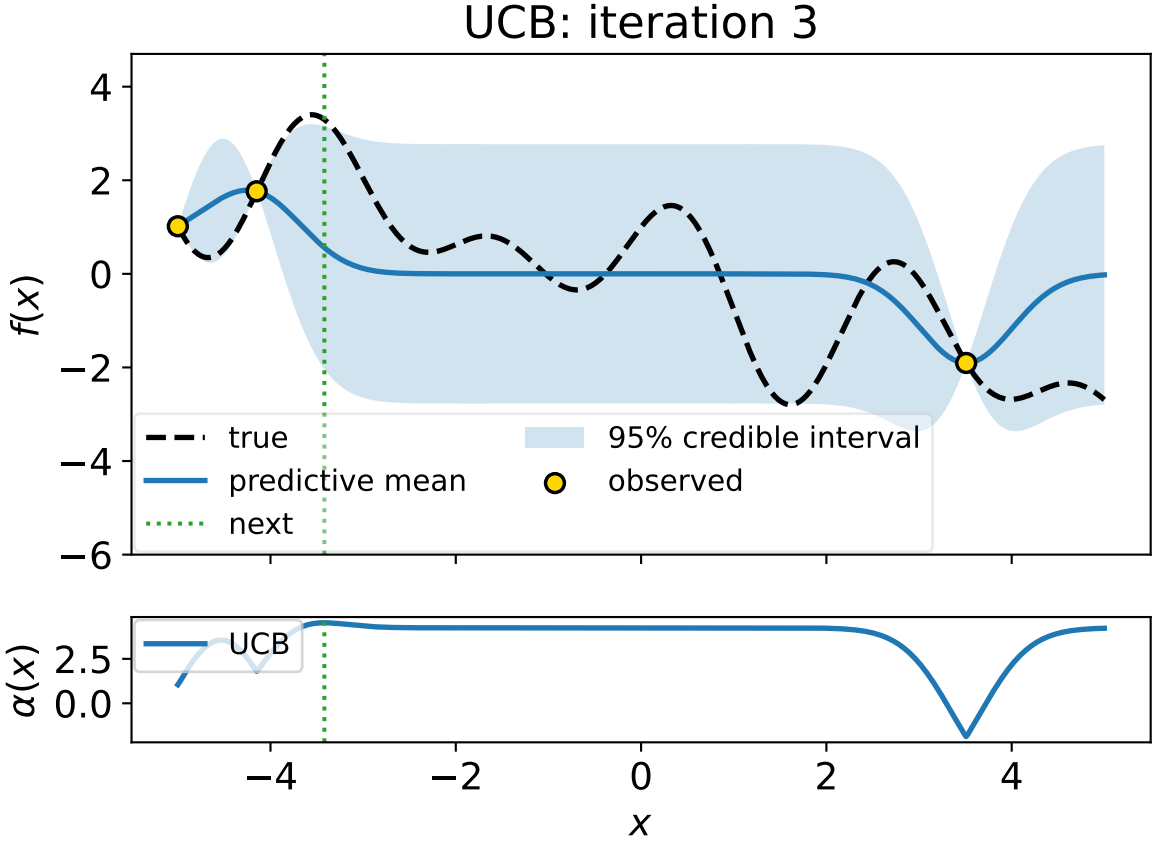
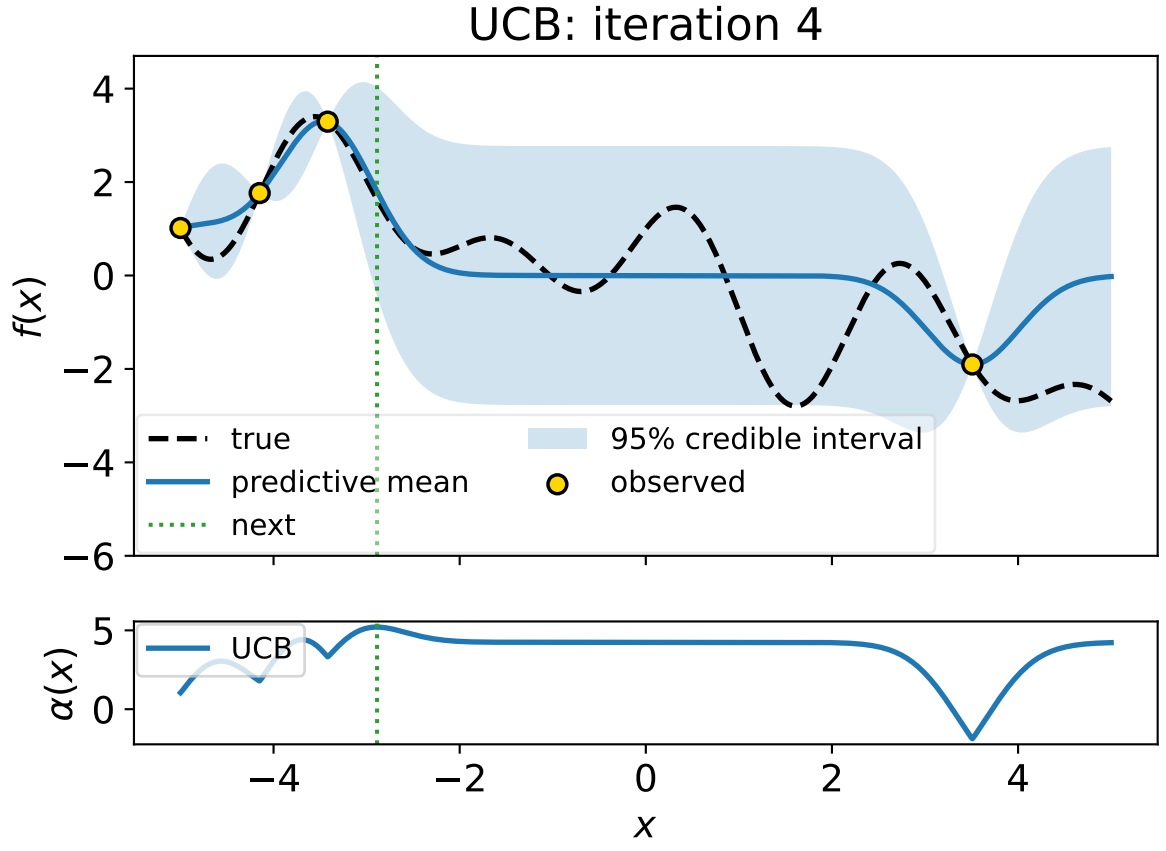
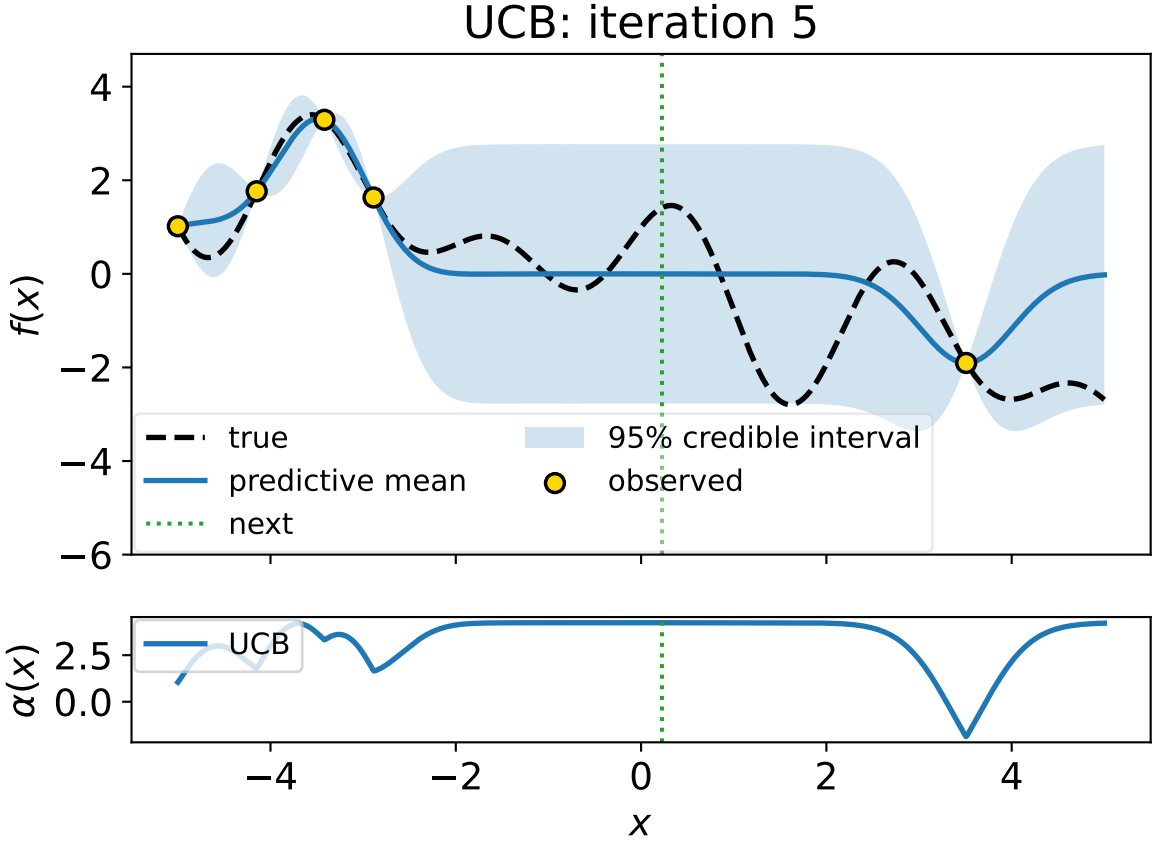
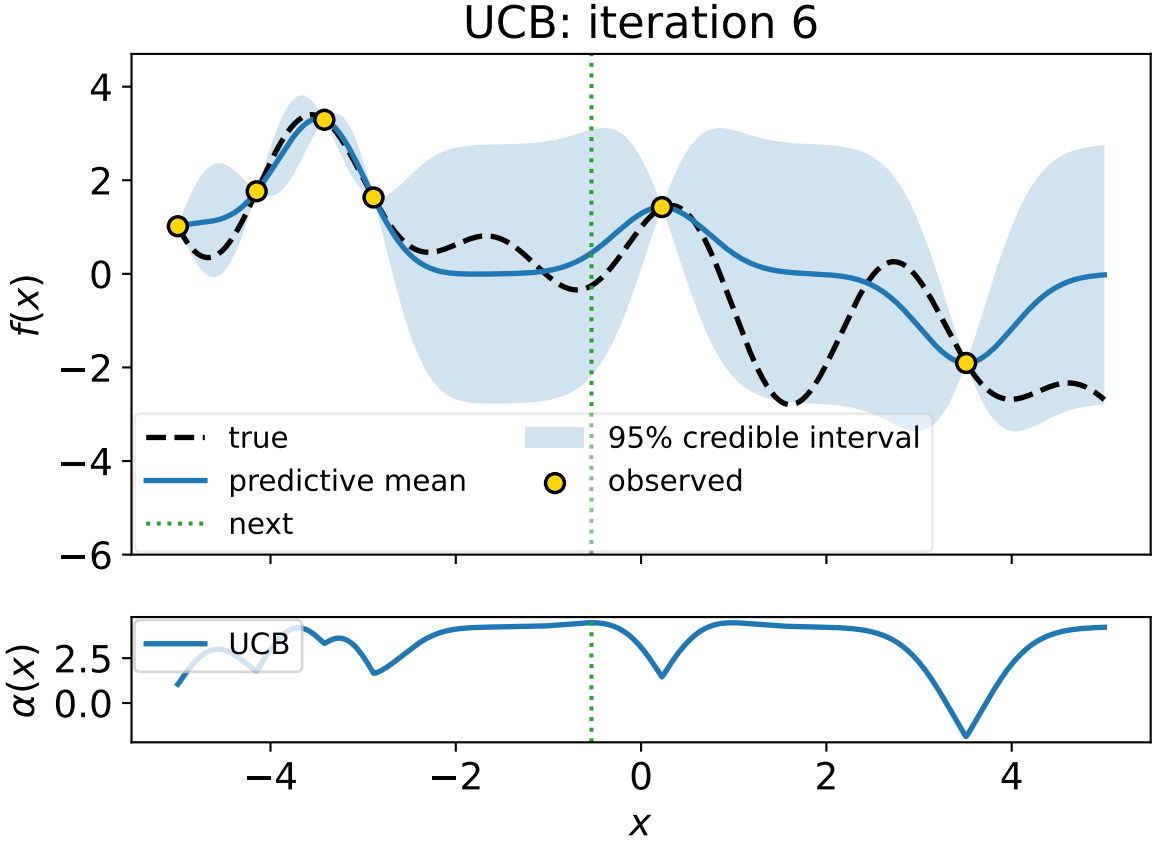

UCB: iteration 1
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−4
−2
0
2
4
x

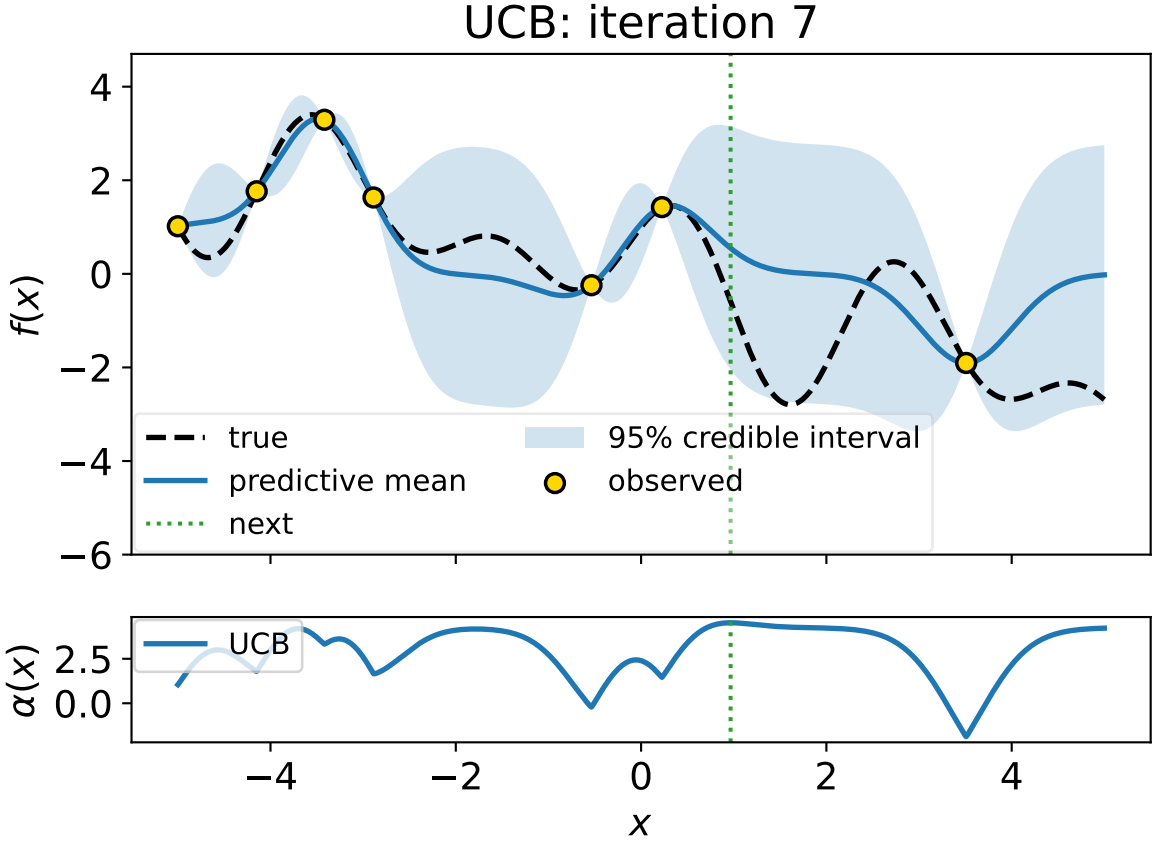

UCB: iteration 2
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−4
−2
0
2
4
x

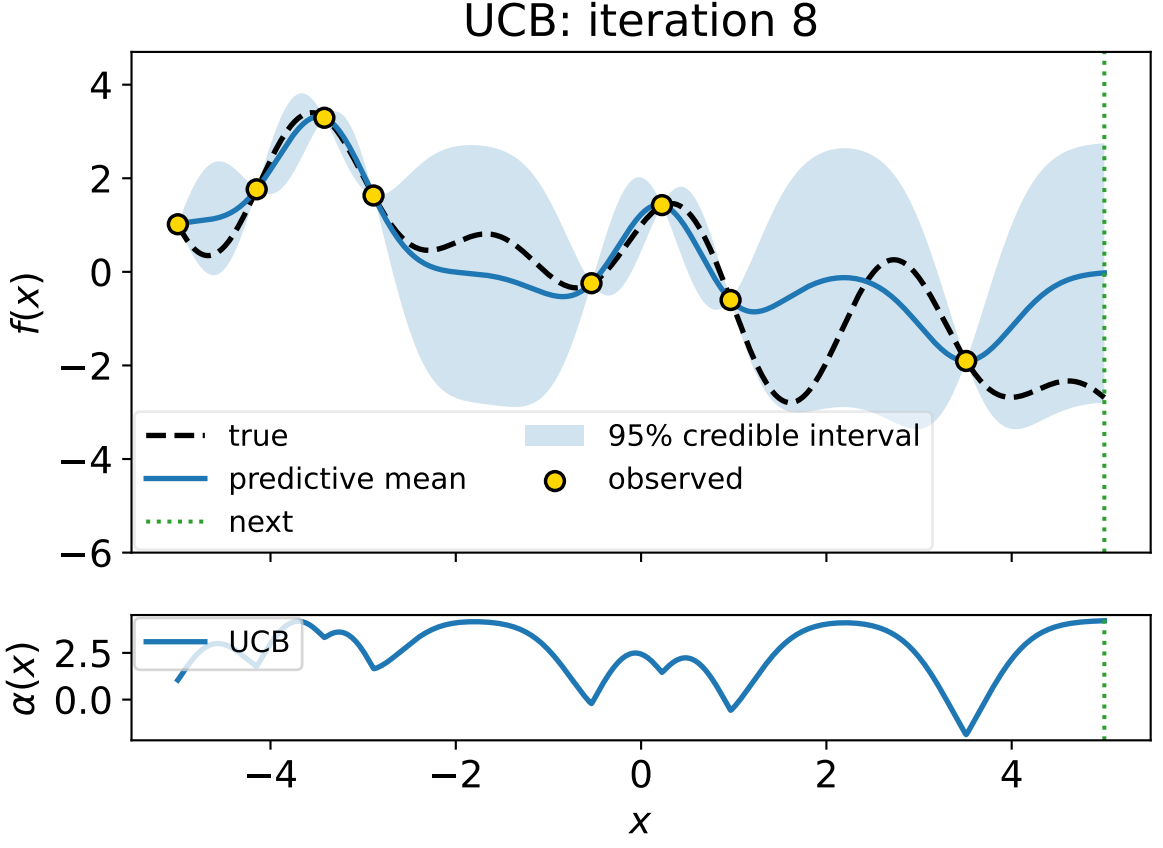

UCB: iteration 3
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−4
−2
0
2
4
x

