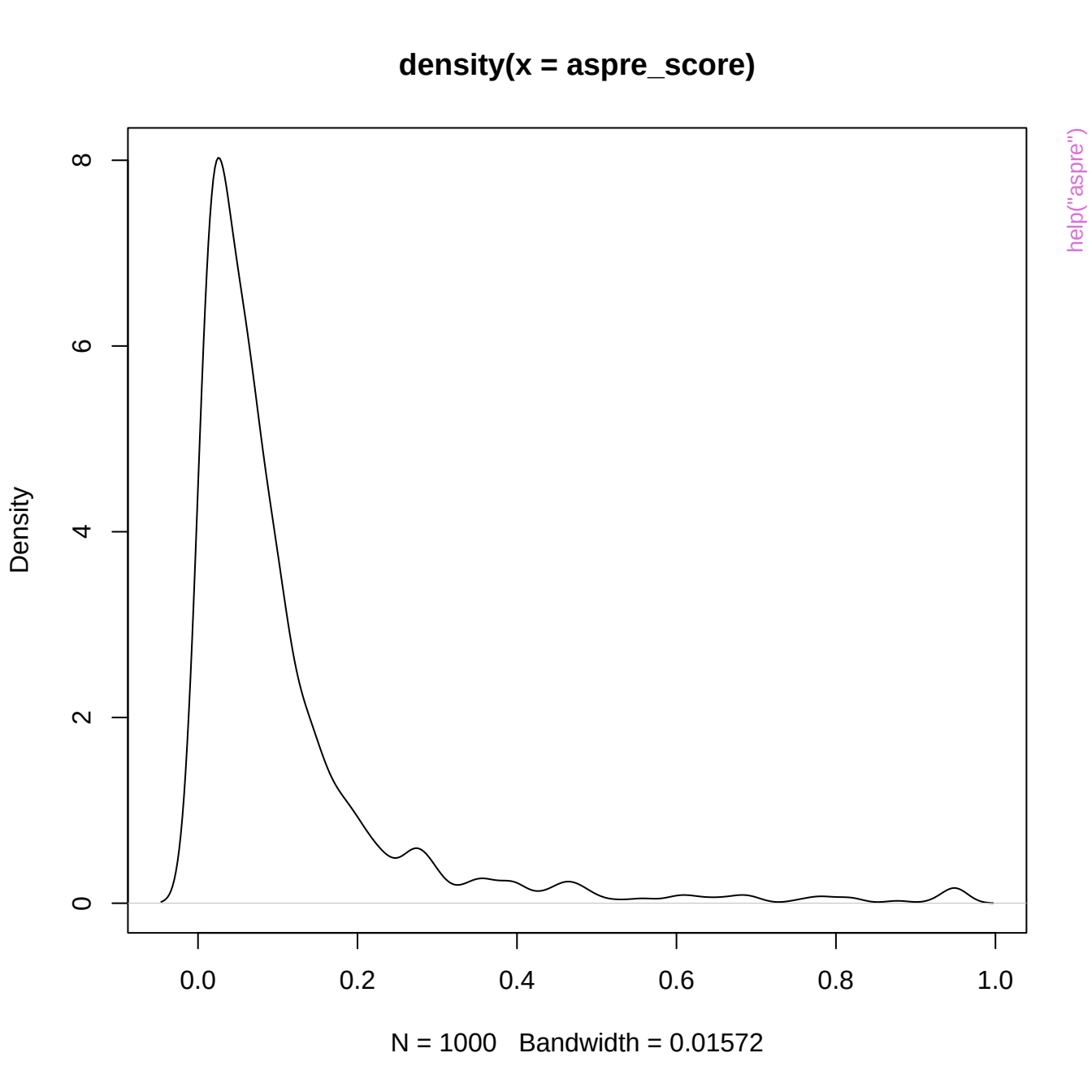
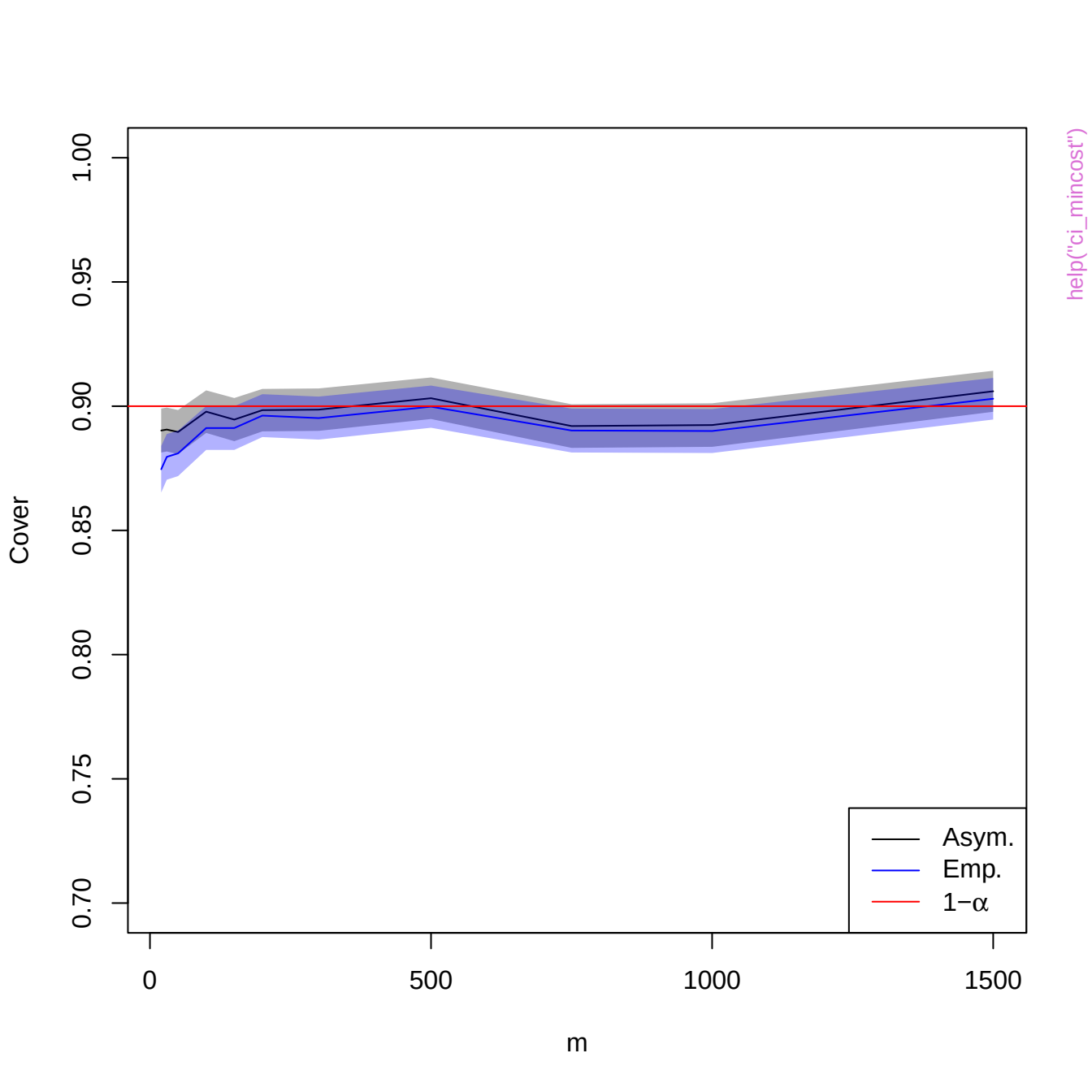
