



Search Space  $\tilde{\Lambda}$

Name	Type	Bounds/Values	Trafo
◇ encoding	C	One-Hot, Impact	
◇ scaling	C	None, Standardize, Normalize, Quantile Transformation	
◇ learner	C	glmnet, SVM, Boosting	
<hr/>			
if learner = glmnet			
s	R	$[-12, 12]$	$2^x$
alpha	R	$[0, 1]$	—
<hr/>			
if learner = SVM			
cost	R	$[-12, 12]$	$2^x$
gamma	R	$[-12, 12]$	$2^x$
<hr/>			
if learner = Boosting			
eta	R	$[-4, 0]$	$10^x$
nrounds	I	$\{1, \dots, 5000\}$	—
max_depth	I	$\{1, \dots, 20\}$	—