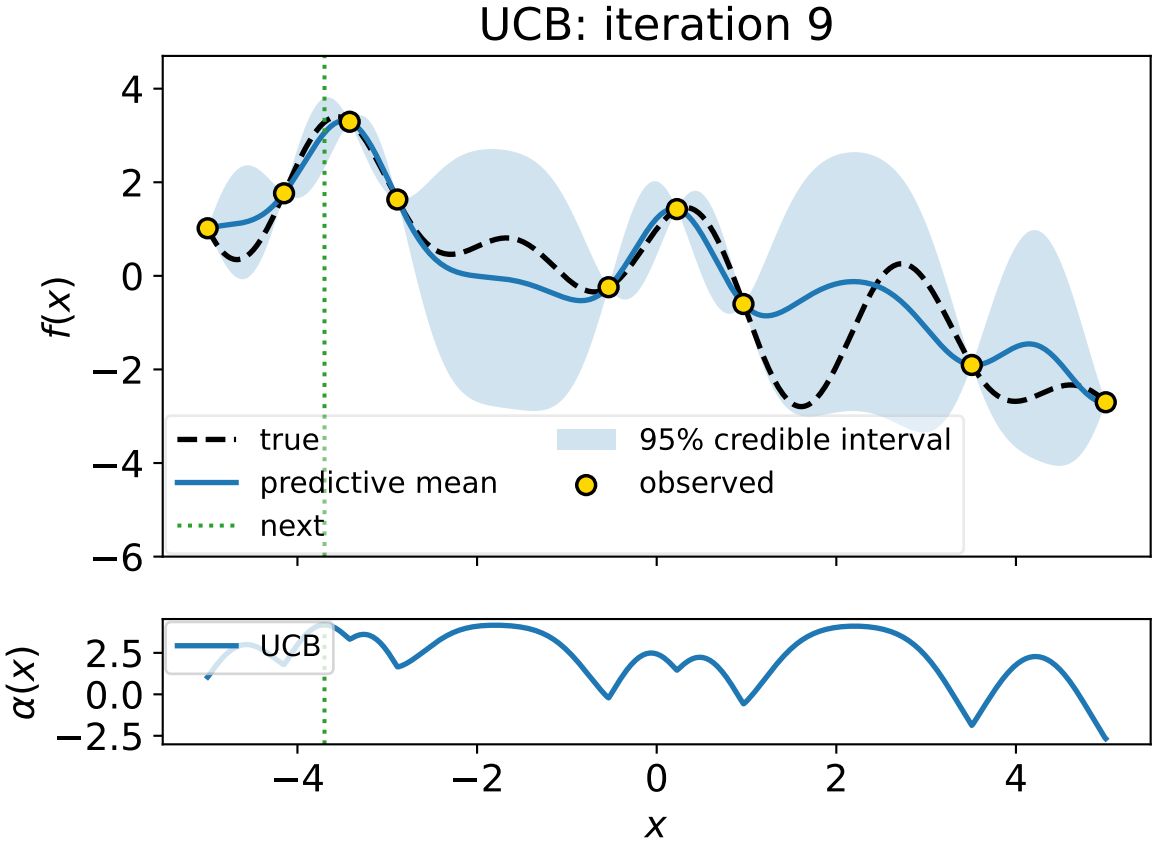

UCB: iteration 4
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
5
0
UCB
−4
−2
0
2
4
x

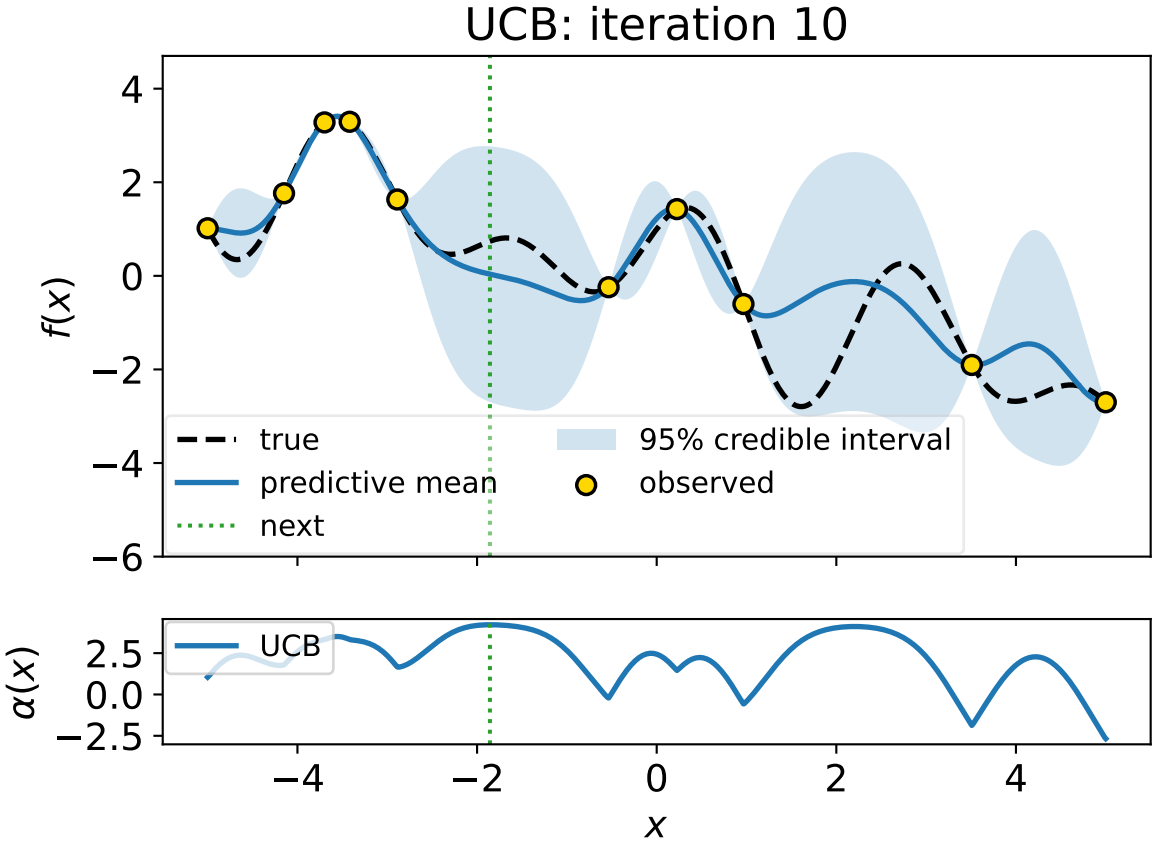

UCB: iteration 5
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−4
−2
0
2
4
x

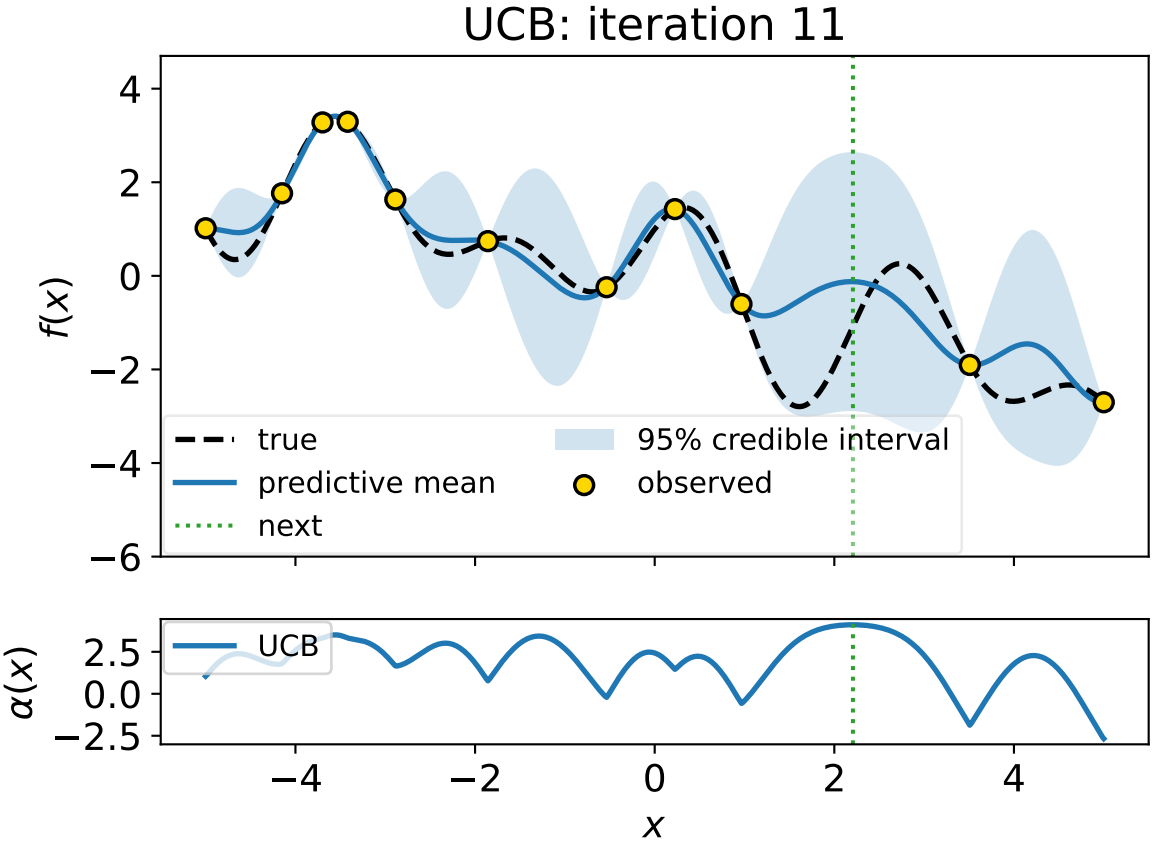

UCB: iteration 6
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−4
−2
0
2
4
x

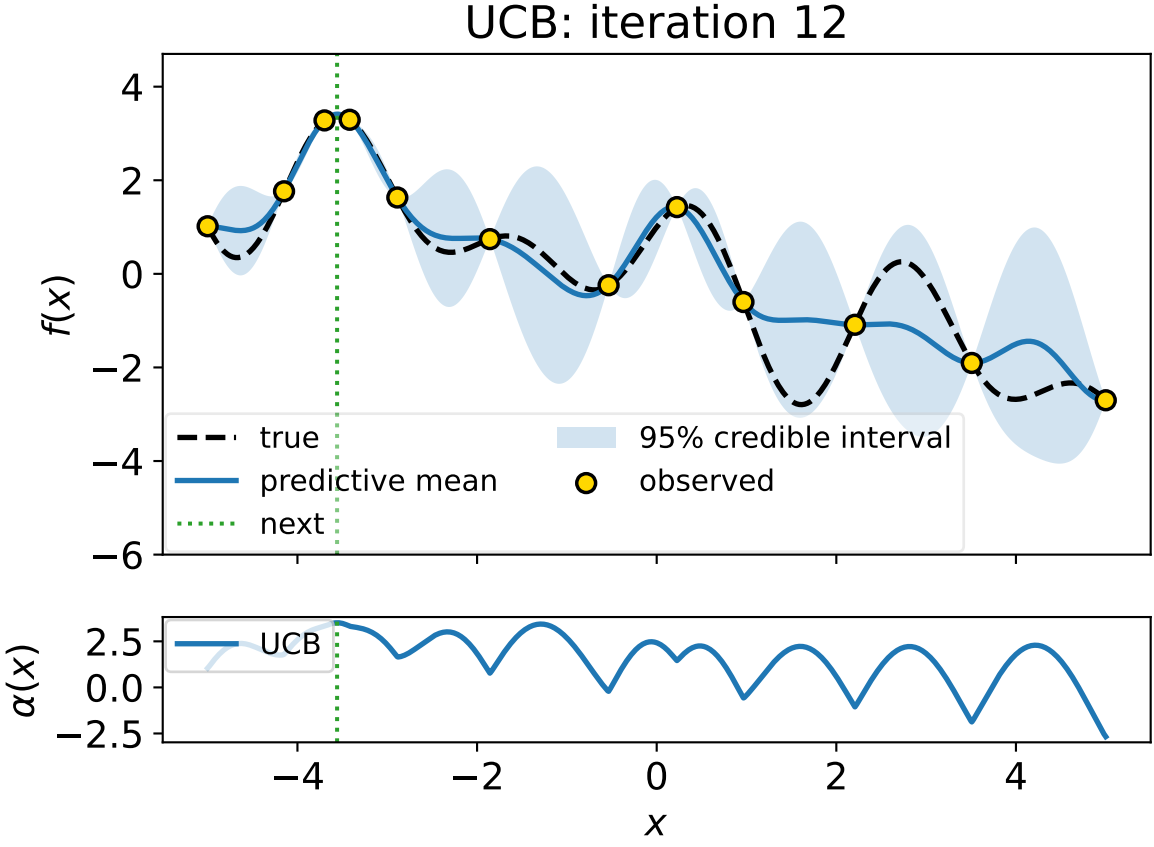

UCB: iteration 7
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−4
−2
0
2
4
x

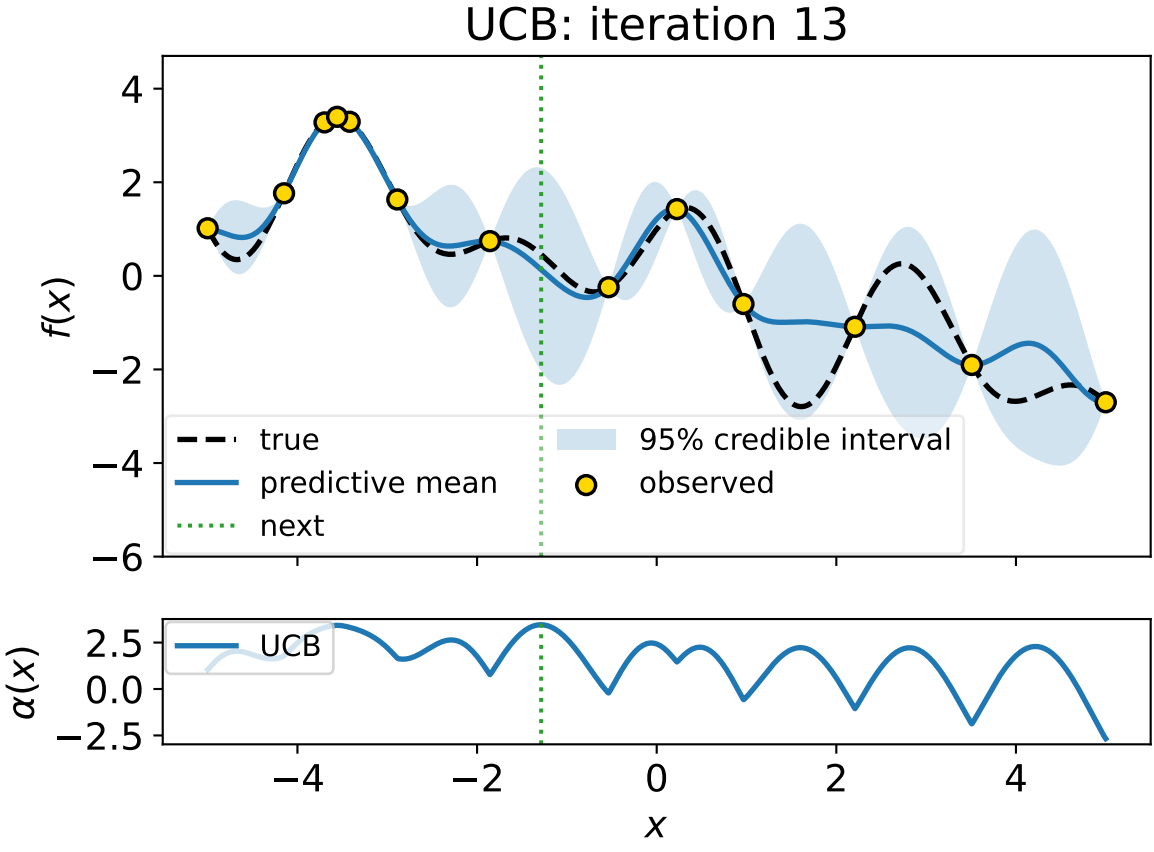

UCB: iteration 8
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−4
−2
0
2
4
x

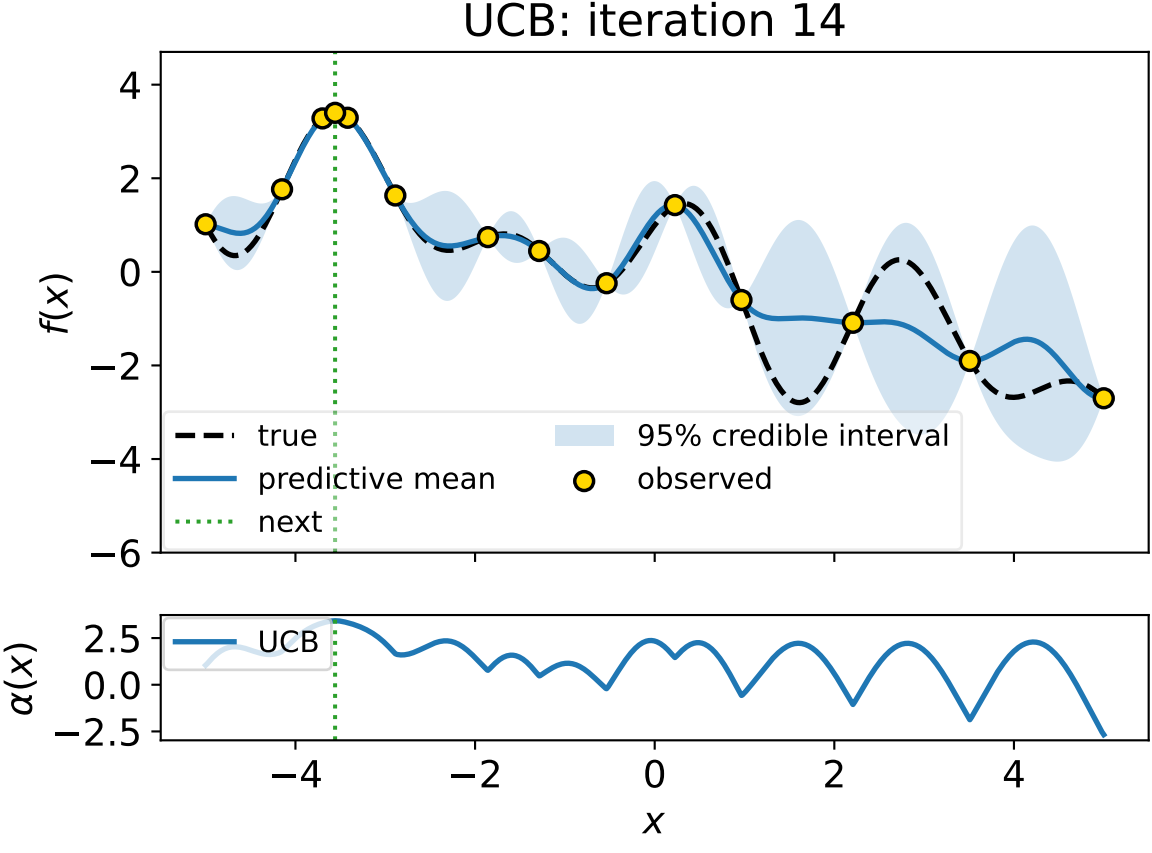

UCB: iteration 9
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−2.5
−4
−2
0
2
4
x