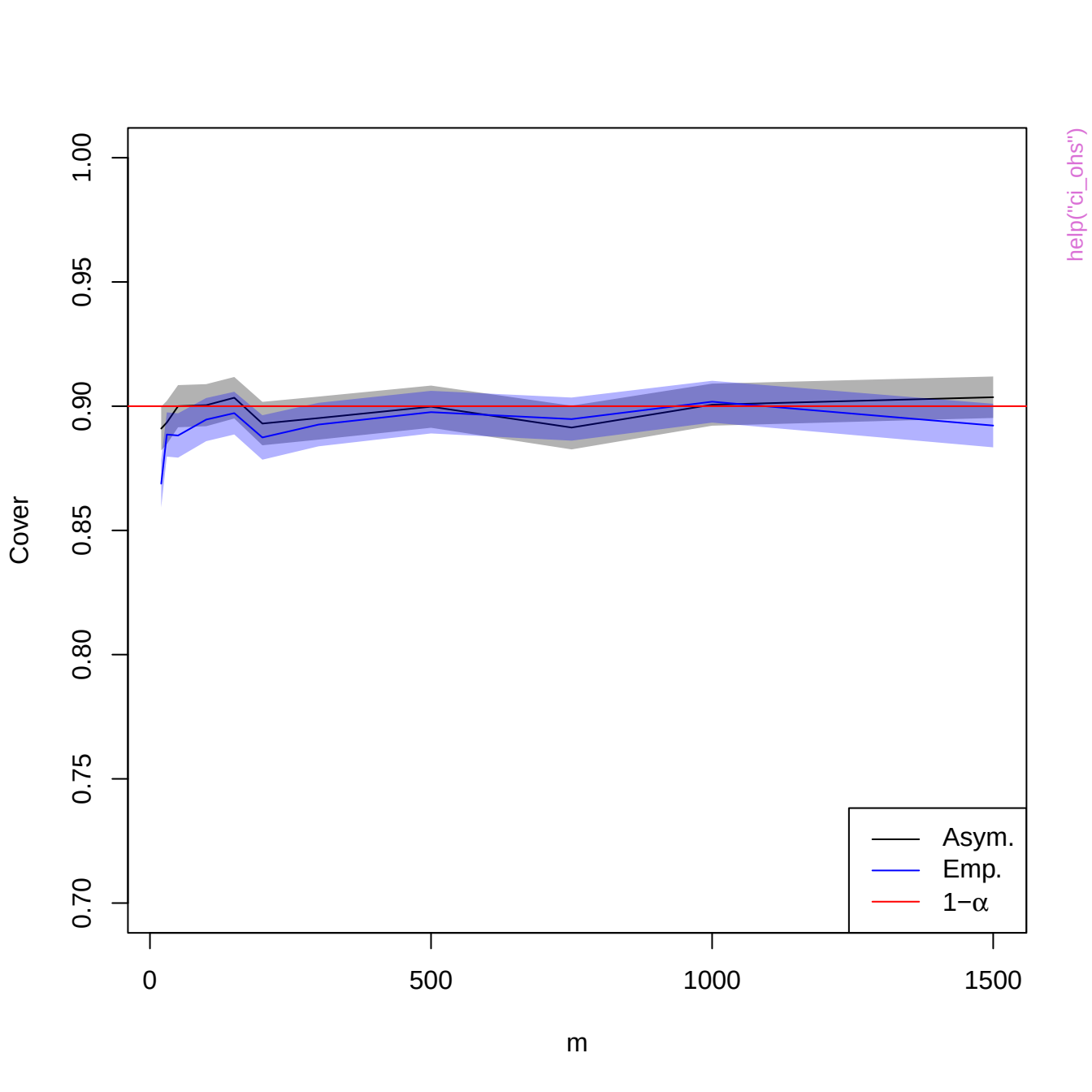
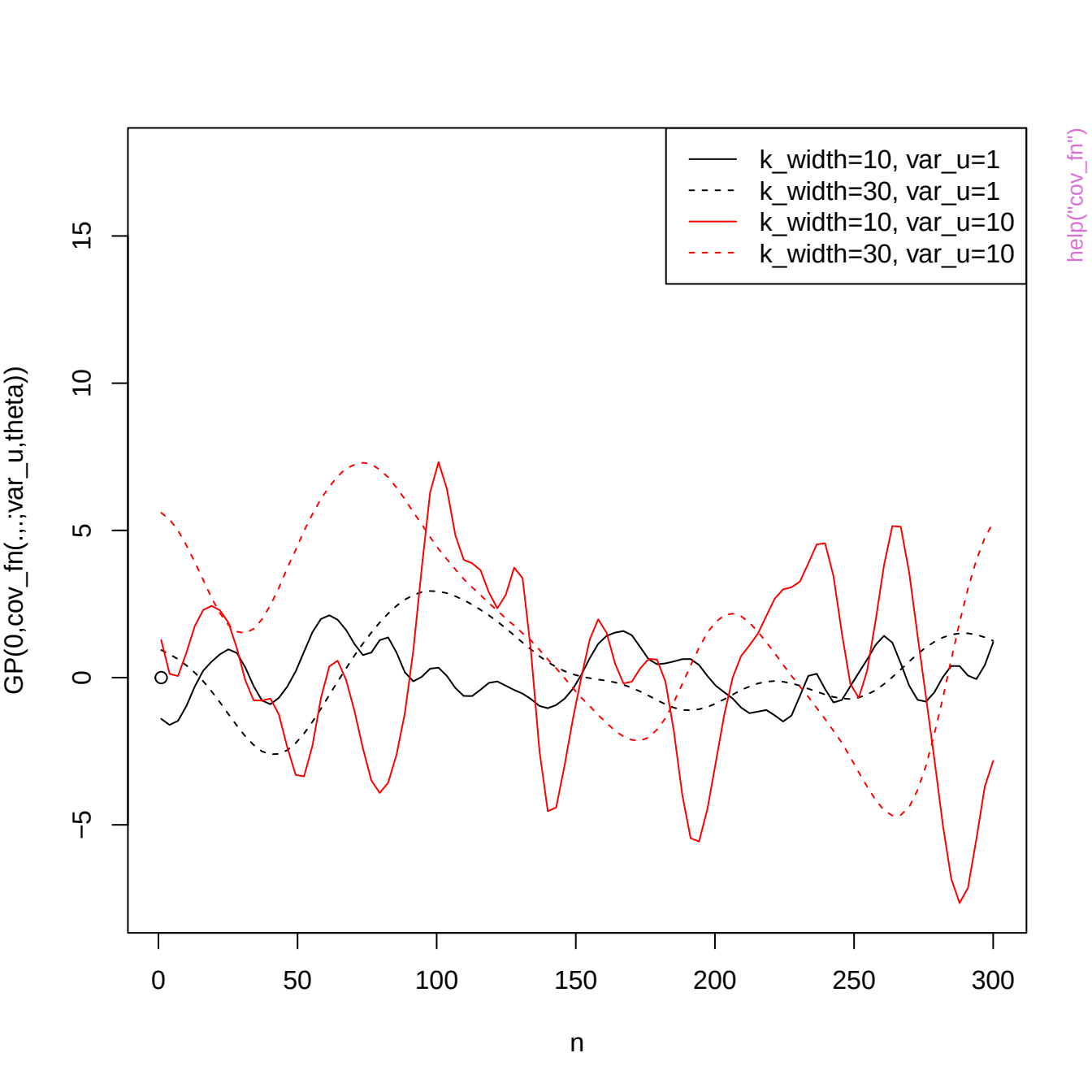
