Overview of surveyed SBO frameworks. The table shows the respective framework name, programming language and default infill criterion. (Expected Improvement - EI, Predicted Value - PV, Upper/Lower Confidence Bound - CB, PI - Probability of Improvement). This is followed by information whether EI/PV or other criteria are choosable, even if not as default setting.

Name	Language	Default Infill Criterion	EI	PV	Other	Version / Access Date	Links
SPOT	R	PV	yes	yes	yes	2.0.4	https://cran.r-project.org > package=SPOT
mlrMBO	R	СВ	yes	yes	yes	1.1.2	https://cran.r-project.org > package=mlrMBO
DiceOptim	R	EI	yes	yes	yes	2.0	https://cran.r-project.org > package=DiceOptim
CEGO	R	EI	yes	yes	yes	2.3.0	https://cran.r-project.org > package=CEGO
rBayesian Optimization	R	СВ	yes	yes	yes	1.1.0	https://cran.r-project.org > package=rBayesianOptimization
MIBayesOpt *	R	EI	*	*	*	0.3.4	https://cran.r-project.org > package=MlBayesOpt
ParBayesianOptimization	R	СВ	yes	yes	yes	0.2.0	https://cran.r-project.org > package=ParBayesianOptimization
SACOBRA	R	PV	no	yes	no	1.1	https://cran.r-project.org > package=SACOBRA
spearmint	python	EI	yes	no	?	Apr 2, 2019	https://github.com/HIPS/Spearmint
BoTorch	python	?	yes	yes	yes	Oct 21, 2019	https://github.com/pytorch/botorch
scikit-optimize /							
gp_minimize	python	EI PI CB	yes	no	yes	Oct 2, 2019	https://github.com/scikit-optimize/scikit-optimize/
GPyOpt	python	EI	yes	yes	yes	Sep 25, 2019	https://github.com/SheffieldML/GPyOpt
Bayesian Optimization	python	СВ	yes	no	yes	Aug 14, 2019	https://github.com/fmfn/BayesianOptimization
РуВО	python	EI	yes	no	yes	Sep 20, 2015	https://github.com/mwhoffman/pybo
MOE	python	EI	yes	no	no	Jan 10, 2017	https://github.com/Yelp/MOE
HyperOpt	python	EI	yes	no	yes	Oct 23, 2019	https://github.com/hyperopt/hyperopt
BayesOpt	C++	EI	yes	yes	yes	Aug 28, 2018	https://github.com/rmcantin/bayesopt
SMAC	java	EI	yes	?	yes	2.10.03	http://www.cs.ubc.ca/labs/beta/Projects/SMAC/
SMAC3	python	EI	yes	yes	yes	Sep 20, 2019	https://github.com/automl/SMAC3
SMT	python	EI	yes	yes	yes	Sep 22, 2019	https://github.com/SMTorg/SMT
pySOT	python	?	yes	?	?	Oct 10, 2019	https://github.com/dme65/pySOT
stats - bayesopt	matlab	EI	yes	no	yes		
gads - surrogateopt	matlab	PV	no	yes	no		https://github.com/yonghoonlee/SMBO_TeachingTool
Dakota	C++	EI	yes	?	yes	6.10	https://dakota.sandia.gov/
limbo	C++	СВ	yes	no	yes	May 29, 2019	https://github.com/resibots/limbo
tgp	R	EI	yes	?	?	2.4-14	https://cran.r-project.org > package=tgp