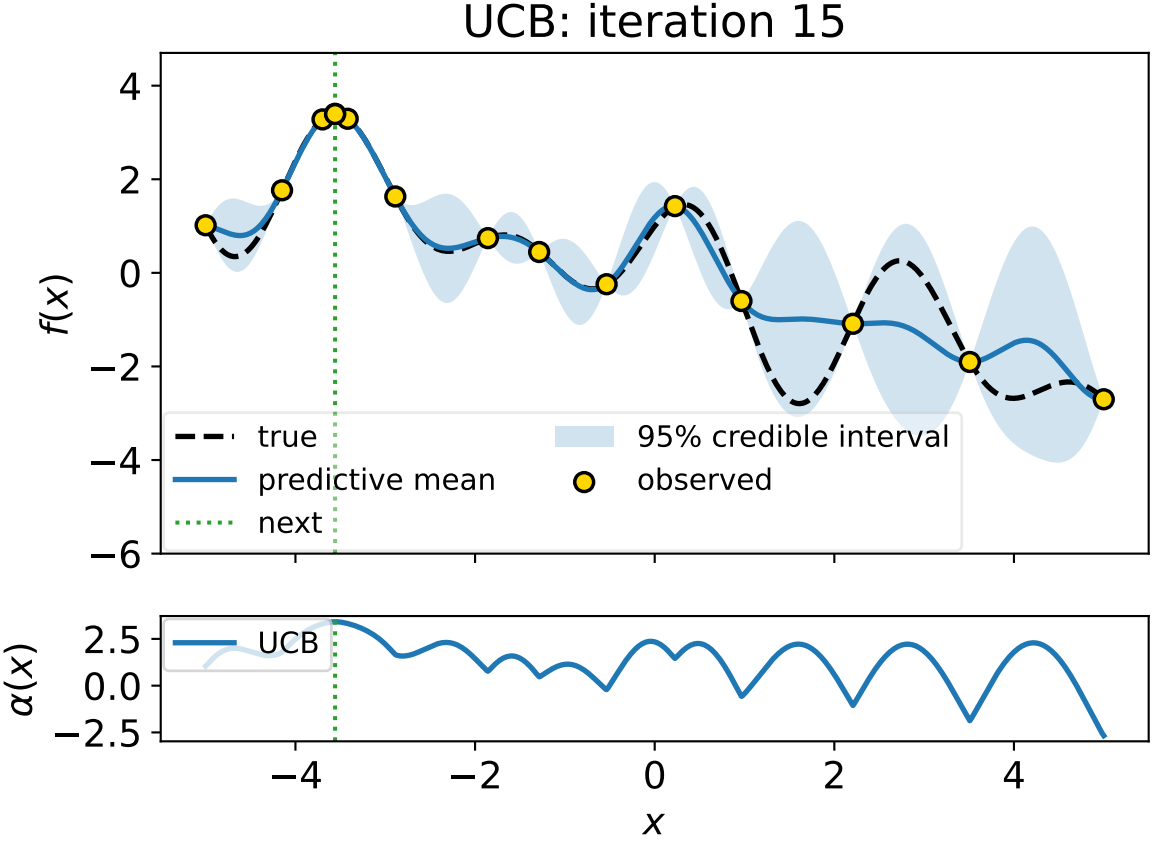

UCB: iteration 10
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−2.5
−4
−2
0
2
4
x

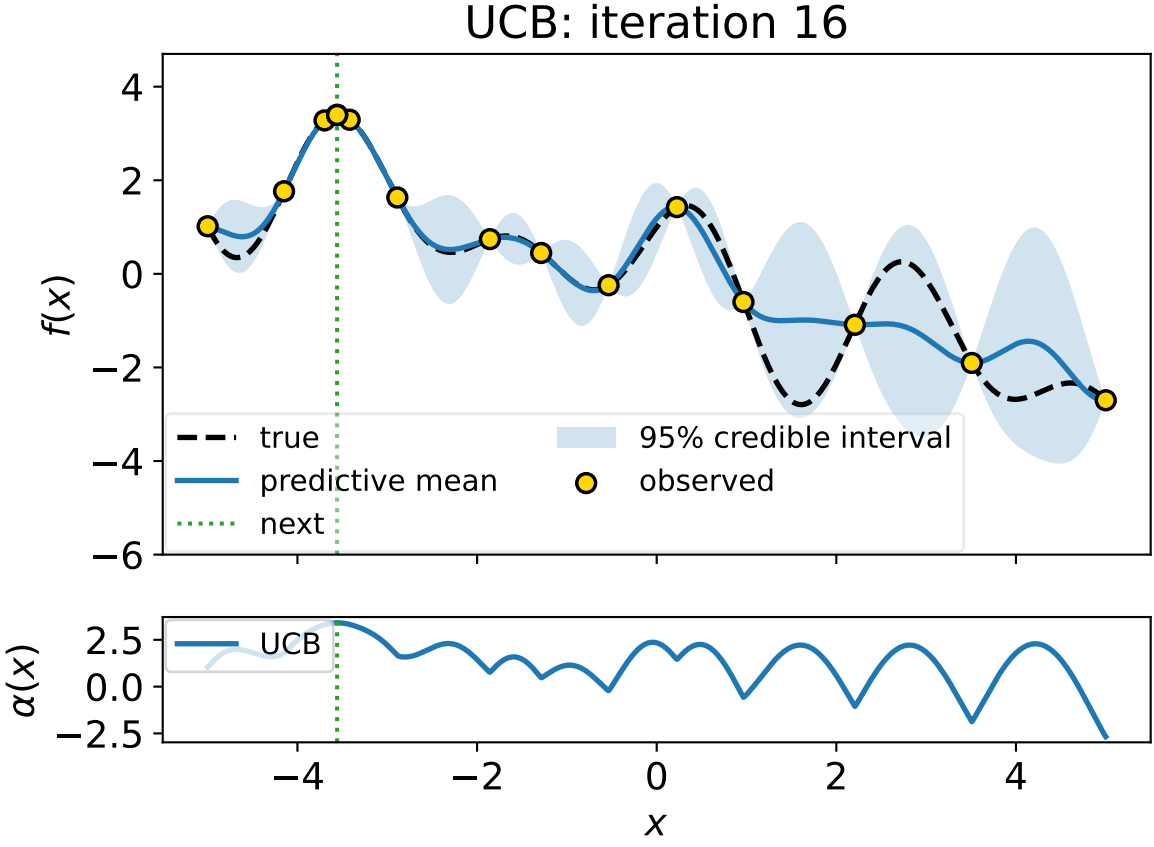

UCB: iteration 11
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
2.5
0.0
−2.5
−4
−2
0
2
4
x