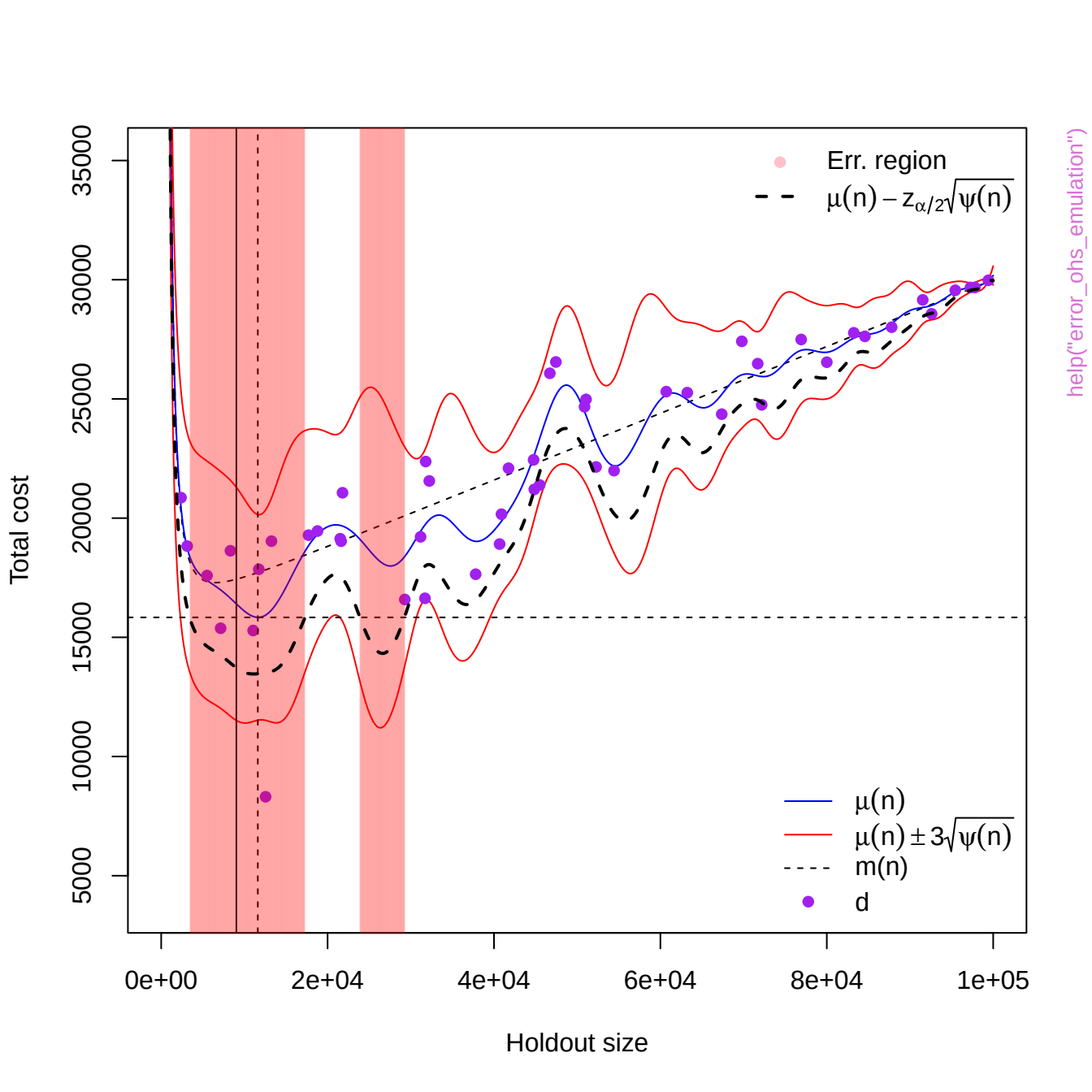
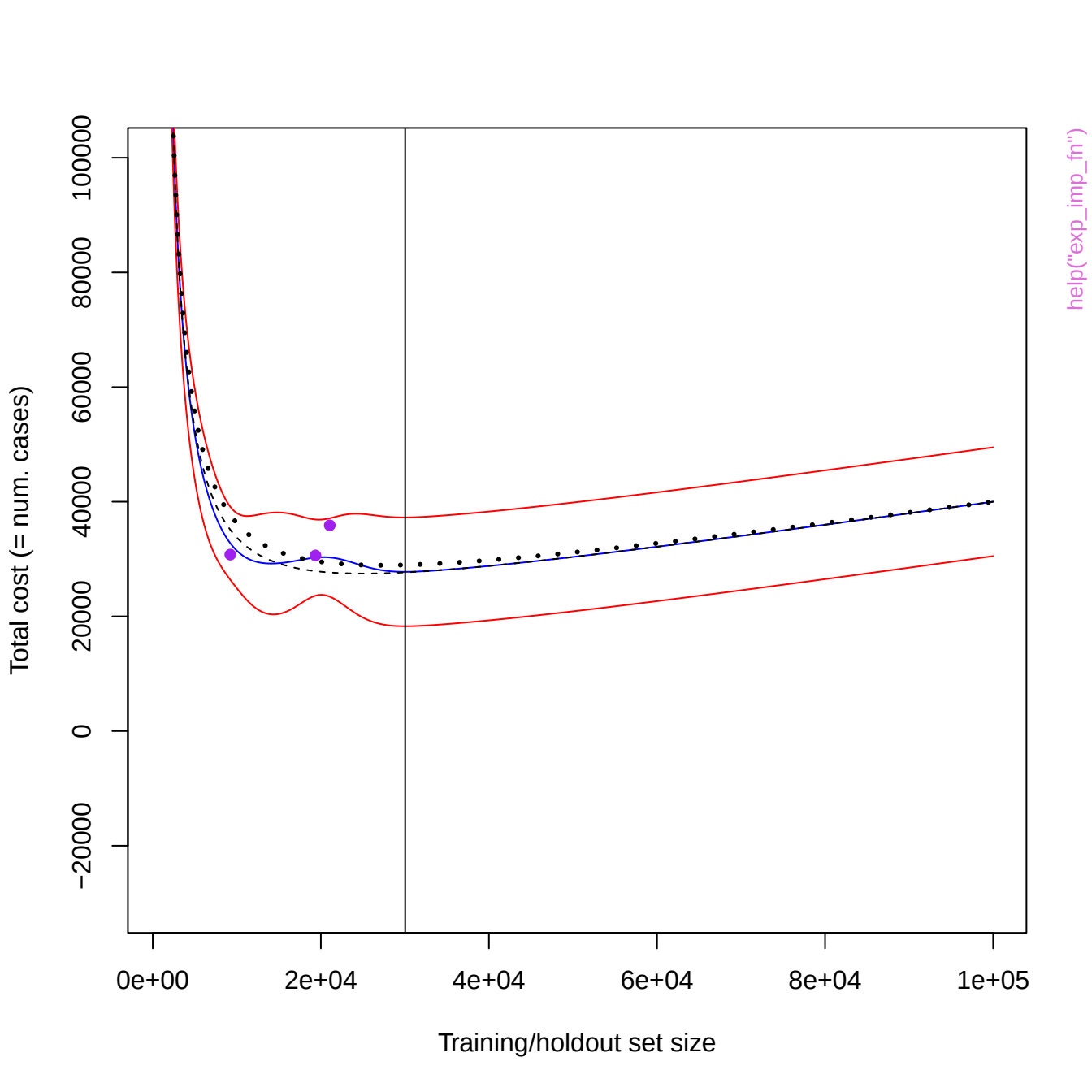

