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citation	domain	features	predict what	predict how	predict when	portfolio
[Langley; Lan-	search	past perfor-	algorithm	hand-crafted and	offline and	dynamic
$_{ m [Carbonell}$	planning	mance problem	control rules	learned rules explanation-based rule	online online	dynamic
et al.]	)	domain fea-		construction		•
		tures, search statistics				
[Gratch and DeJong]	planning	problem domain fea-	control rules	probabilistic rule construction	online	dynamic
		tures, search statistics				
Smith and	software de-	features of	algorithms and	simulated annealing	offline	static
Setliff	sıgn	abstract representation	data structures			
$[\mathrm{Aha}]$	machine learn-	instance fea-	${ m algorithm}$	learned rules	offline	static
[Brodley]	machine learn-	instance and	algorithm	hand-crafted rules	offline	static
	ing	algorithm features				
[Kamel et al.]	differential	past per-	algorithm	hand-crafted rules	offline	static
	eduarions	iormance, instance features				
[Minton;	constraints	runtime per-	algorithm	hand-crafted and	offline	dynamic
Minton; Minton]		formance		learned rules		
[Cahill]	software de-	instance fea-	algorithms and	frame-based knowledge	offline	static
[	sign		data structures	base		•
[Tsang et al.]	constraints	instance fea- tures	1	1	ı	static
[Brewer]	software design	runtime per- formance	algorithms, data structures and	statistical model	offline	static
			their parameters			

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citation	domain	features	predict what	predict how	predict when	portfolio
[Weerawarana et al.; Joshi et al.]	differential equations	instance fea- tures	runtime perfor- mance	Bayesian belief propagation, neural nets	offline	static
[Borrett et al.]	constraints	search statistics	switch algorithm?	hand-crafted rules	online	static, static
[Allen and Minton]	SAT, constraints	probing	runtime perfor-	hand-crafted rules	online	static
[Sakkout et al.]	constraints	search statis- tics	switch algorithm?	hand-crafted rules	online	static
[Huberman et al.]	graph colour-	past perfor- mance	resource alloca-	statistical model	offline	static
[Gomes and Selman; Gomes and Solman]	constraints	problem size and past per- formance	algorithm	statistical model	offline	static
[Cook and Varnell]	parallel search	probing	set of search strategies	decision trees, Bayesian classifier, nearest neighbour,	online	static
[Fink; Fink]	planning	past perfor-	resource alloca-	statistical model, regression	offline	static
[Lobjois and Lemaître]	branch and	probing	runtime perfor-	hand-crafted rules	online	static
[Caseau et al.]	vehicle routing problem	runtime per- formance	algorithm	genetic algorithms	offline	static
[Howe et al.]	planning	instance fea-	resource alloca-	linear regression	offline	static
[Terashima- Marín et al.]	scheduling	instance and search features	algorithm	genetic algorithms	offline	dynamic

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citation	domain	features	predict what	predict how	predict when	portfolio
[Wilson et al.]	software de- sign	instance fea- tures	data structures	nearest neighbour	offline	static
[Beck and Fox]	job shop scheduling	instance feature changes during search	algorithm scheduling policy	hand-crafted rules	online	static
[Brazdil and Soares]	classification	past perfor- mance	ranking	distribution model	offline	static
$[{ m Lagoudakis} \ { m and} \ { m Littman}]$	order selection, sorting	instance fea- tures	remaining cost for each sub-problem	MDP	online	static
[Sillito]	constraints	probing	cost of solving problem	statistical model	offline	static
[Pfahringer et al.]	classification	instance features, probing	algorithm	9 different classifiers	offline	static
[Fukunaga]	TSP	past perfor- mance	resource allocation	performance simulation for different allocations	offline	static
[Soares and Brazdil]	machine learn- ing	instance fea- tures	ranking	nearest neighbour	offline	static
[Gomes and Selman]	constraints, mixed integer	past perfor- mance	algorithm	statistical model	offline	dynamic
[Cowling et al.]	scheduling	instance fea-	algorithm	hand-crafted rules, weights	online	static
[Epstein and Freuder; Epstein et al.; Erstein et al.;	constraints	variable characteristics	algorithm	weights, hand-crafted rules	offline and online	dynamic