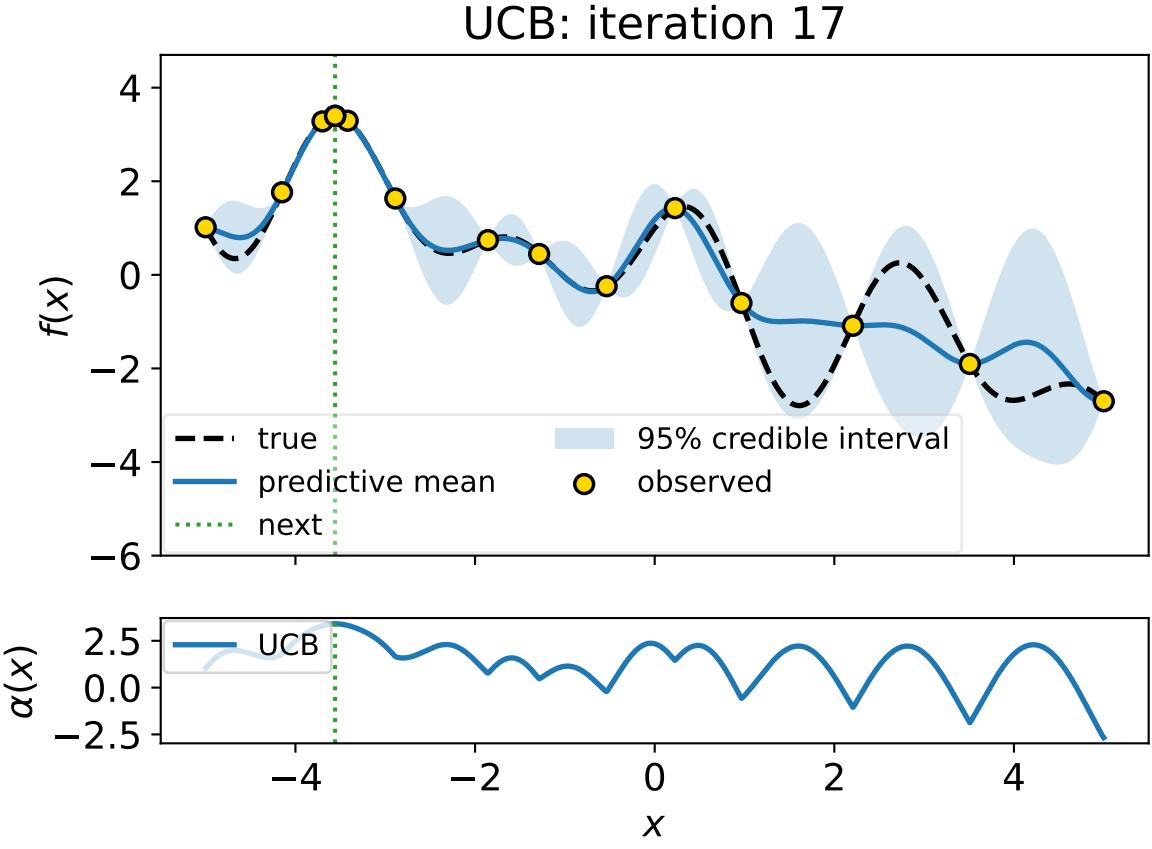

UCB: iteration 12
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

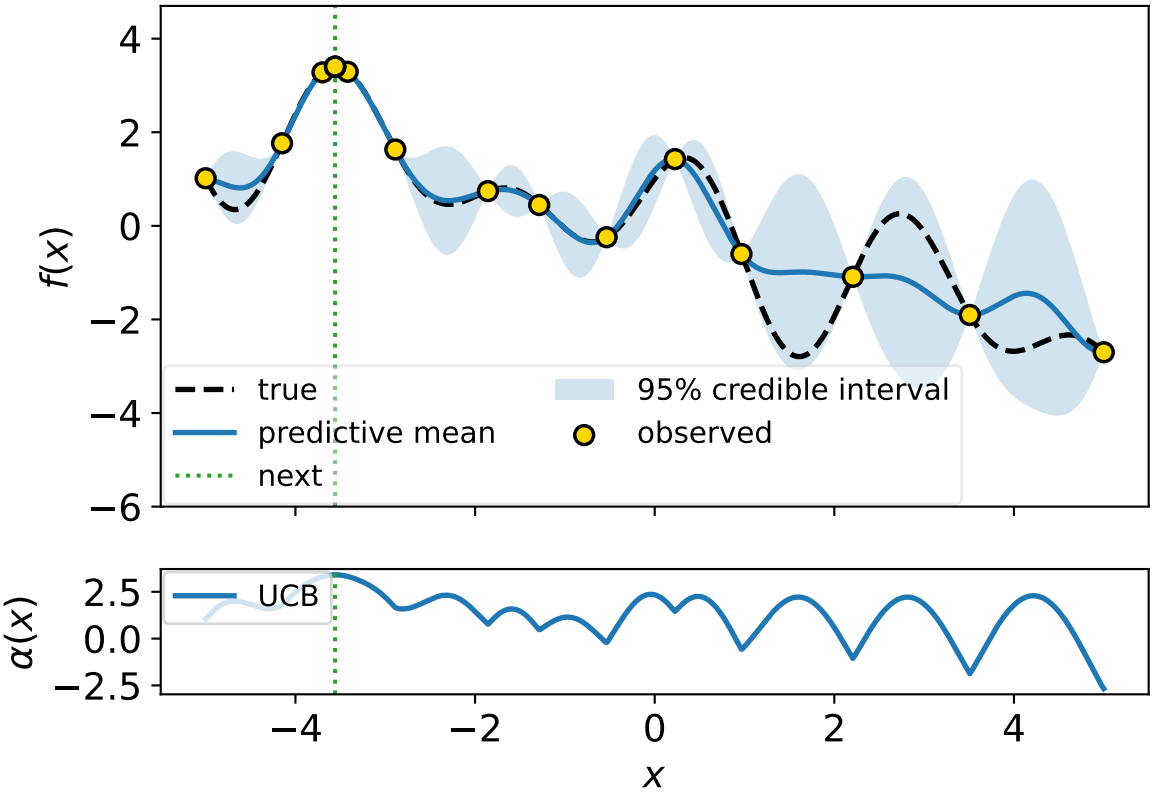

UCB: iteration 13
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

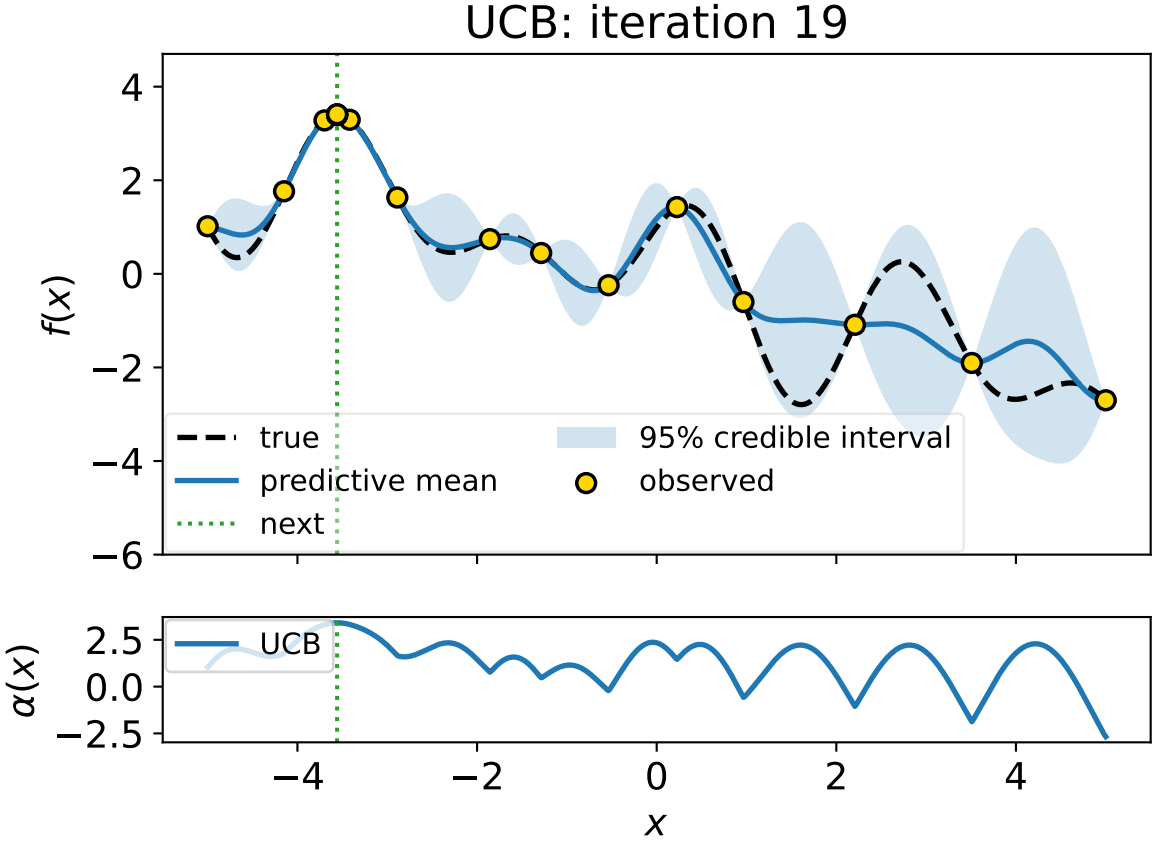

UCB: iteration 14
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

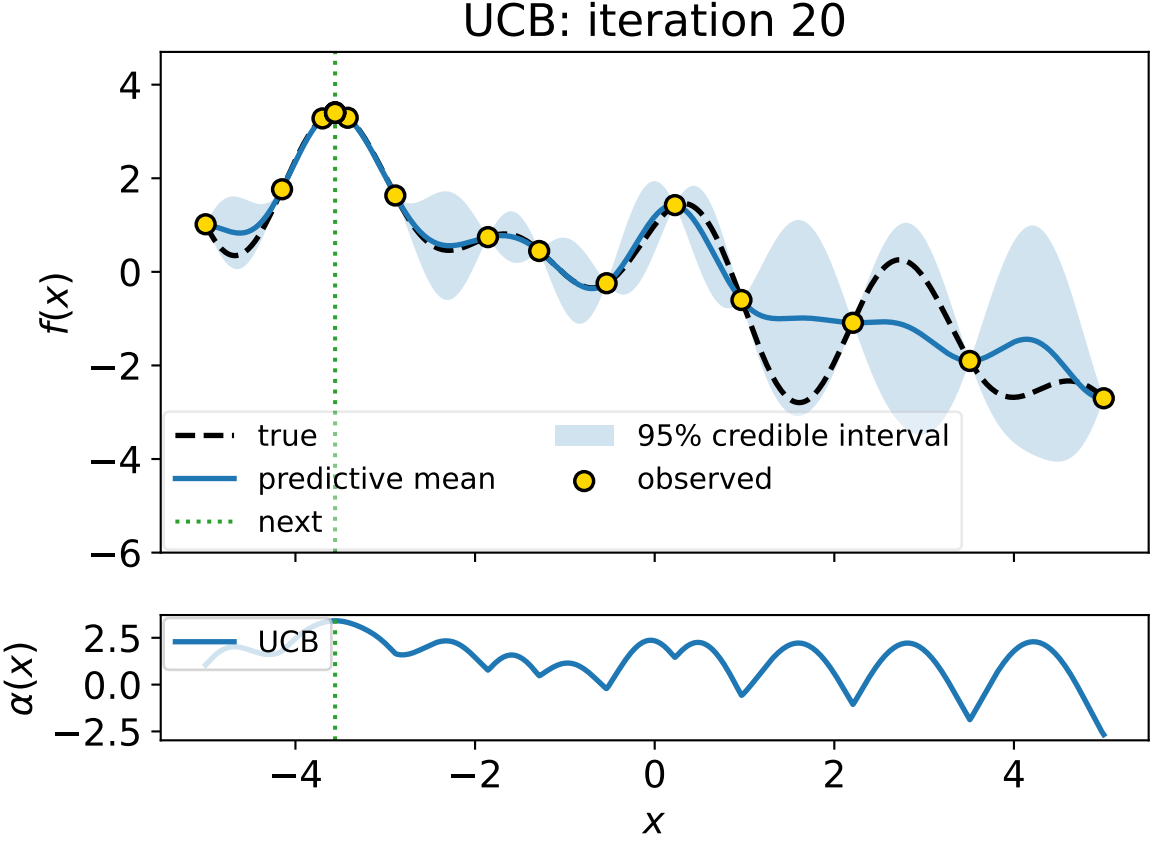

UCB: iteration 15
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

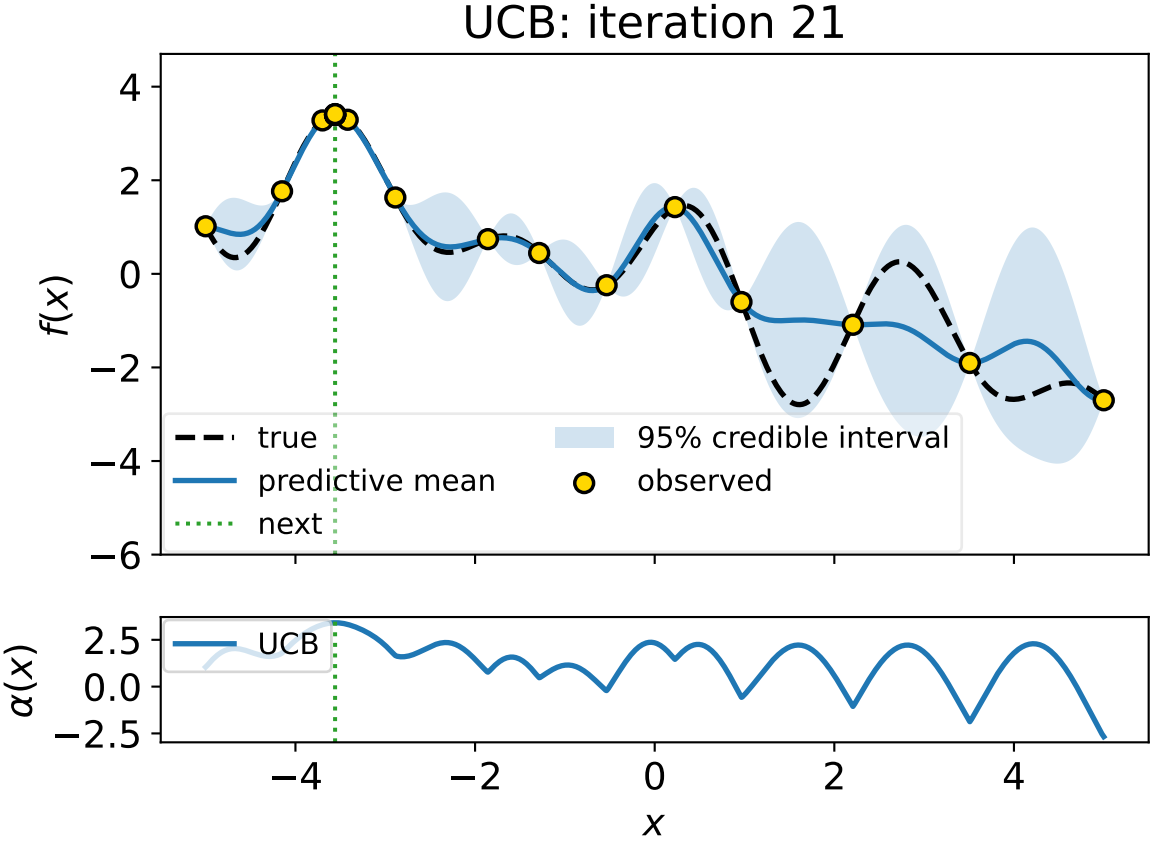

UCB: iteration 16
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

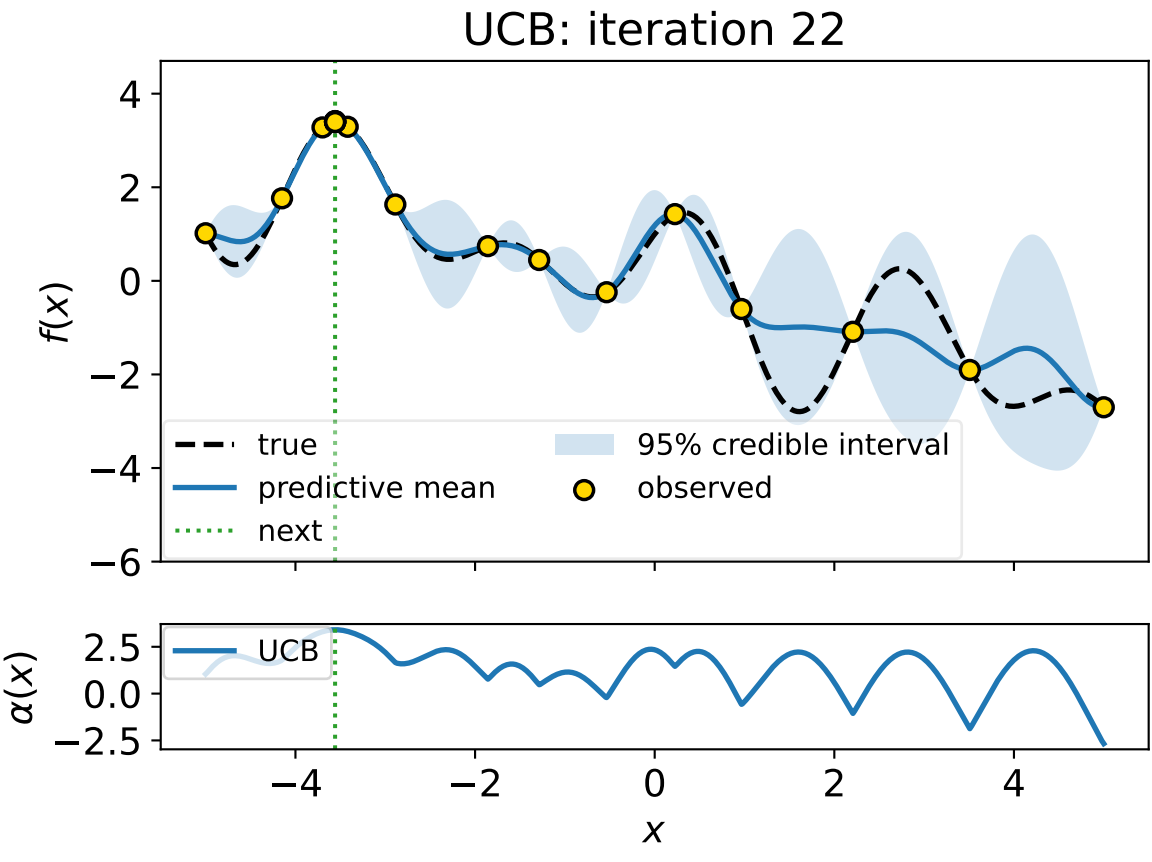

UCB: iteration 17
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

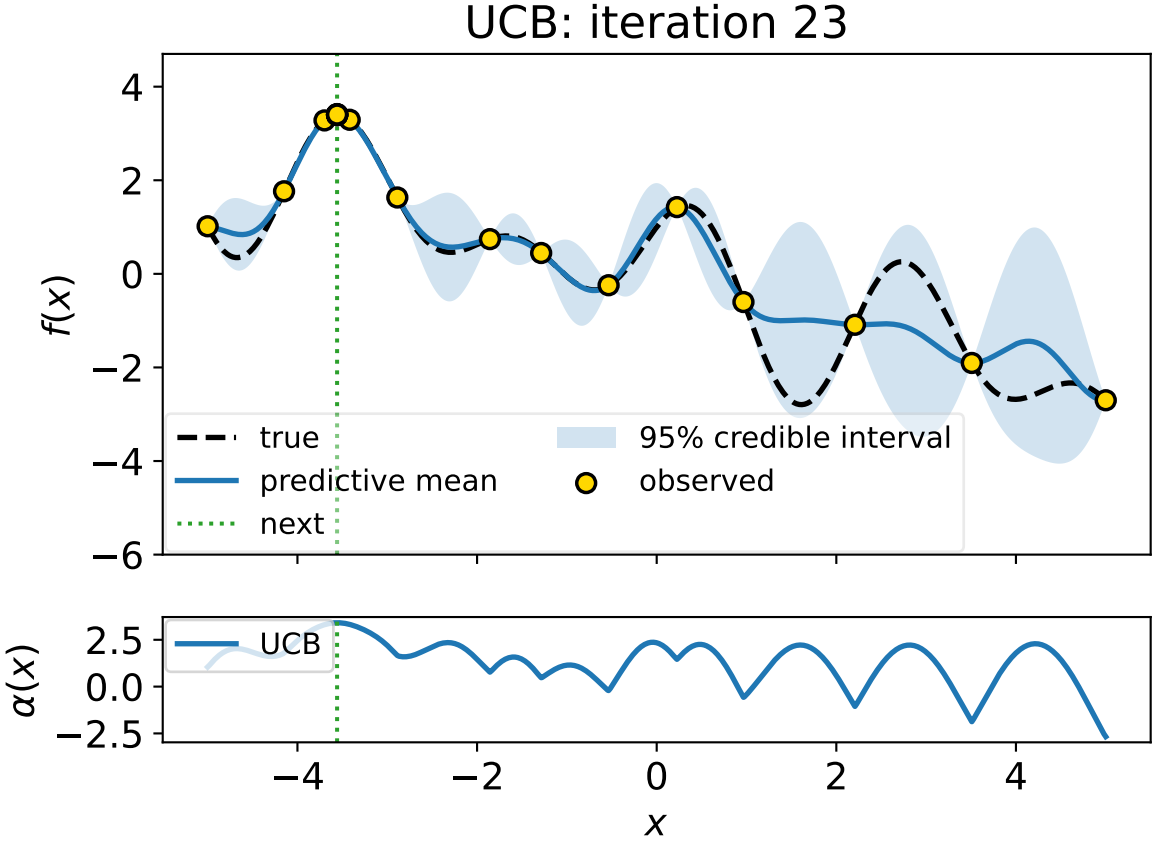

UCB: iteration 18
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

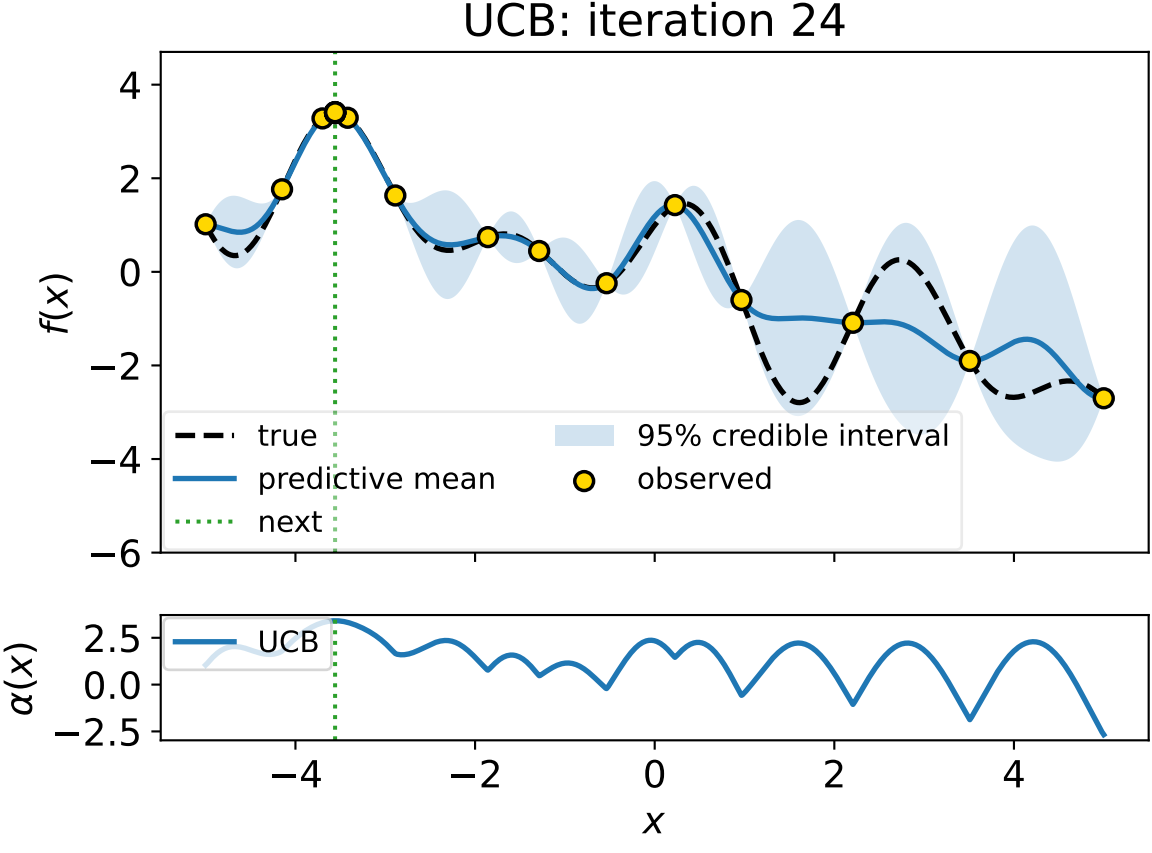

UCB: iteration 19