density(x = aspre_score)
Density
0
2
4
6
8
0.0
0.2
0.4
0.6
0.8
1.0
N = 1000 Bandwidth = 0.01572
help("aspre")

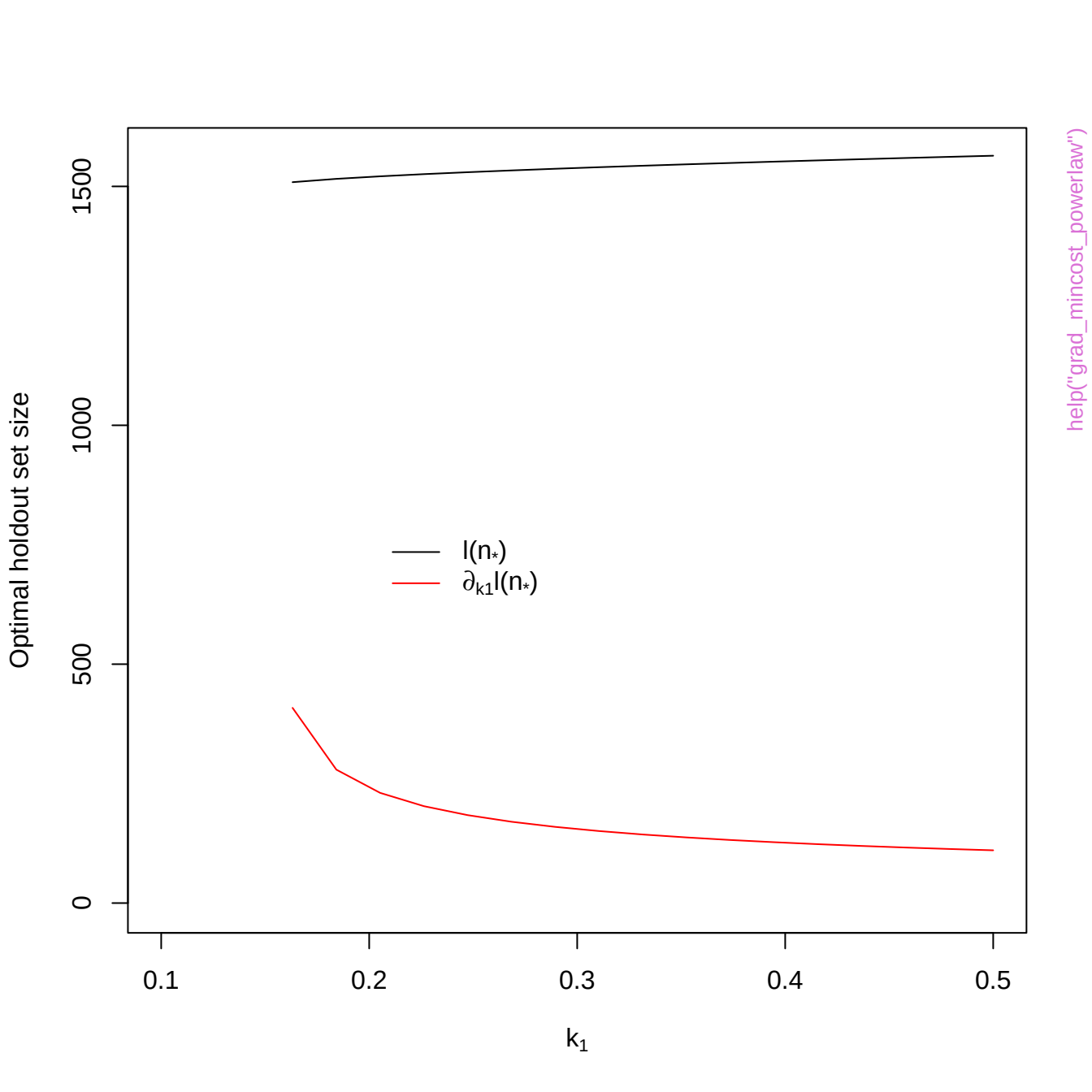

help("ci_mincost")
Cover
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
500
1000
1500
m
Asym.
Emp.
1−α

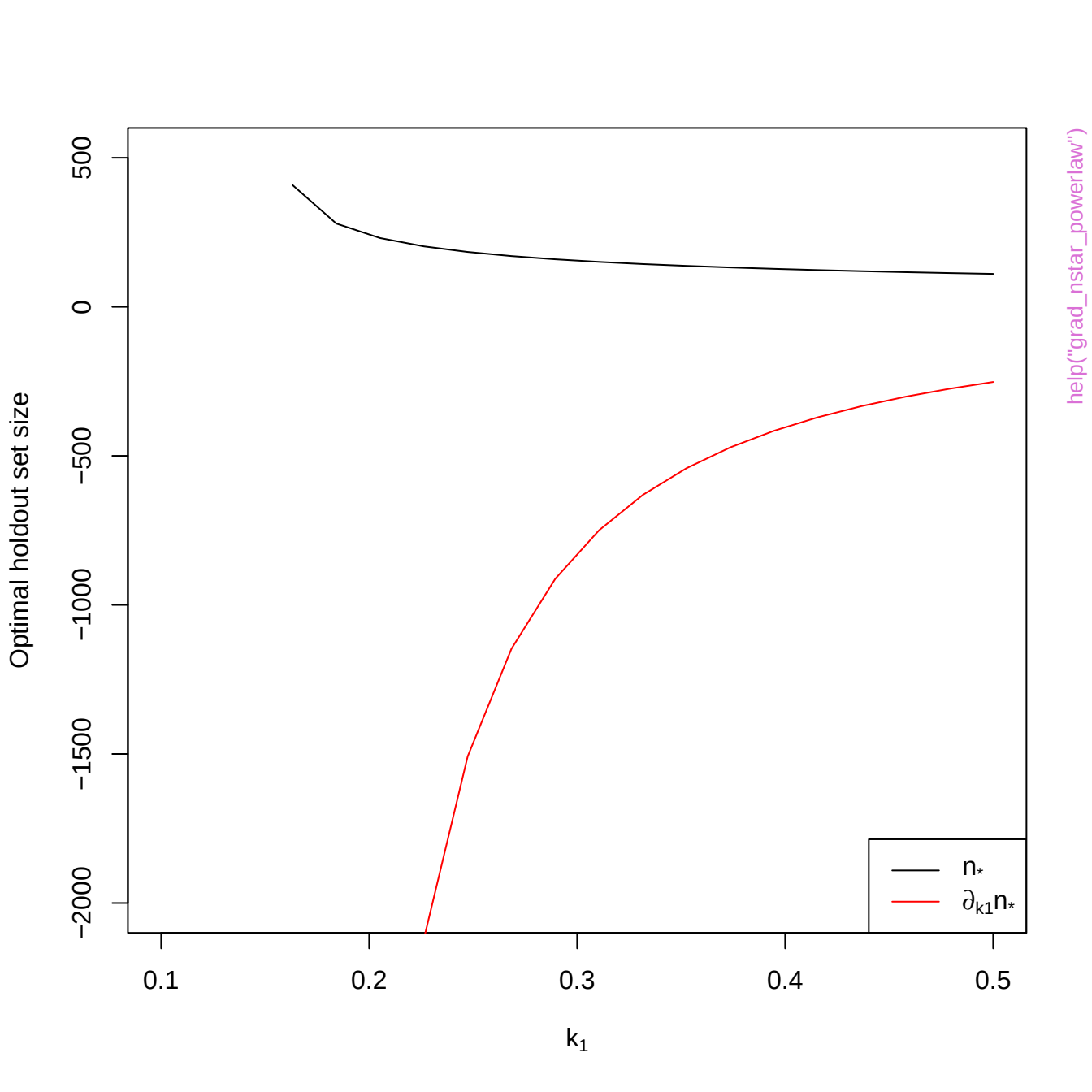

help("ci_ohs")
Cover
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
500
1000
1500
m
Asym.
Emp.
1−α

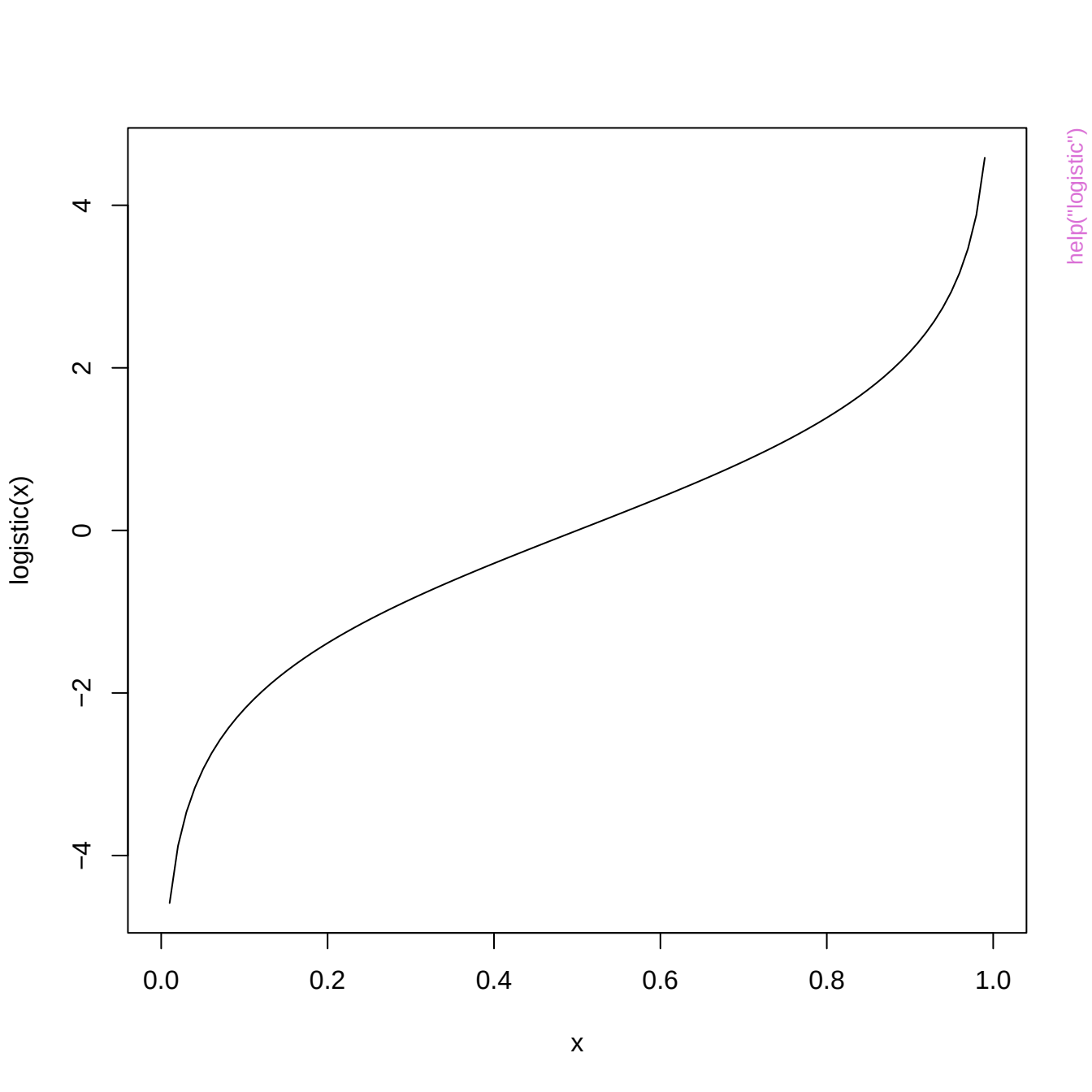

k_width=10, var_u=1
k_width=30, var_u=1
k_width=10, var_u=10
k_width=30, var_u=10
GP(0,cov_fn(.,.;var_u,theta))
n
help("cov_fn")
15
10
5
0
−5
0
50
100
150
200
250
300