Epstein et al., Epstein and Petrovic] [Lagoudakis and Littman]	DPLL branch- ing rules	instance fea- tures	remaining cost for each sub-problem	MDP	online	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Nareyek]	optimisation	search statis- tics	expected utility of algorithm	reinforcement learning	offline and online	l static
[Horvitz et al.]	constraints	instance and instance	runtime performance, restart	Bayesian model	offline and online	d static
		generator features, search statistics	parameters			
[Borrett and Tsang]	constraints	instance features, search statistics	redundant constraints to add	hand-crafted rules	offline	1
[Little et al.]	logic puzzles	instance graph fea- tures	instance model transformations for runtime per- formance	nearest neighbour	offline	1
[Petrovic and Qu]	scheduling	instance fea- tures	algorithm	case-based reasoning	offline	static
[Leyton- Brown et al.]	winner determination problem	instance fea- tures	instance hardness	several forms of regression	offline	static
[Fukunaga; Fukunaga]	SAT	variable characteristics	algorithm	genetic algorithms	offline	dynamic
[Yu et al.; Yu et al.; Yu et al.; Yu and Rauchwerger]	parallel reduction algorithms	instance fea- tures	algorithm	decision trees, general linear regression	offline and online	l static
[Ruan et al.]	SAT	instance fea- tures	restart policy	dynamic programming	offline	static
[Vrakas et al.]	planning	instance features	parameters	classification association rules	offline	dynamic
[Gno]	sorting, probabilistic inference	instance fea- tures	algorithm	decision tree, naïve Bayes, Bayesian net- work, meta-learning	offline	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Watson]	job shop scheduling	instance features, search statistics	local search algorithm	statistical model	offline and online	static
[Brazdil et al.]	machine learn- ing	instance fea- tures	ranking	nearest neighbour	offline	static
[Gebruers et al.]	bid evaluation problem	instance and instance graph fea-	solution method	nearest neighbour	offline	static
[Guerri and Milano]	bid evaluation problem	instance and instance graph fea- tures	solution method, algorithm	decision trees	offline	static
[Beck and Freuder]	scheduling	probing	algorithm	hand-crafted rules	offline	static
[Nudelman et al.; Xu et al.; Xu et al.]	SAT	instance features, probing	runtime perfor- mance	ridge regression, lasso regression, SVMs, Gaussian processes	offline	static
[Carchrae and Beck; Carchrae and Beck]	job shop scheduling	probing, search statis- tics	length of exploration phase, switch algorithm?	Bayesian classifier, reinforcement learning	offline and online	static
[Soares et al.]	machine learn- ing	instance fea- tures	ranking of SVM kernel widths	nearest neighbour	offline	static
[Guo and Hsu]	most probable explanation problem	instance features	algorithm	decision trees, naïve Bayes rules, Bayes net- works, meta-learning techniques	offline	static
[Gagliolo et al.]	search prob- lems	past perfor- mance	resource allocation	linear model	online	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Prudêncio and Ludermir]	machine learn- ing	instance fea- tures	ranking	decision trees and neural networks	offline	static
[Demmel for the start of the st	linear algebra	instance features	algorithm	multivariate Bayesian decision rule	offline	static
[Gebruers et al.]	constraints	instance fea- tures	problem model, solution strategy	nearest neighbour, decision trees, statistical	offline	static
[Petrik]	SAT	past perfor- mance	resource alloca- tion	analytic model, MDP	offline and	static
[Cicirello and Smith]	scheduling	past perfor- mance	algorithm	reinforcement learning	online	static
[Gagliolo and Schmidhuber]	1	past performance	resource alloca- tion	neural nets	online	static
[Armstrong et al.]	procedure calls	runtime per- formance	switch algorithm?	reinforcement learning	online	static
[Gagliolo and Schmidhuber]	SAT, auction winner determination problem	past perfor- mance	resource allocation	reinforcement learning	online	static
[Roberts and Howel	planning	instance fea-	resource alloca-	decision trees	offline	static
[Hough and Williams]	optimisation	instance, algorithm and environment features	algorithm	ensembles of decision trees, SVMs	offline	static
[Bhowmick et. al.]	linear systems	instance fea-	algorithm	boosting, alternating decision trees	offline	static
[Hutter et al.]	stochastic local search	instance fea-	runtime perfor-	ridge regression	offline	$_{ m dynamic}$