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

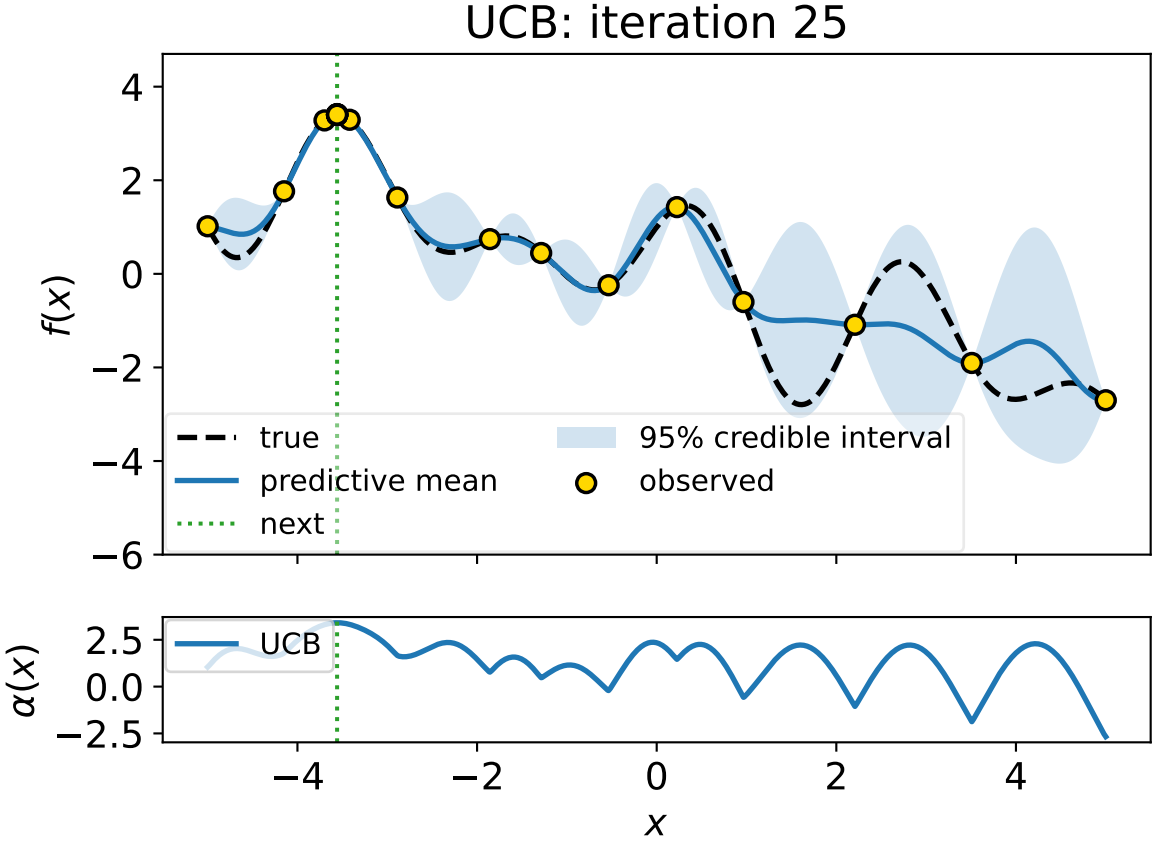

UCB: iteration 20
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

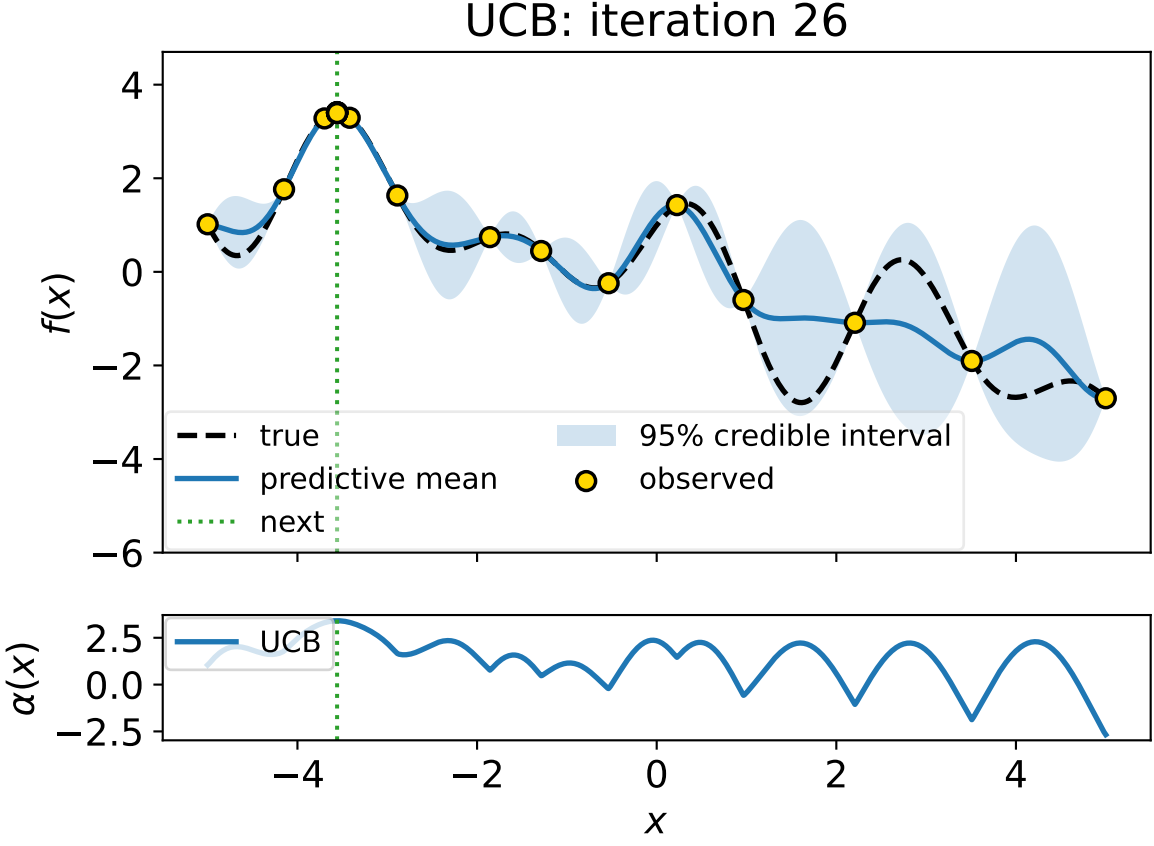

UCB: iteration 21
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

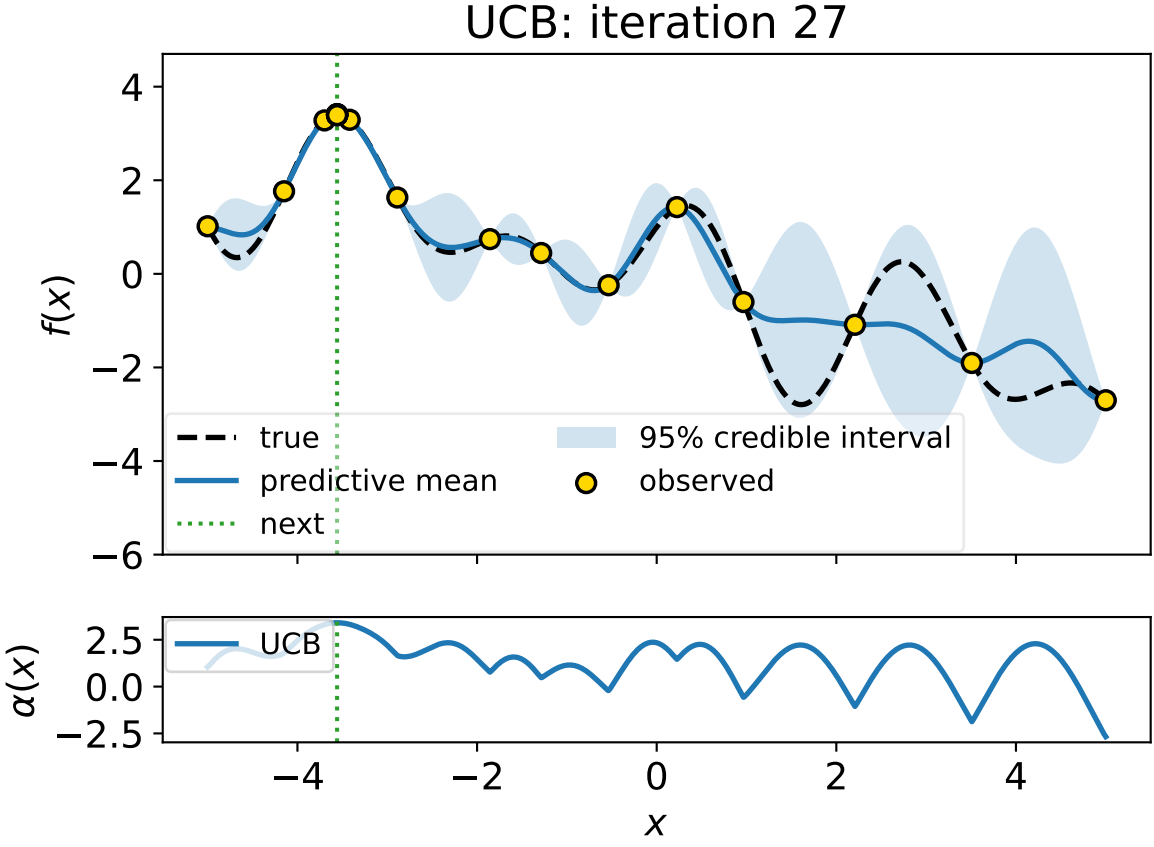

UCB: iteration 22
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

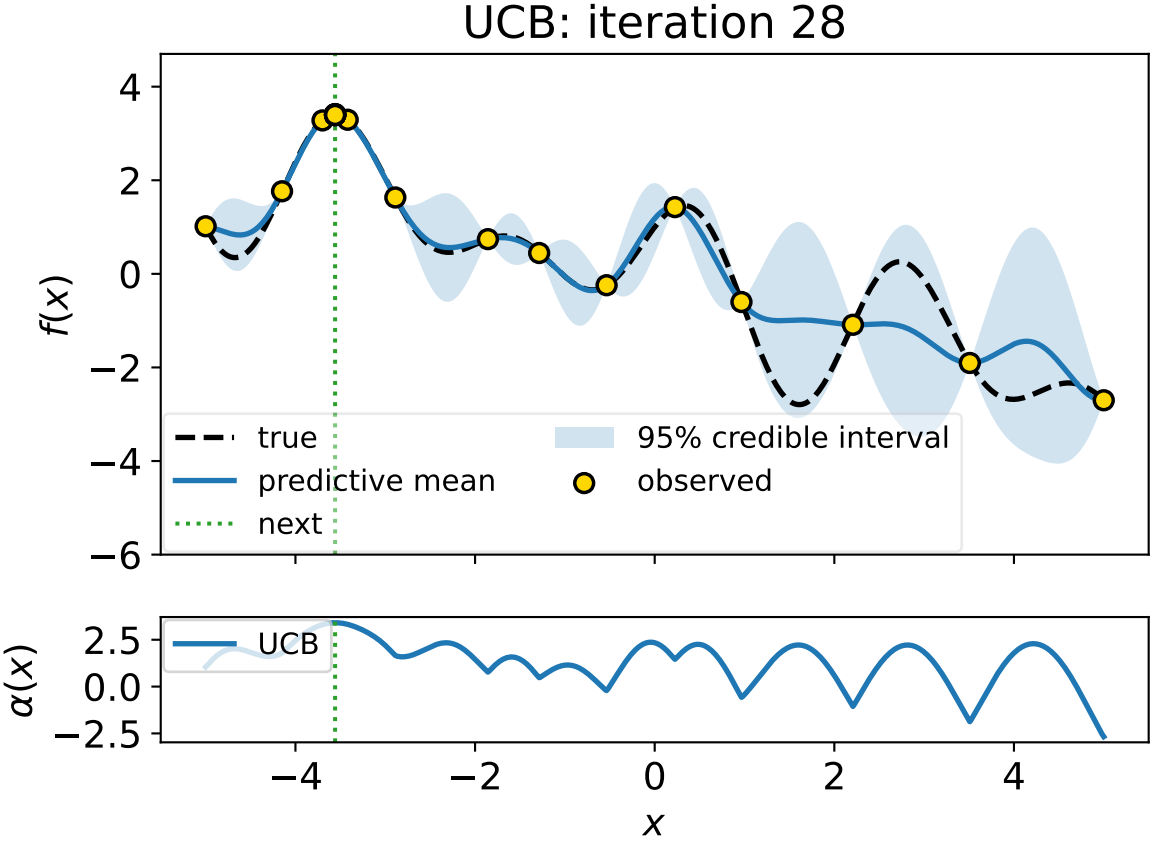

UCB: iteration 23
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

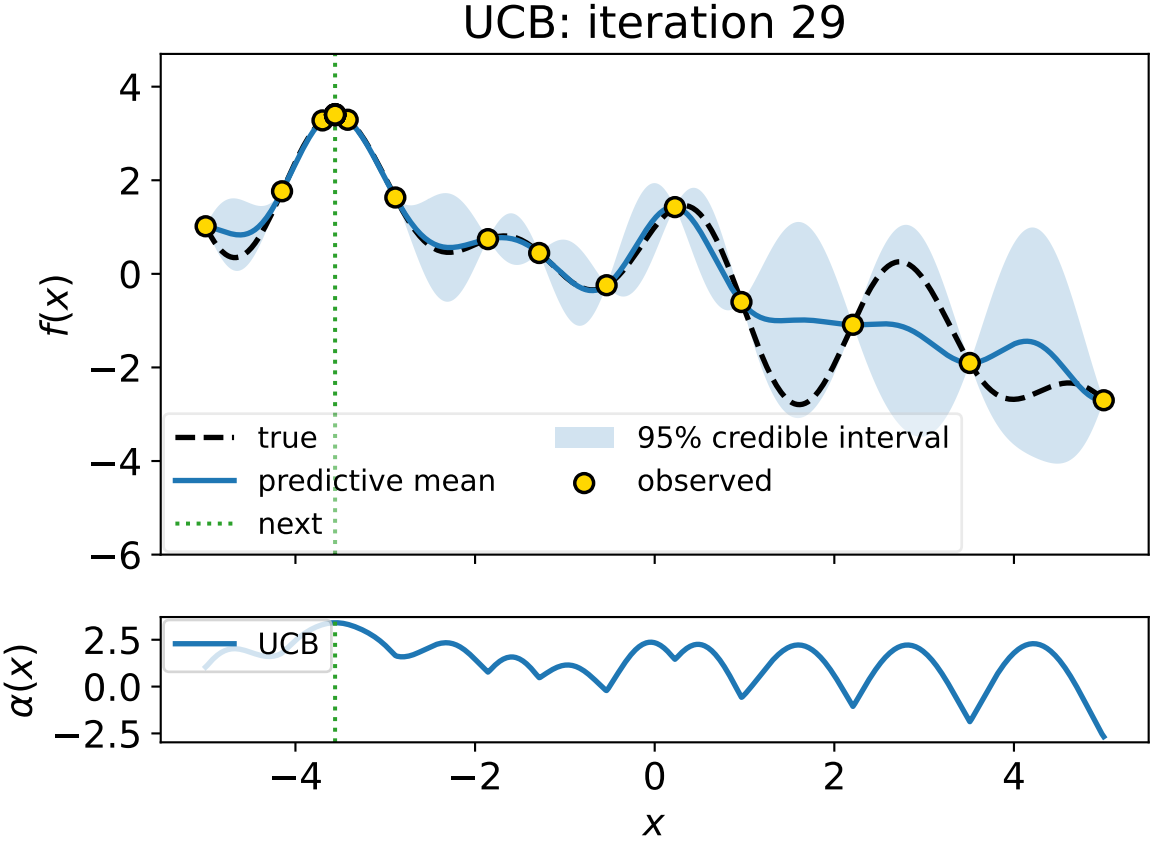

UCB: iteration 24
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

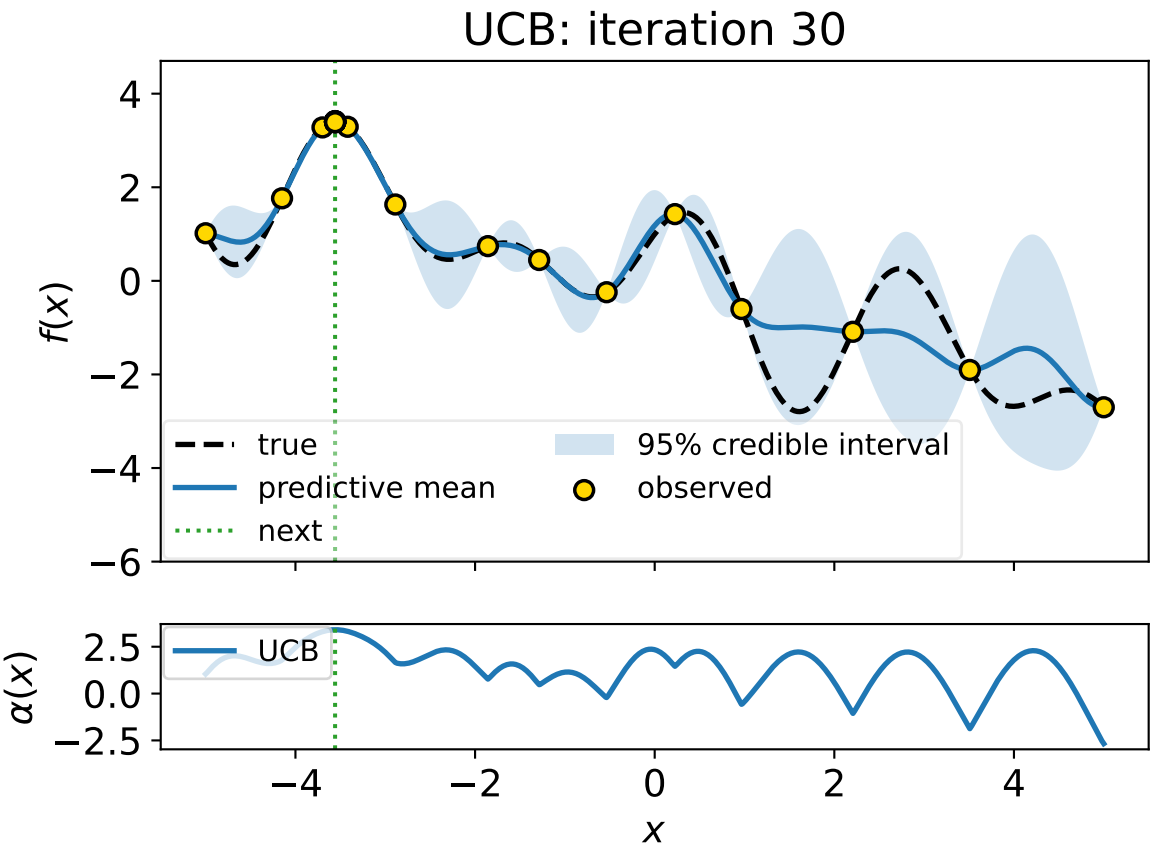

UCB: iteration 25
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

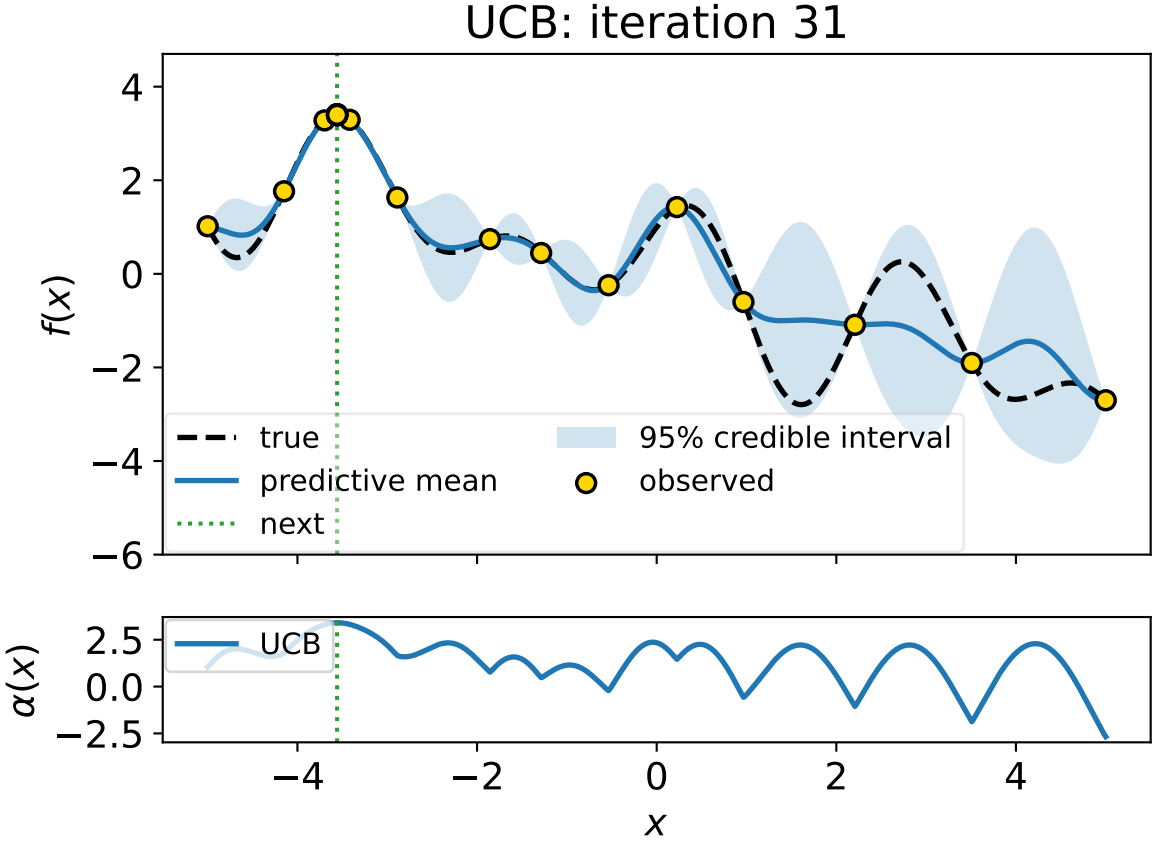

UCB: iteration 26
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