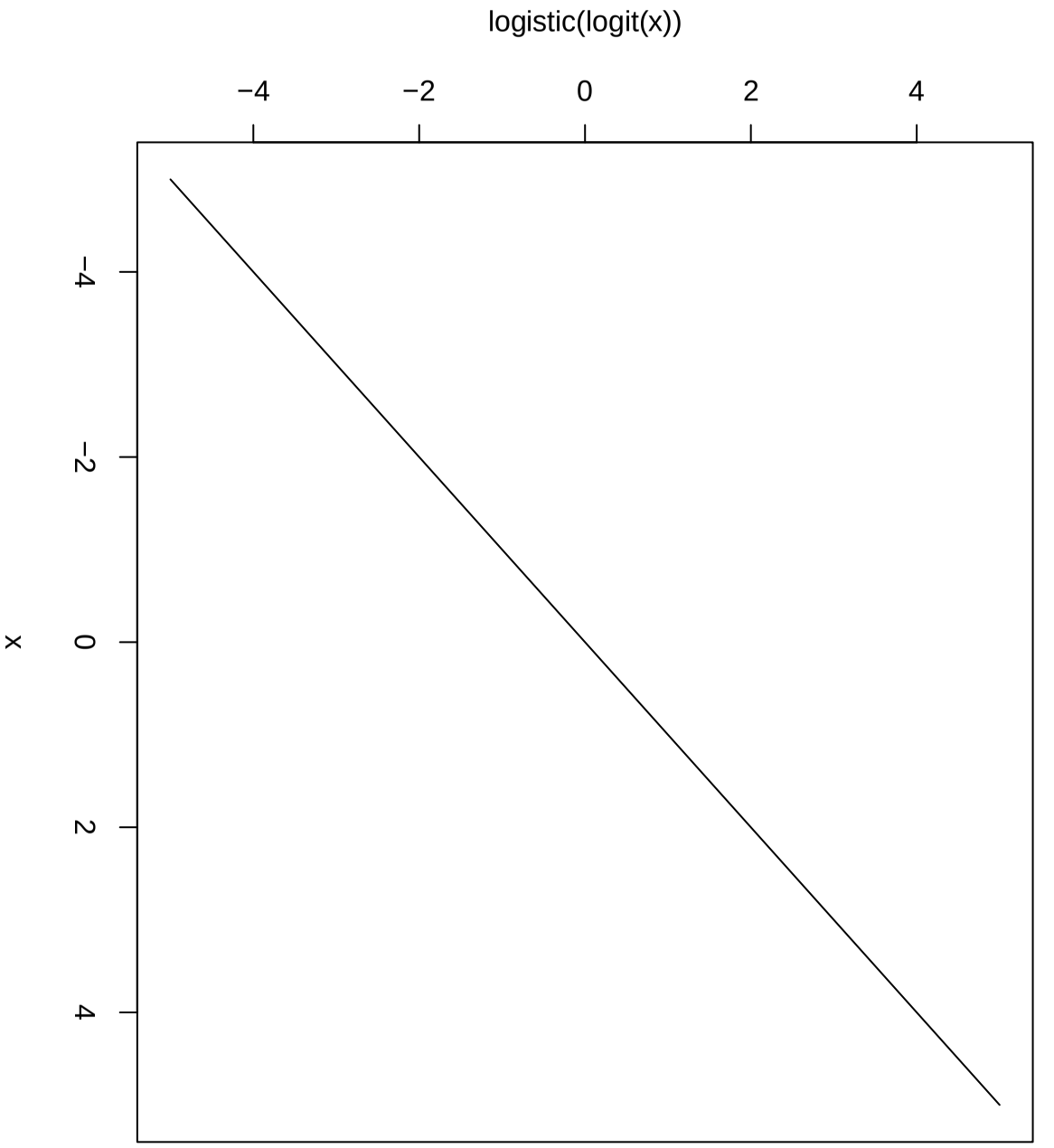

Err. region
$\mu(n) - z_{\alpha/2}\sqrt{\psi(n)}$
$\mu(n)$
$\mu(n) \pm 3\sqrt{\psi(n)}$
m(n)
d
Total cost
Holdout size
5000
10000
15000
20000
25000
30000
35000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
help("error_ohs_emulation")


Total cost (= num. cases)
100000
80000
60000
40000
20000
0
−20000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
Training/holdout set size
help("exp_imp_fn")

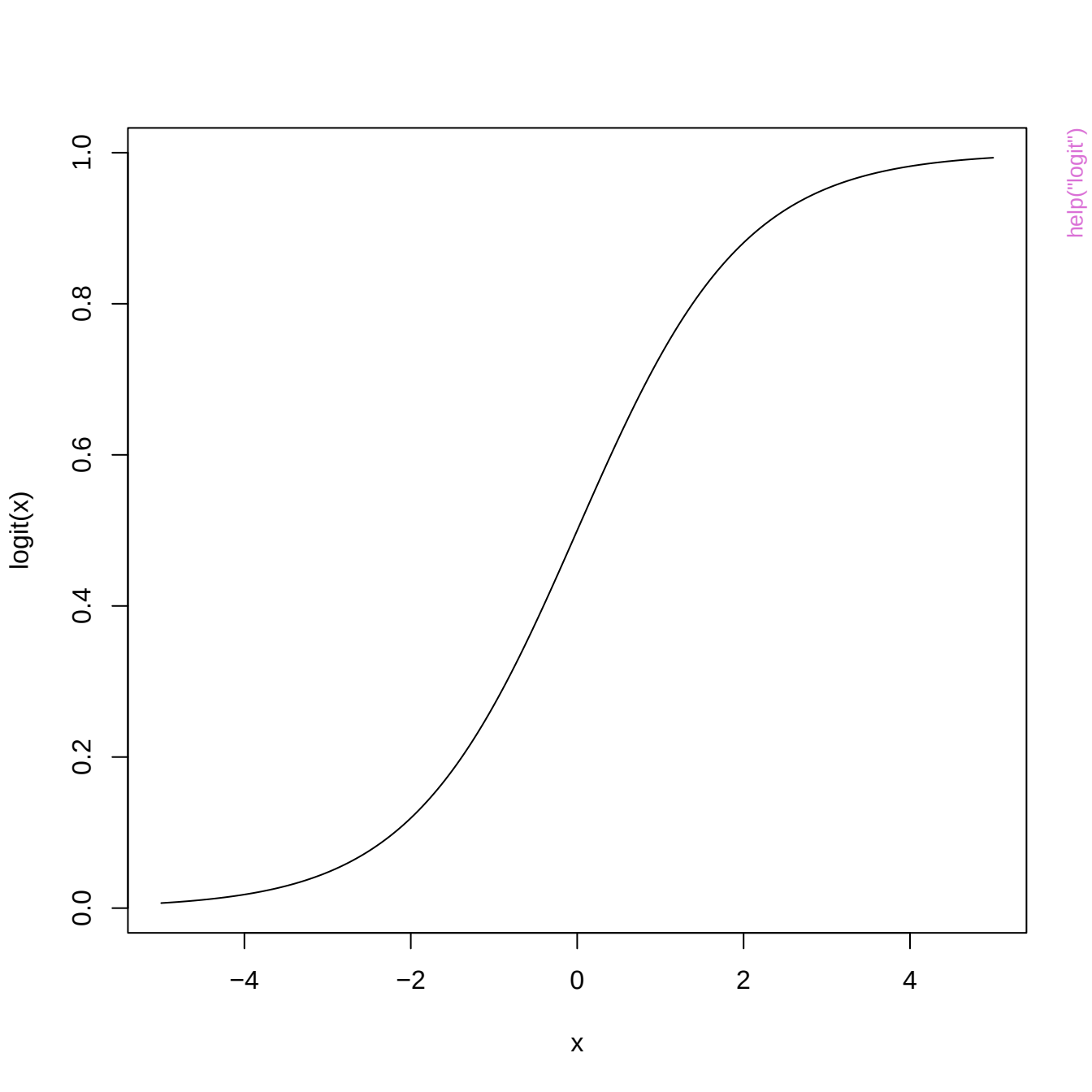

Optimal holdout set size
0
500
1000
1500
0.1
0.2
0.3
0.4
0.5
k_1
$l(n_*)$
$\partial_{k1} l(n_*)$
help("grad_mincost_powerlaw")

