

$X = G * \text{vec of runif}(2,2)$ , N in 500:500, N\_SNPS in 500:500, delta add in 1:1, dom in 10:10, epi in 10:10 and N\_real\_coeff in 10:10

dcor(X,G)

0.3  
0.2  
0.1  
0.0

9.9993

9.9995

9.9997

Value of N\_real\_coeff

**variable**

- dcor\_X\_from\_G\_plus\_noise
- dcor\_X\_not\_from\_G
- lm\_from\_G\_plus\_noise
- lm\_not\_from\_G