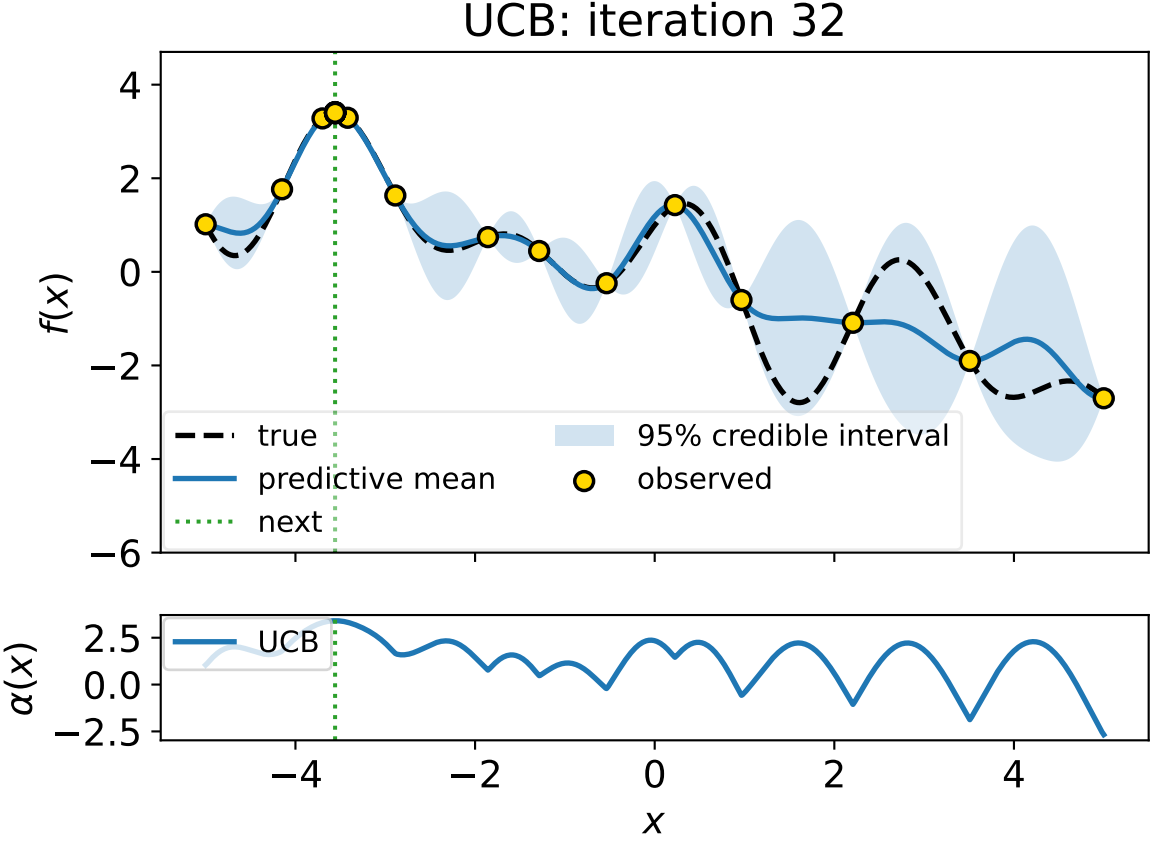

UCB: iteration 27
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

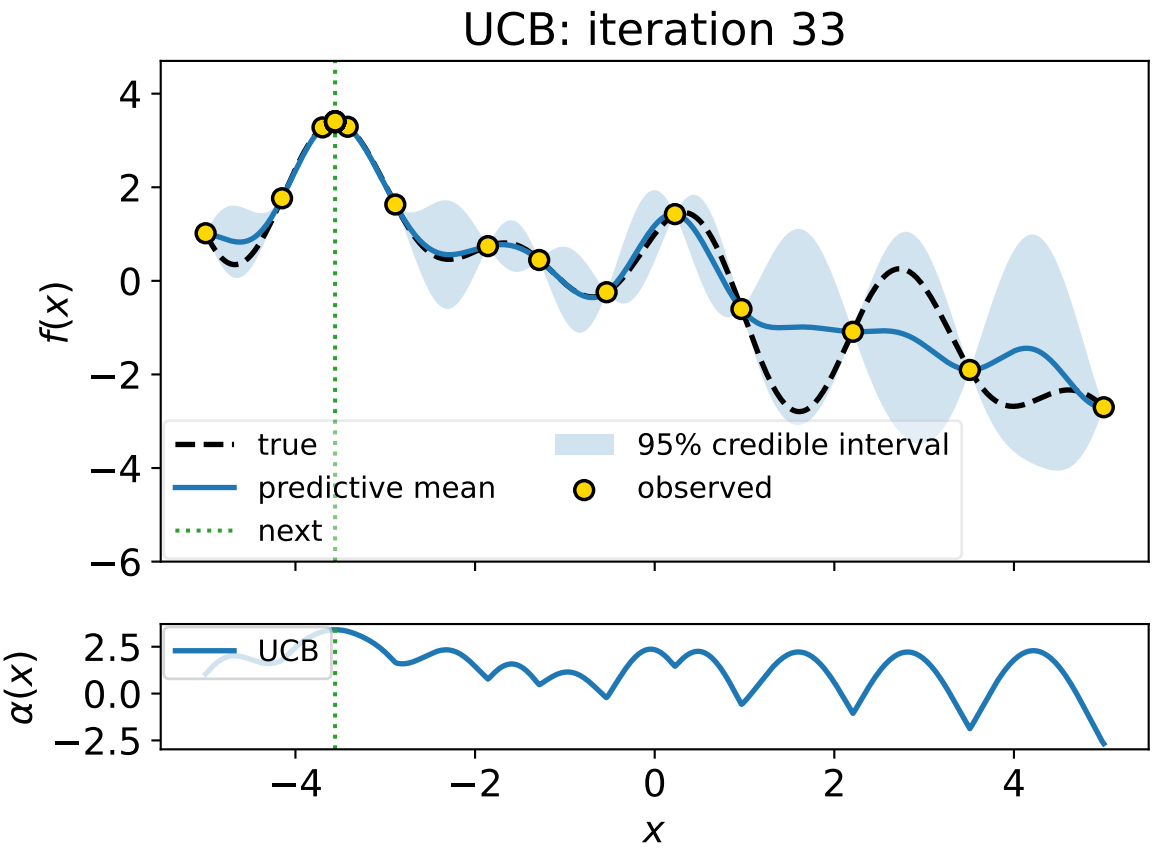

UCB: iteration 28
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

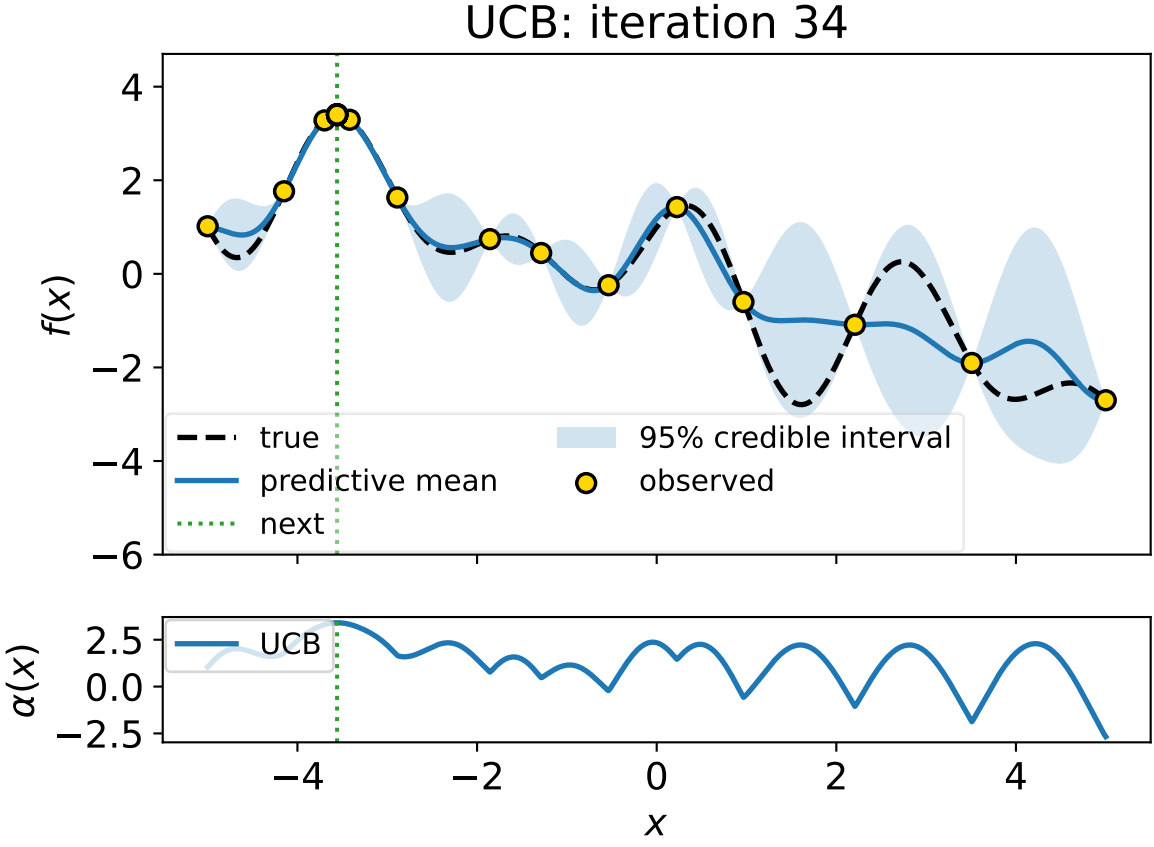

UCB: iteration 29
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

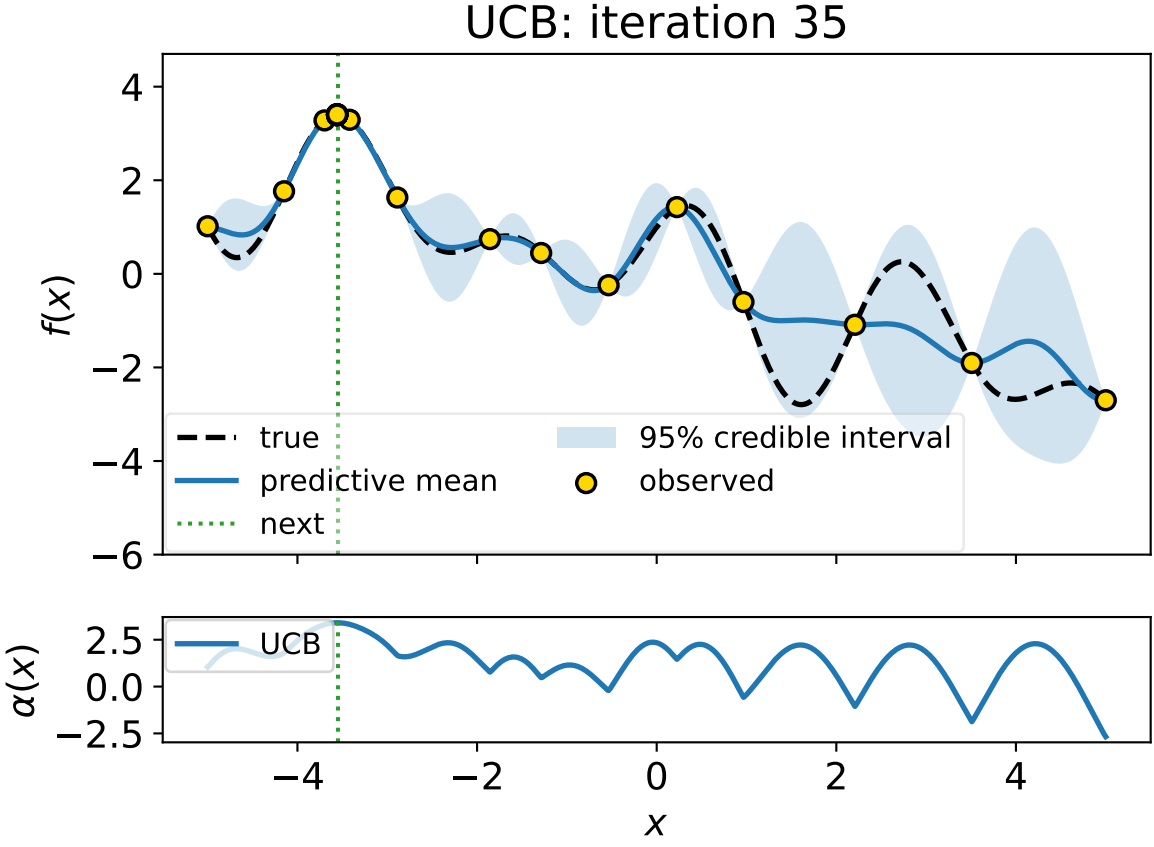

UCB: iteration 30
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

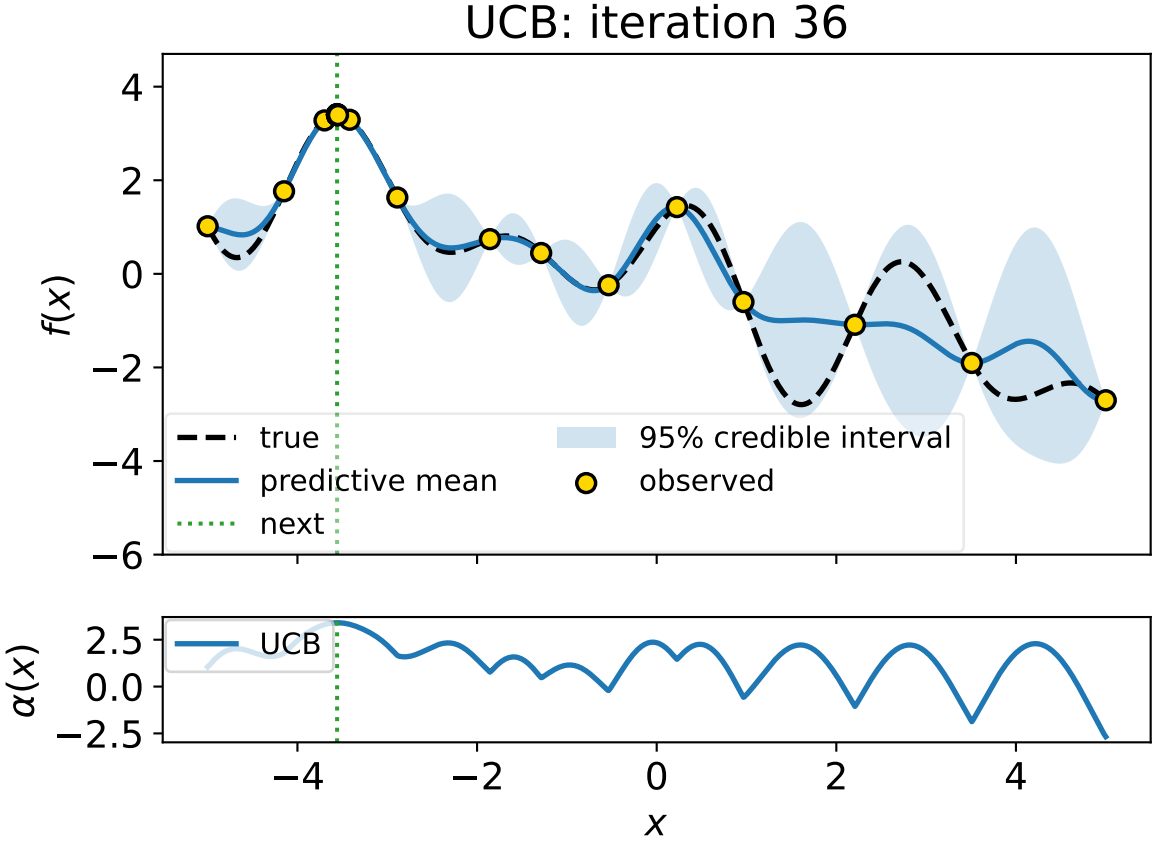

UCB: iteration 31
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

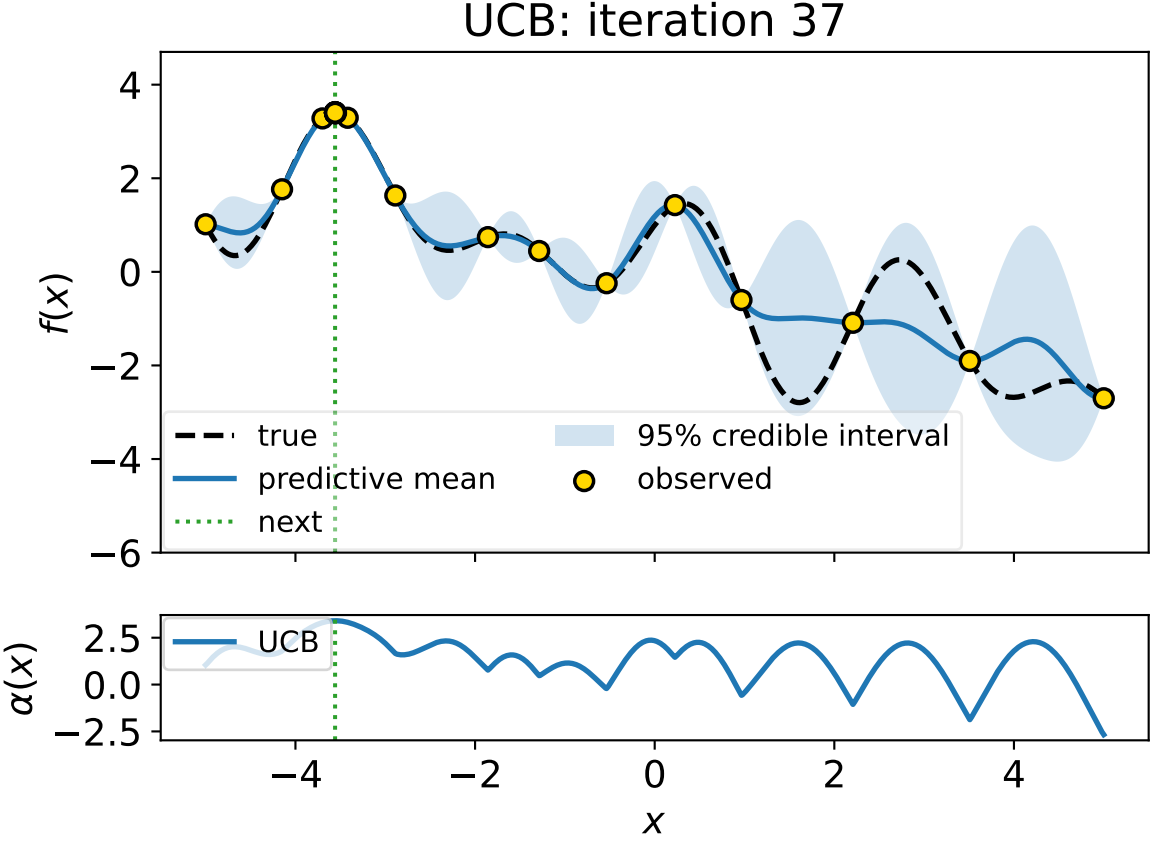

UCB: iteration 32
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

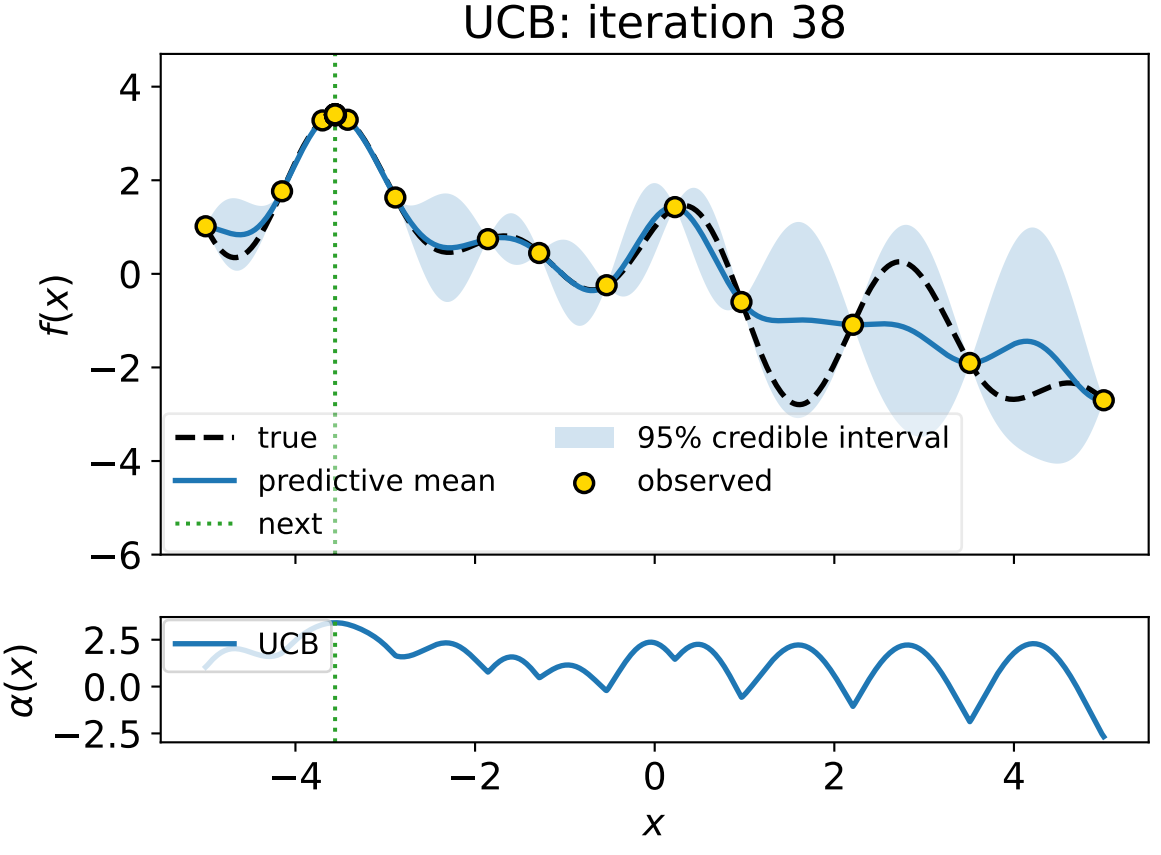

UCB: iteration 33
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

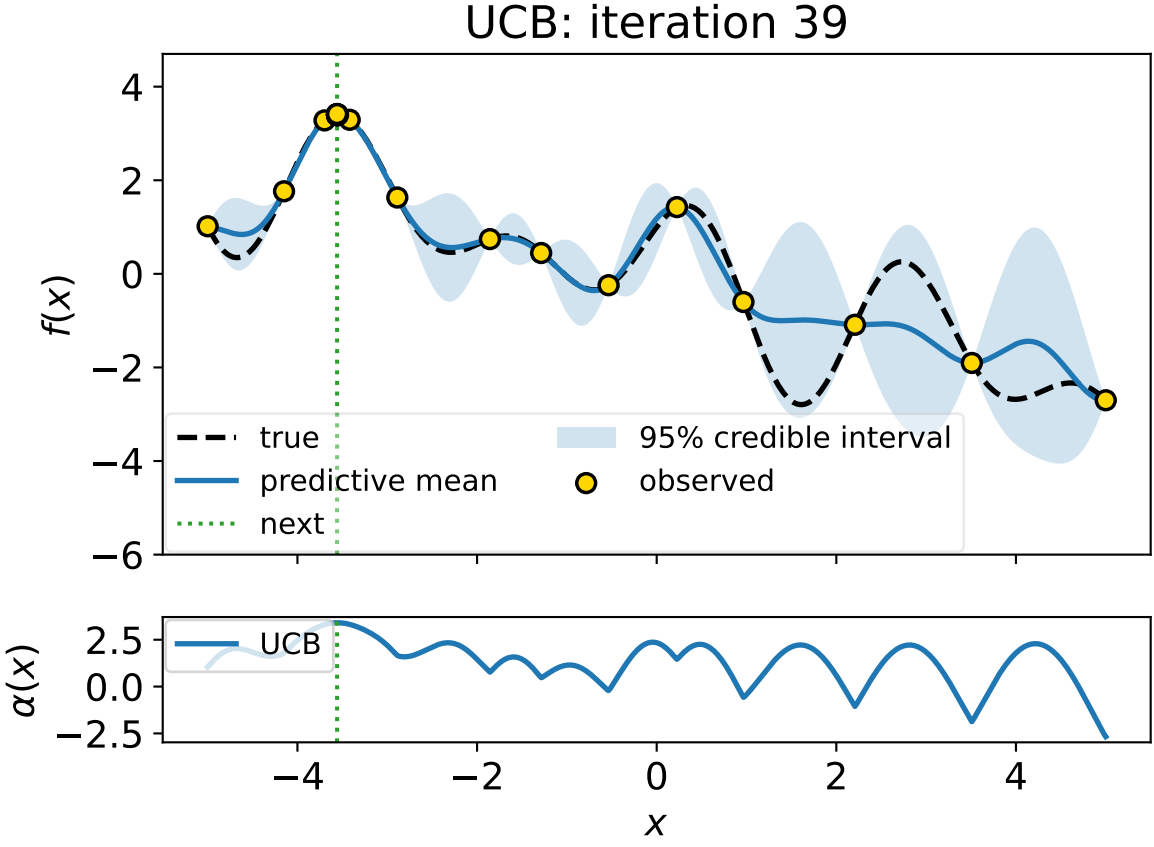

UCB: iteration 34