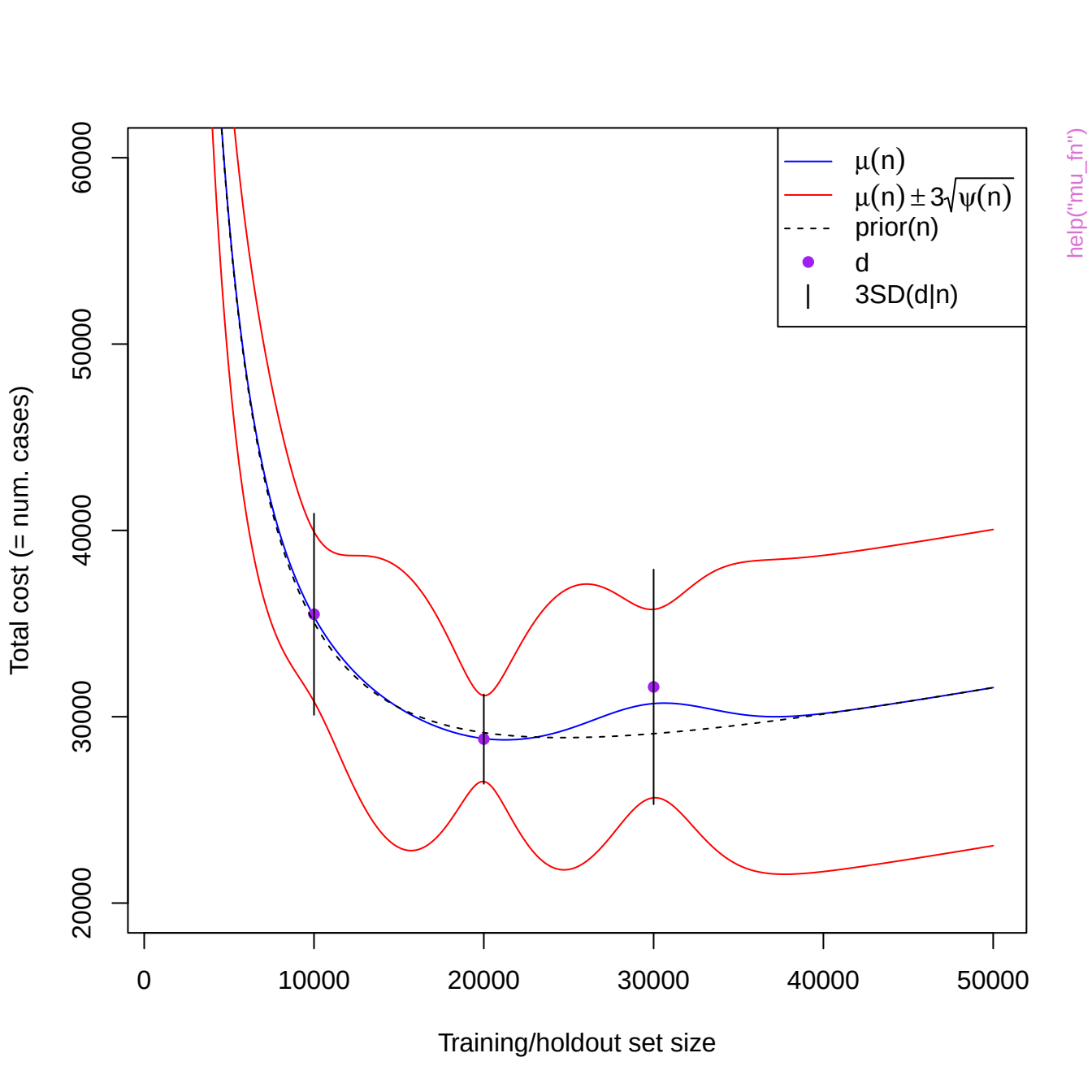

Optimal holdout set size
500
0
−500
−1000
−1500
−2000
0.1
0.2
0.3
0.4
0.5
k_1
n_*
$\partial_{k1} n_*$
help("grad_nstar_powerlaw")

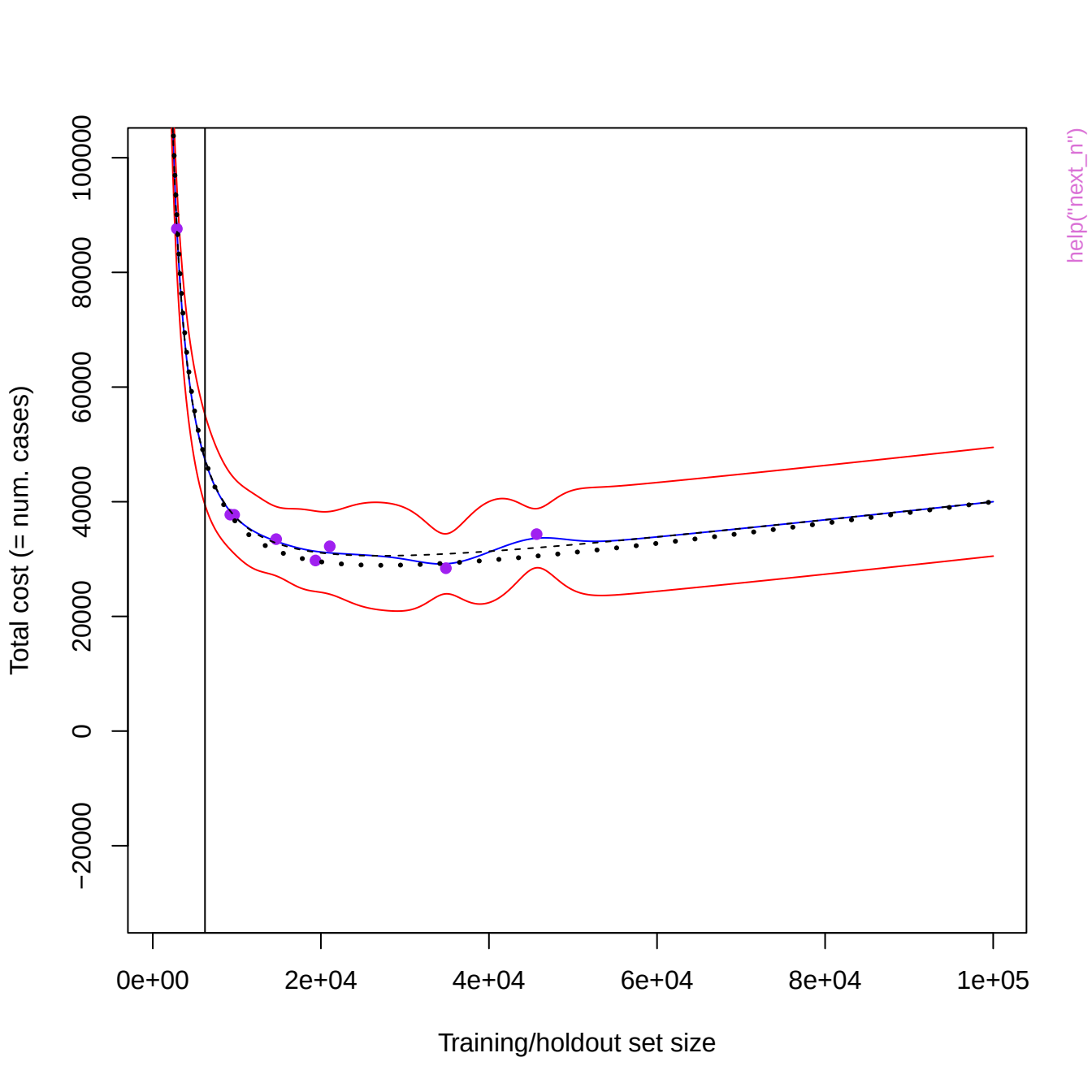

logistic(x)
4
2
0
−2
−4
0.0
0.2
0.4
0.6
0.8
1.0
x
help("logistic")