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

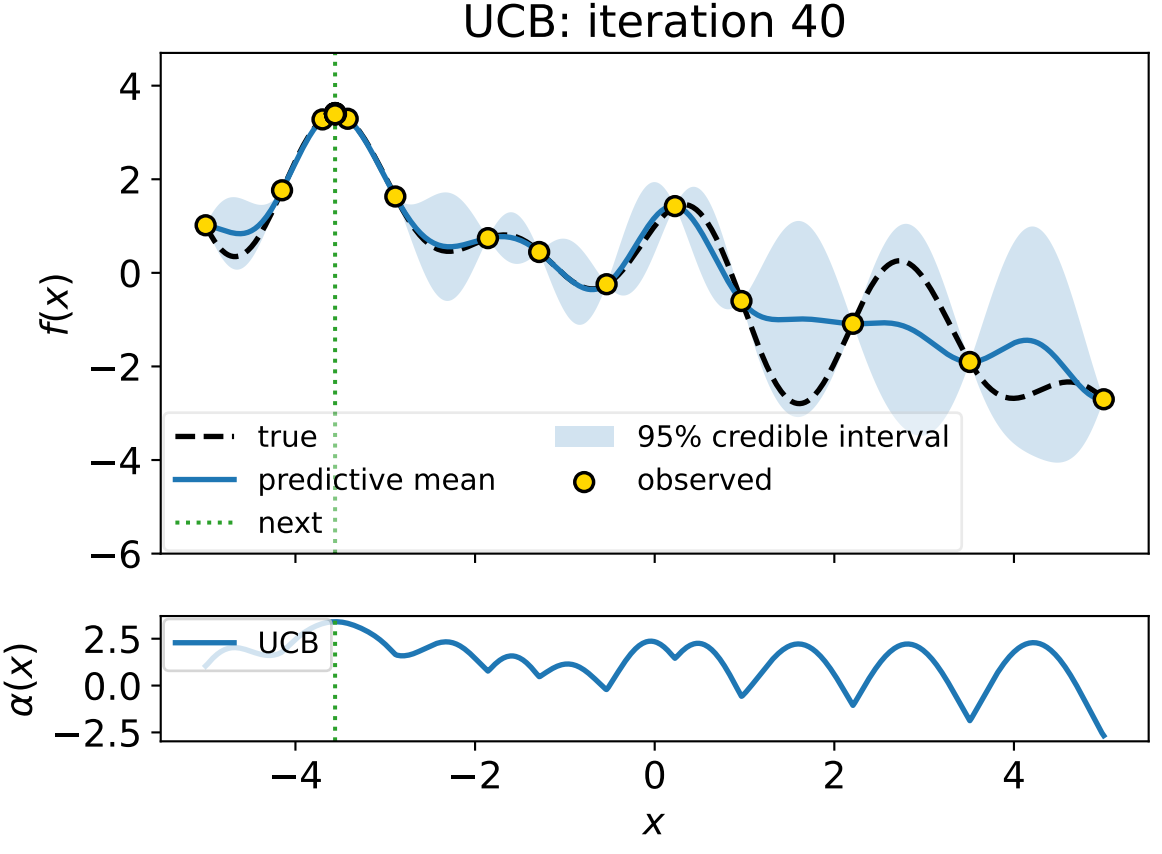

UCB: iteration 35
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

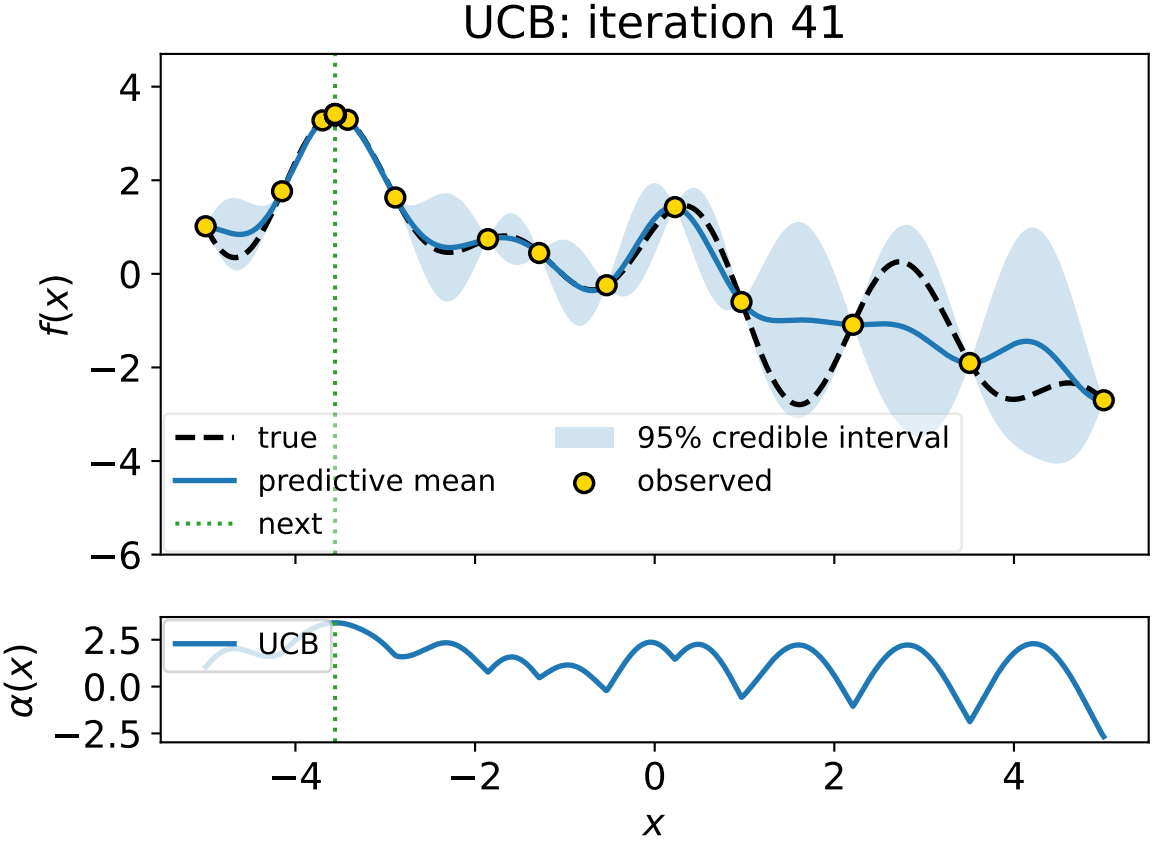

UCB: iteration 36
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

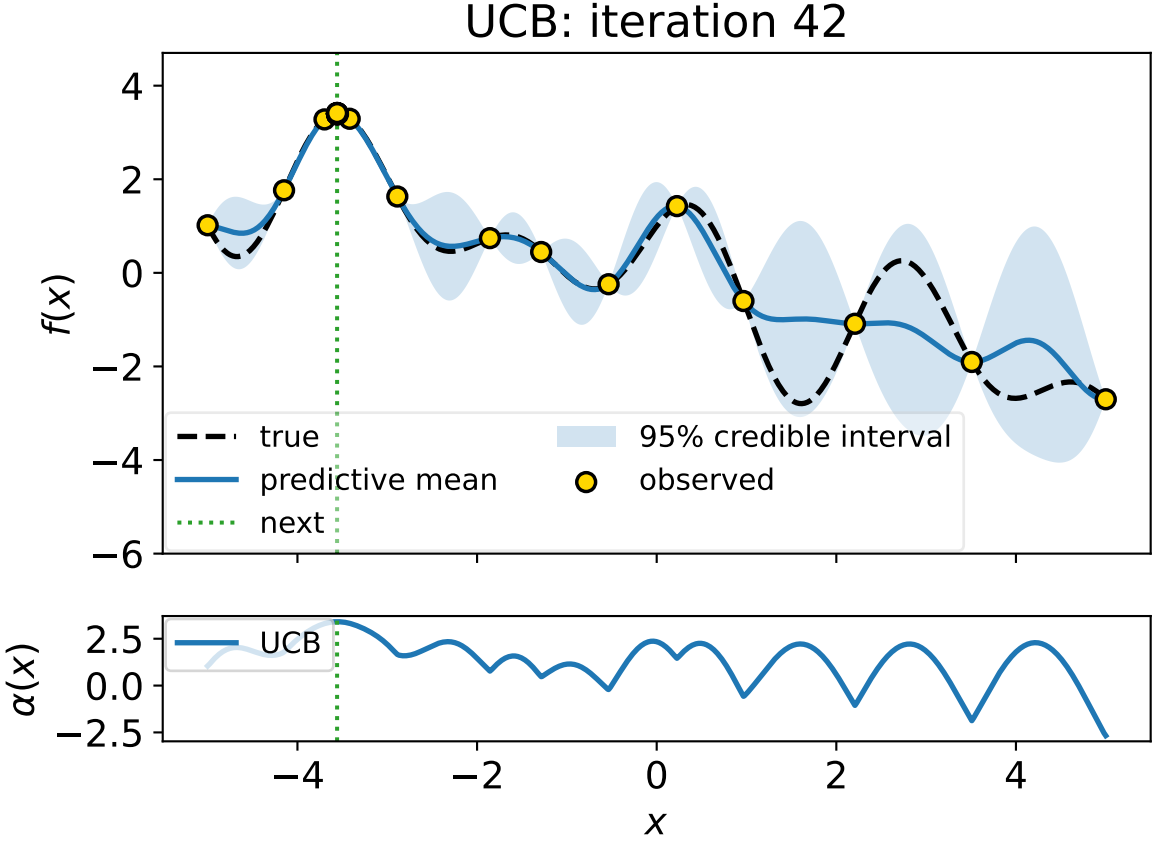

UCB: iteration 37
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

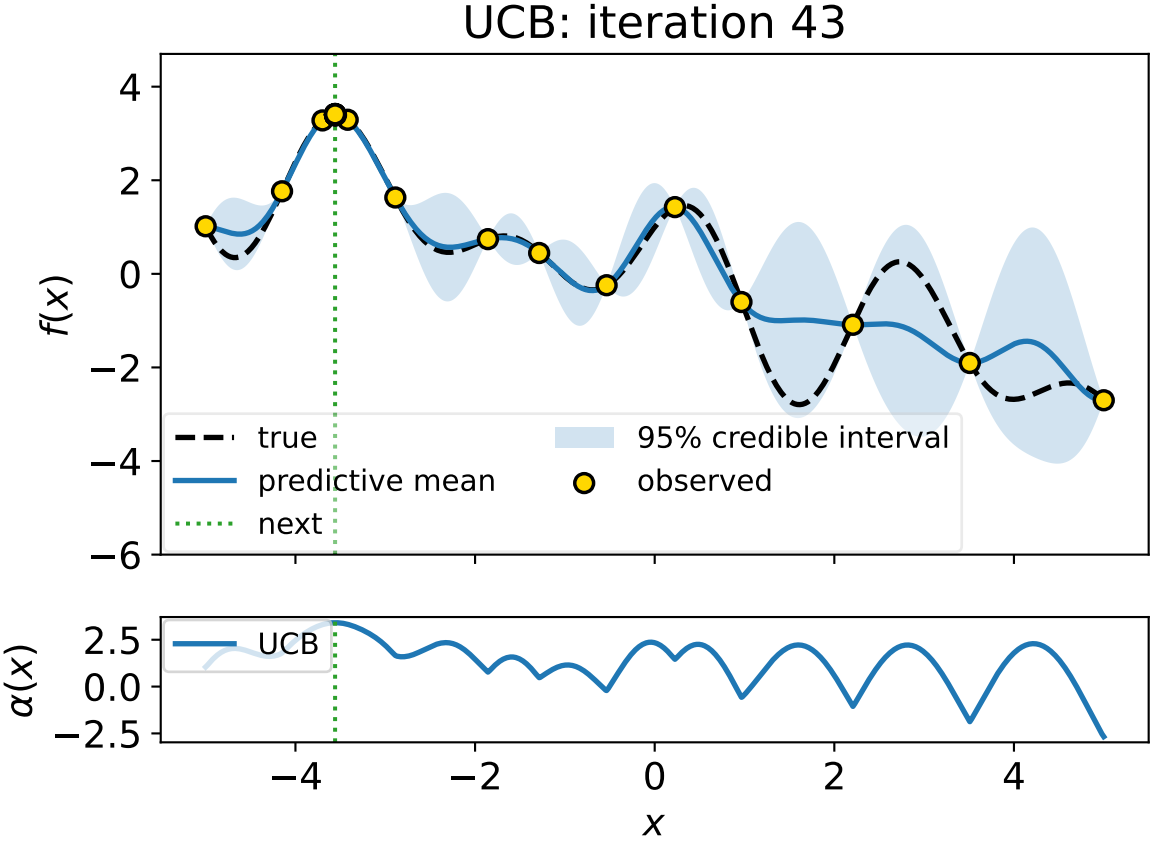

UCB: iteration 38
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

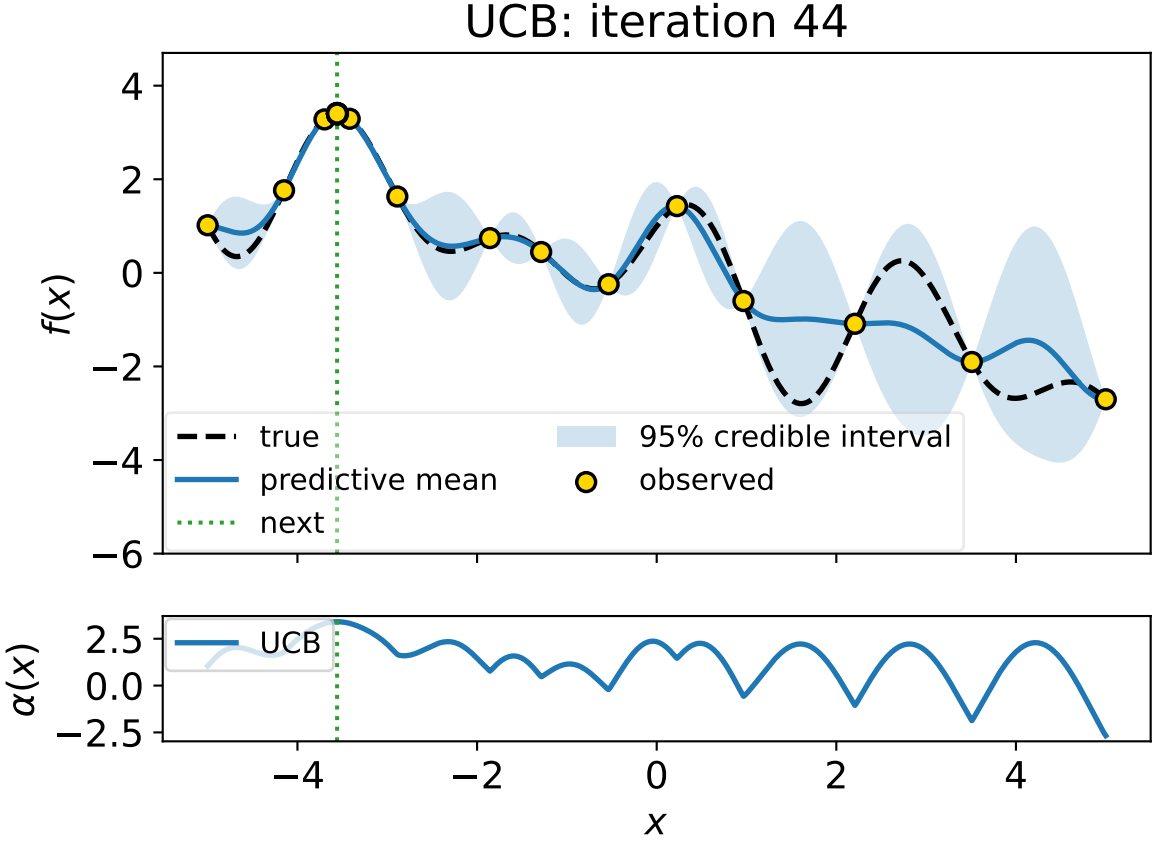

UCB: iteration 39
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

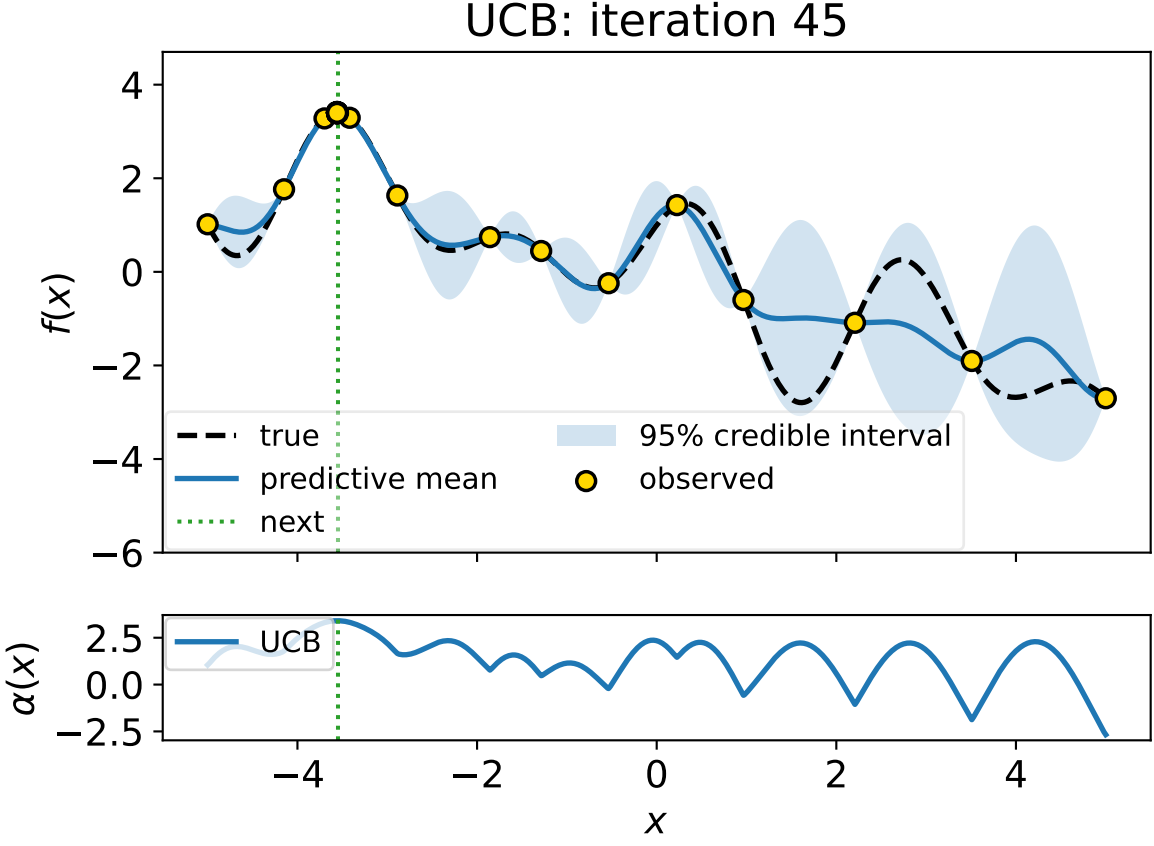

UCB: iteration 40
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

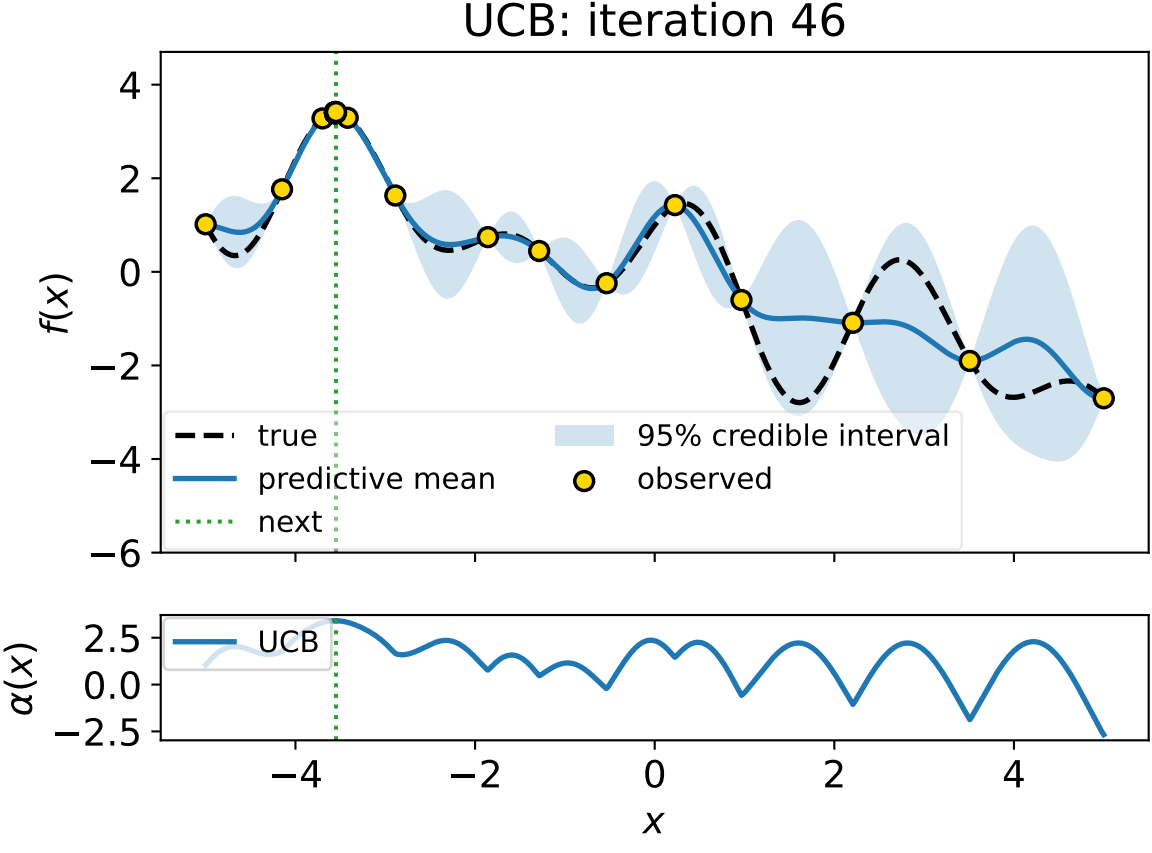

UCB: iteration 41
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

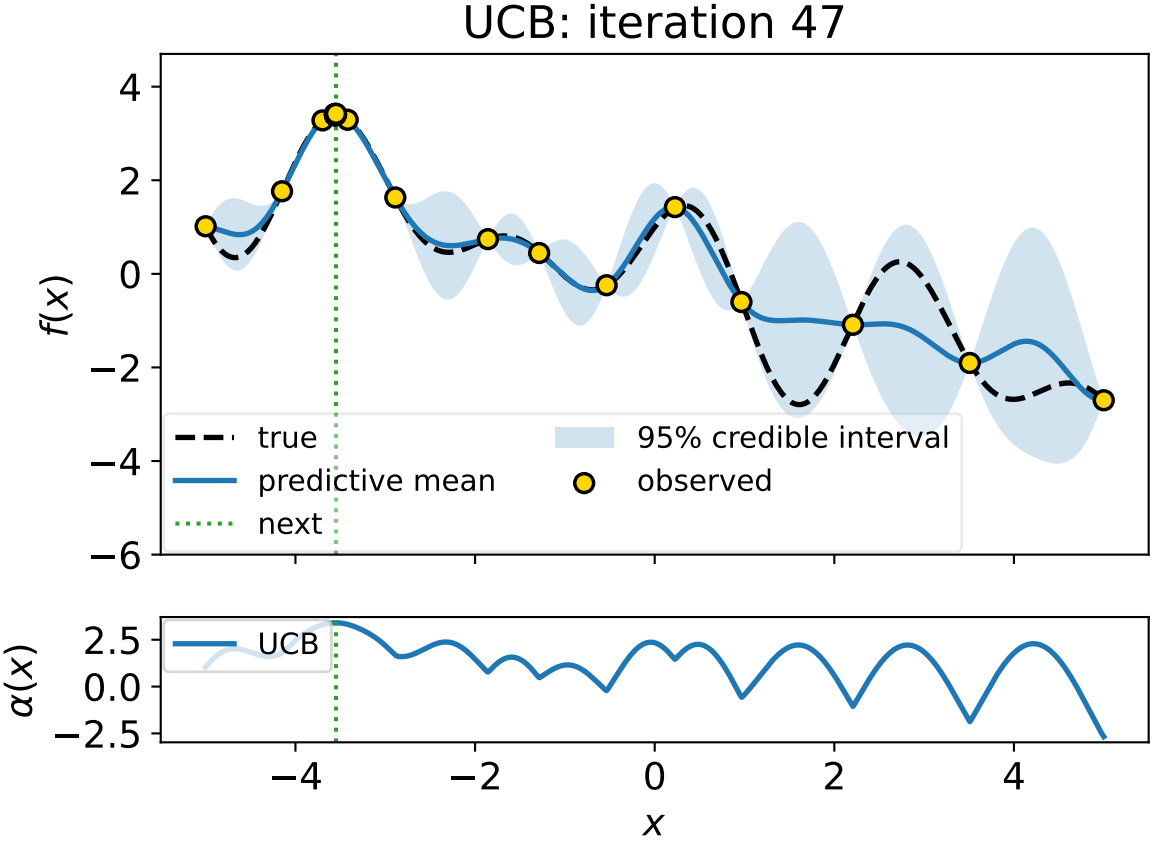

UCB: iteration 42
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

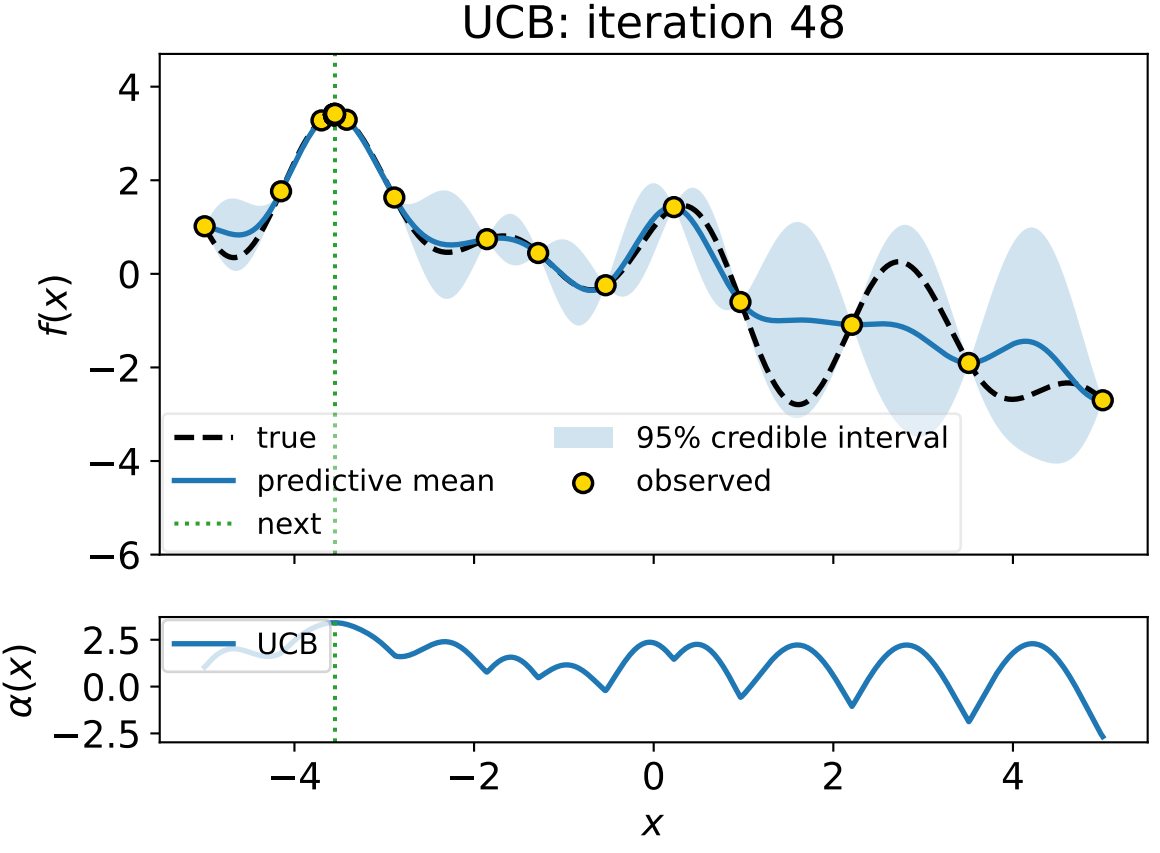

UCB: iteration 43
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x

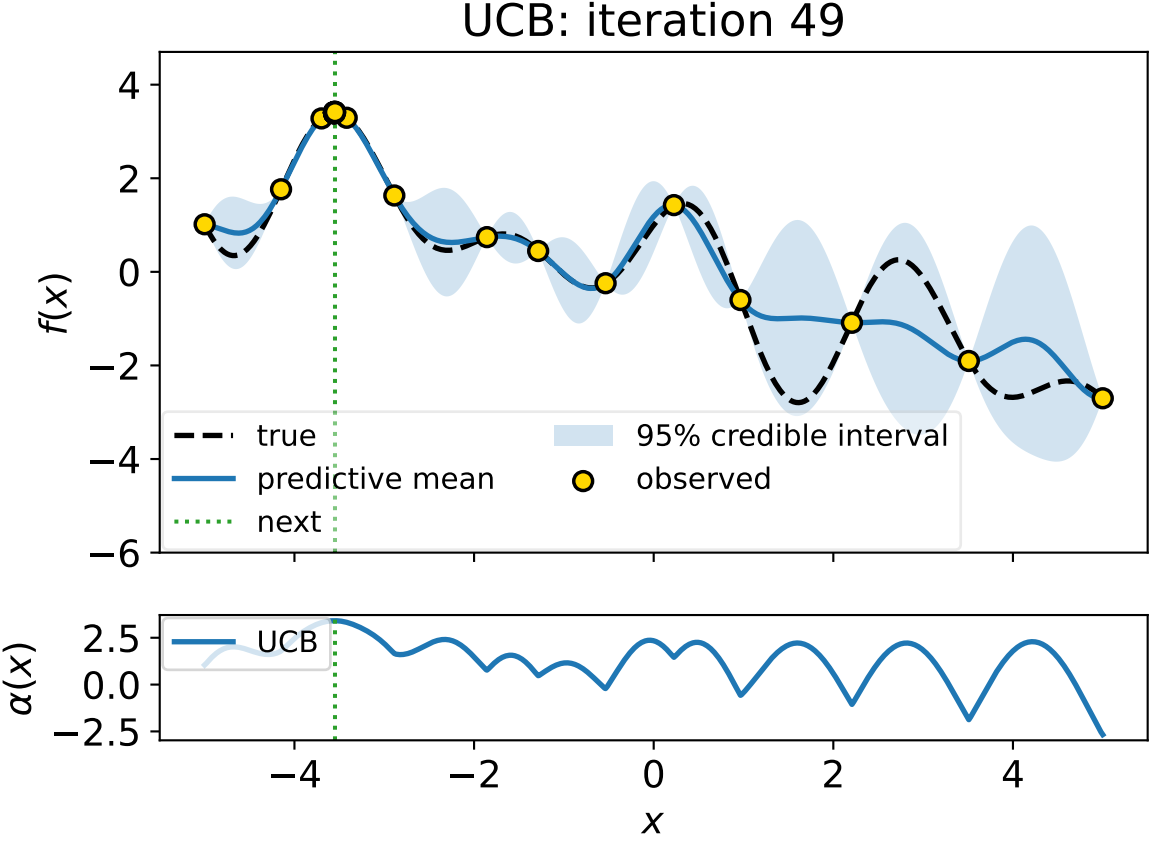

UCB: iteration 44
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x

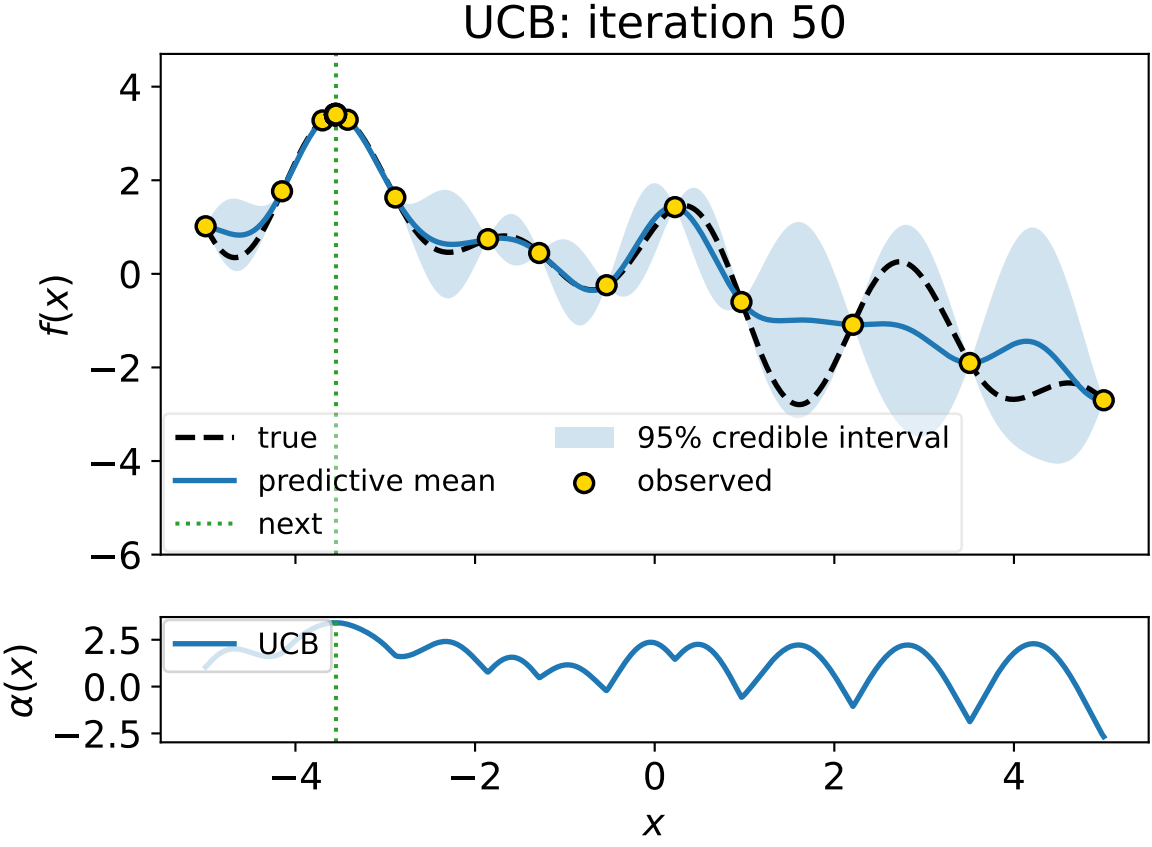

UCB: iteration 45
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x


UCB: iteration 46
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x


UCB: iteration 47
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x


UCB: iteration 48
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x


UCB: iteration 49
f(x)
true
predictive mean
next
95% credible interval
observed
α(x)
UCB
x


UCB: iteration 50
f(x)
4
2
0
−2
−4
−6
true
predictive mean
next
95% credible interval
observed
α(x)
2.5
0.0
−2.5
UCB
−4
−2
0
2
4
x