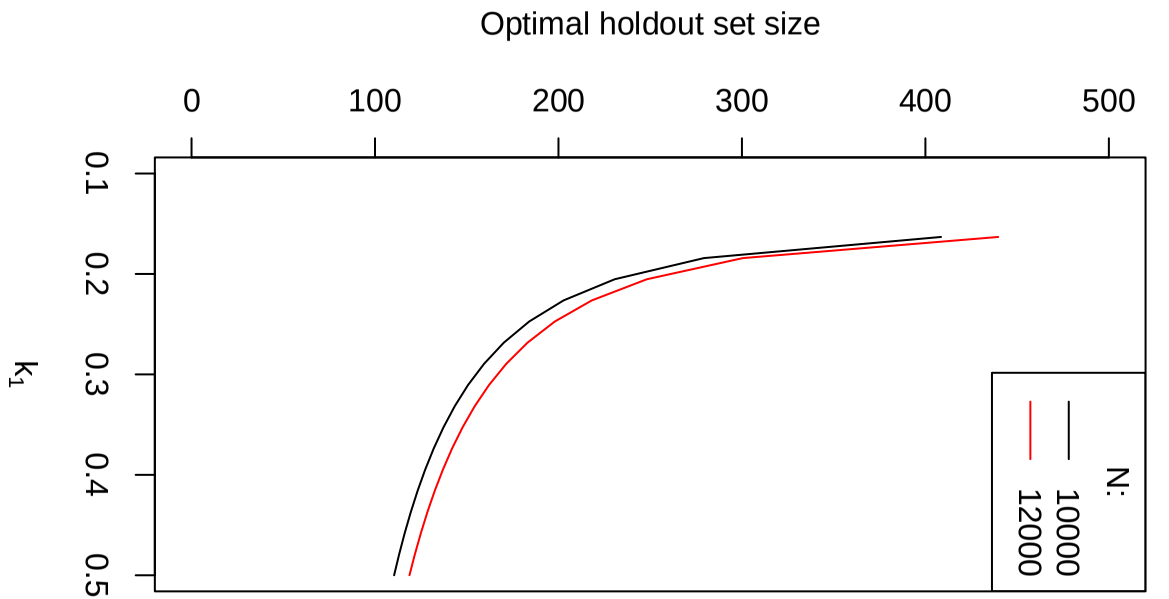


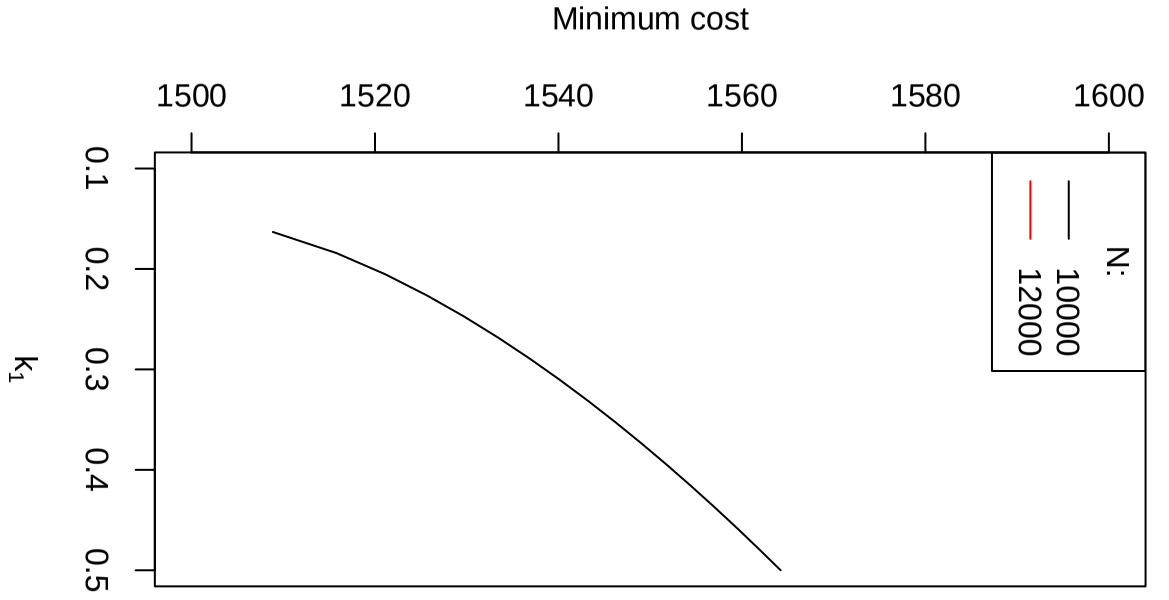
help("logistic")


logit(x)
0.0
0.2
0.4
0.6
0.8
1.0
−4
−2
0
2
4
x
help("logit")

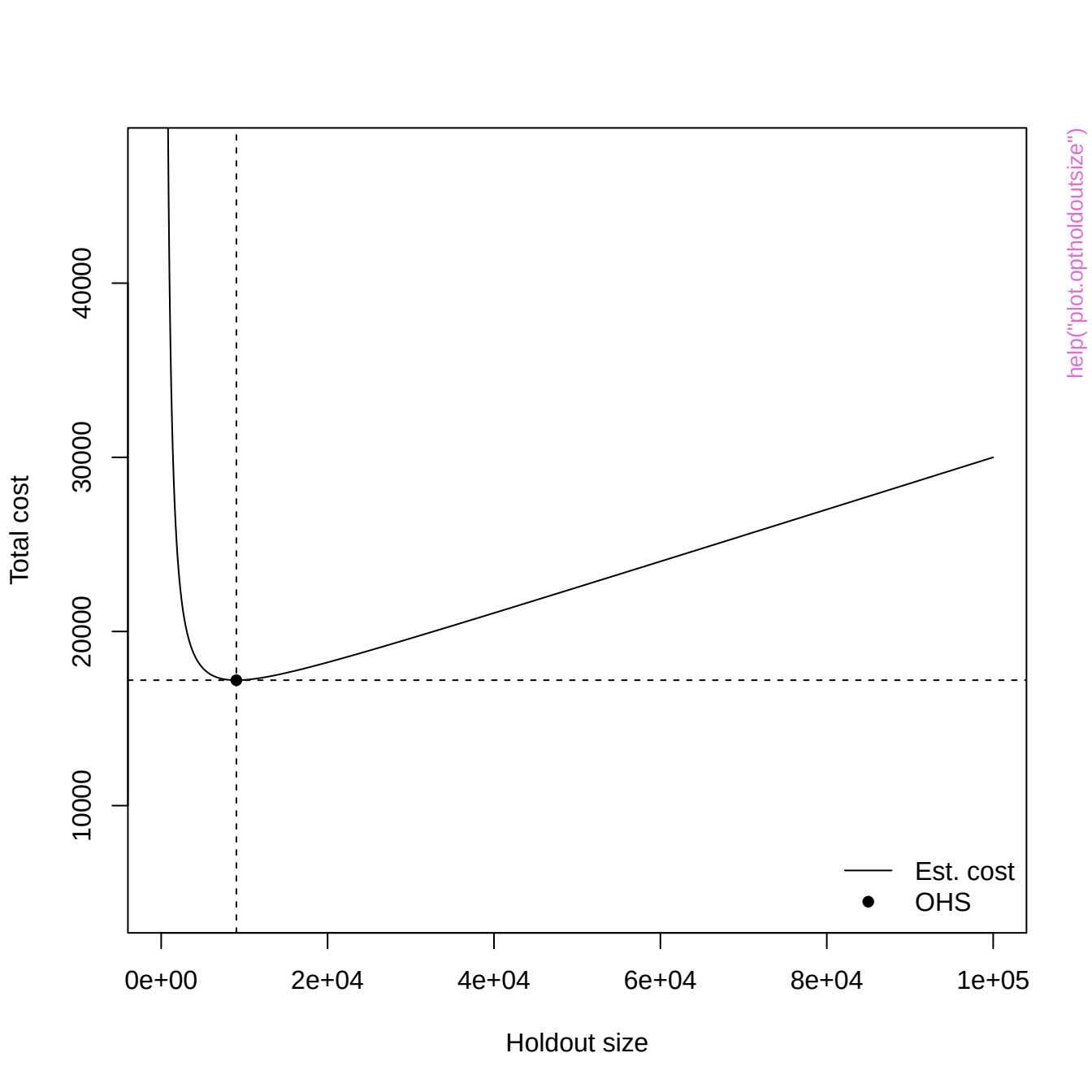

μ(n)
μ(n) ± 3√ψ(n)
prior(n)
d
3SD(d|n)
Total cost (= num. cases)
Training/holdout set size
20000
30000
40000
50000
60000
0
10000
20000
30000
40000
50000
help("mu_fn")

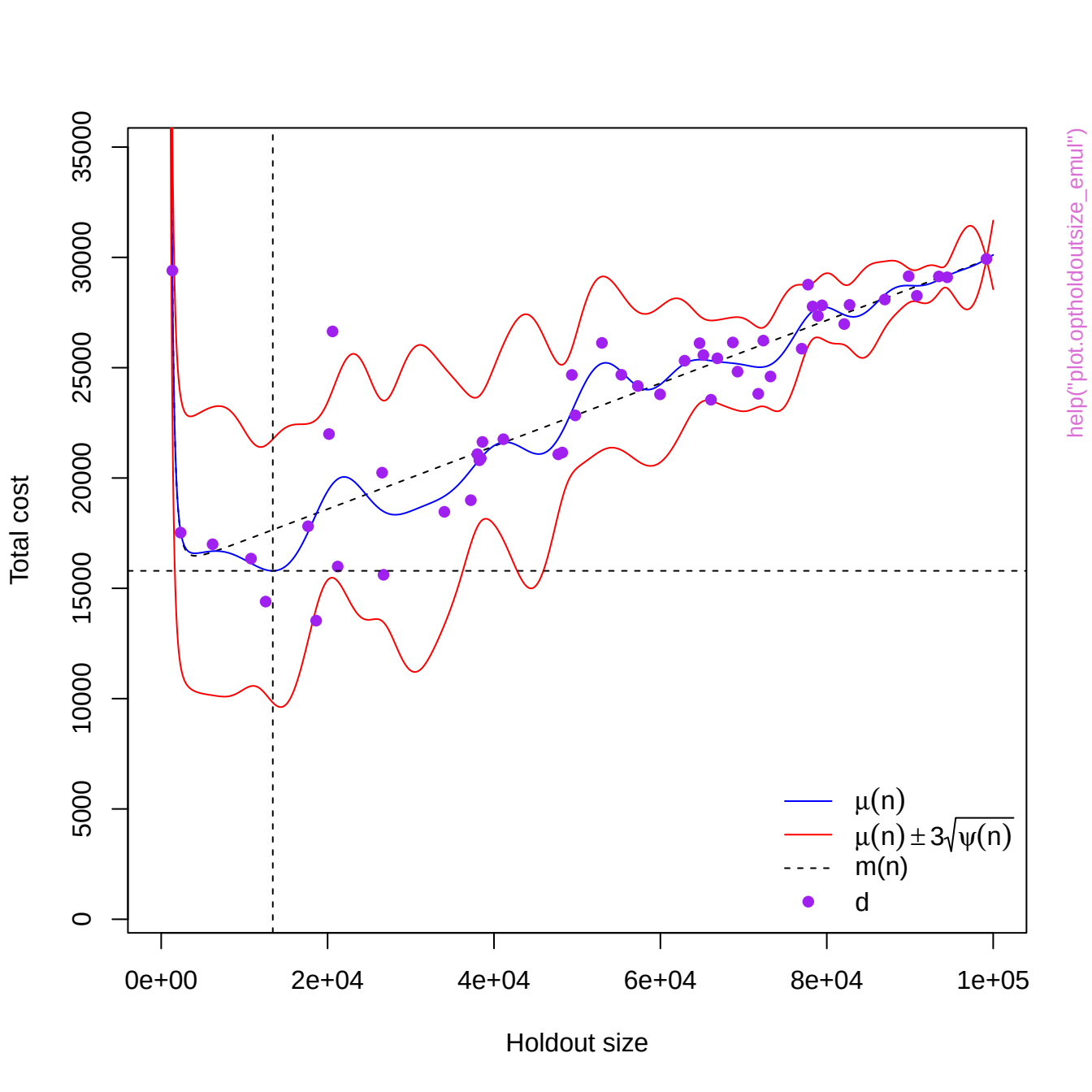

Total cost (= num. cases)
100000
80000
60000
40000
20000
0
−20000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
Training/holdout set size
help("next_n")

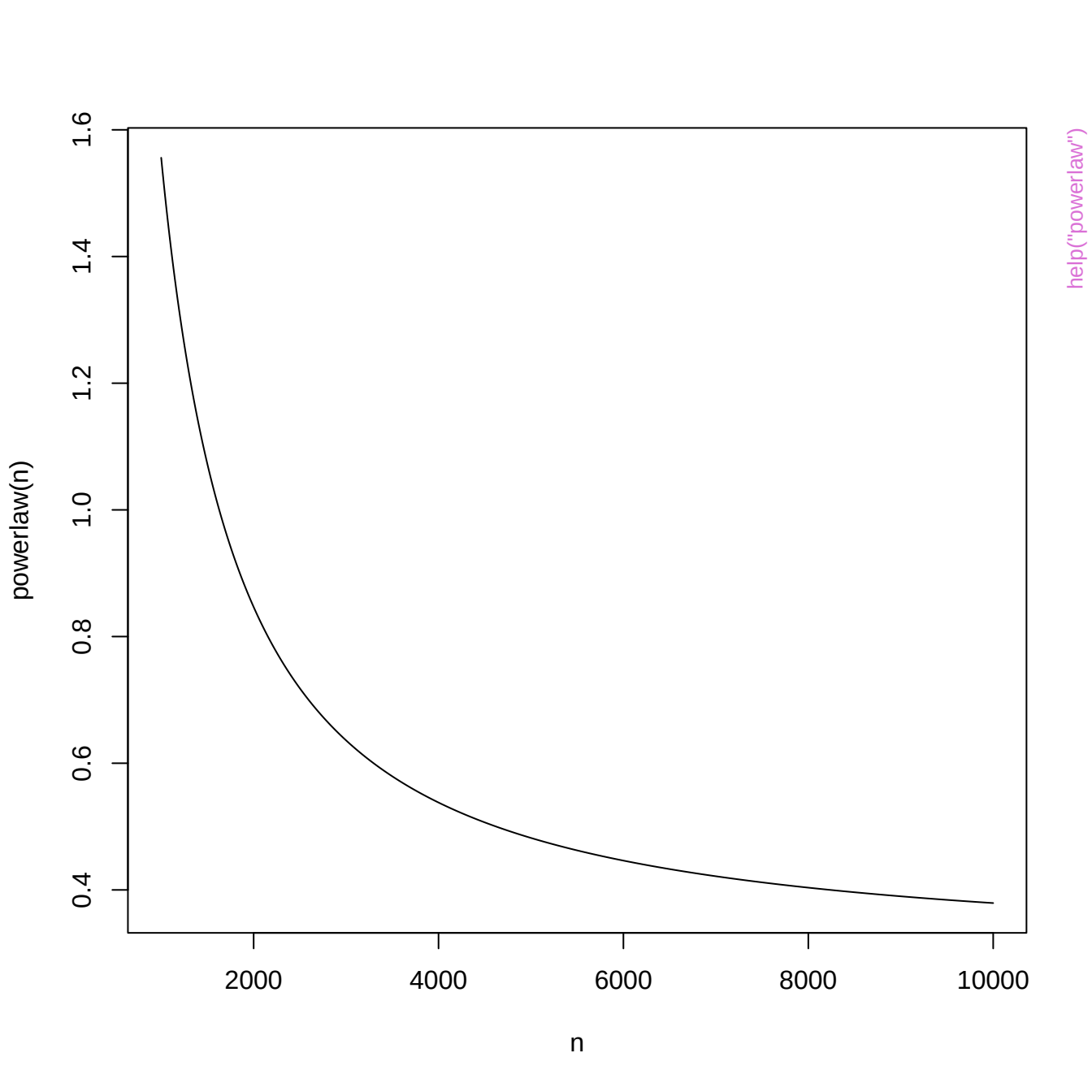




help("optimal_holdout_size")


Total cost
10000
20000
30000
40000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
Holdout size
Est. cost
OHS
help("plot.optholdoutsize")


Total cost
0
5000
10000
15000
20000
25000
30000
35000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
Holdout size
μ(n)
μ(n) ± 3√ψ(n)
m(n)
d
help("plot.optholdoutsize_emul")


powerlaw(n)
0.4
0.6
0.8
1.0
1.2
1.4
1.6
2000
4000
6000
8000
10000
n
help("powerlaw")