[Sayag et al.]	SAT	past perfor- mance	resource allocation	static model, probabilistic model	offline	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Ali and Smith]	classification	instance fea- tures	algorithm	decision rules	offline	static
[Cavazos and O'Bovle]	software de-	instance fea-	algorithm	logistic regression	offline	static
[Xu et al.]	SAT	instance fea- tures	satisfiability and runtime performance	sparse multinomial logistic regression, ridge	offline	static
[Pulina and Tacchella; Pulina and Tacchella; Pulina and Tacchella; Pulina and Tacchella;	QBF	instance features	resource allocation	decision trees, decision rules, logistic regres- sion, nearest neighbour	offline and online	static
[Samulowitz and Memise-	QBF	instance fea- tures	algorithm, confidence values	multinomial logistic regression	offline and online	static
[Wu and van Beek]	scheduling	1	portfolio	case-based reasoning	offline	dynamic
[Streeter et al.]	planning	past perfor- mance	resource allocation	statistical model	offline and online	static
[Wang] and $Tropper]$	simulation algorithms	past performance	control parameter	reinforcement learning	online	static
[Roberts] and Howe; Roberts et al.]	planning	instance fea- tures	runtime, probability of success	32 different algorithms	offline	static
[de la Rosa et al.; de la Rosa et al.; de la et al.; de la et al.; de la Rosa et al.]	planning	instance features	algorithm	case-based reasoning	online	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Steer et al.]	ı	fitness land- scape fea-	m algorithm	ı	offline	static
[Streeter and Smith]	SAT, integer programming,	instance fea- tures	resource allocation	statistical model	offline and online	static
[O'Mahony et al.; Bridge et al.]	constraints	instance features,	resource allocation	nearest neighbour	offline	static
	linear systems	instance features, search	algorithm	reinforcement learning	online	static
[Wei et al.]	SAT	search statis- tics	algorithm	hand-crafted rules	online	static
[Gagliolo and Schmidhuber]	SAT	past perfor-	resource alloca-	reinforcement learning	online	static
[Smith-Miles]	Quadratic Assignment Problem	instance features,	algorithm, run- time performance	neural networks and self-organising maps	offline	static
[Stergiou; Stergiou; Paparrizou and Stergiou]	constraints	search statis-	propagation method	clustering	online	static
[de la Rosa et al.; de la Rosa et al.]	planning	instance fea- tures	algorithm	decision tree	online	static
[Nikolić et al.]	SAT	instance features	search strategy	nearest neighbour	offline	static
[Stamatatos and Stergiou]	constraints	probing	propagation method	clustering	offline	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Arbelaez et al.; Arbelaez et al.]	constraints	instance features, search statistics	search strategy	SVM	online	static
[Haim and Walsh]	SAT	instance fea- tures	restart strategy and satisfiability	ridge regression, logistic regression	offline	static
[Bhowmick et al.]	linear systems	instance fea- tures	algorithm	nearest-neighbour, alternating decision trees, naïve Bayes, SVM	offline	static
[Gerevini et al.]	planning	past perfor- mance	macro actions, resource allocation	performance simulations for different allocations	offline	static
[Xu et al.]	constraints	instance fea- tures	algorithm	reinforcement learning	online	static
[Bougeret et al.]	SAT	past perfor- mance	resource allocation	static model	offline	static
[Smith-Miles et al.]	scheduling	instance fea- tures	algorithm	decision tree, neural networks, self-organizing maps	offline	static
[Leite et al.]	machine learn- ing	past per- formance,	ranking of classifi- cation algorithms	statistical model	offline and online	static
[Silverthorn and Miikku-	SAT	past performance	runtime perfor- mance	latent class models	offline	static
[Stern et al.]	QBF, combinatorial	instance and algorithm features	algorithm	Bayesian model	offline and online	static
[Garrido and Riff]	dynamic vehicle routing problem	runtime per- formance	combination of low-level heuristics	genetic algorithms	online	dynamic

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citation	domain	features	predict what	predict how	predict when	portfolio
[Domshlak et al.]	planning	state vari- ables	${ m algorithm}$	naïve Bayes classifier	online	static
[Kadioglu et al.]	SAT, mixed integer programming, set covering	instance features	algorithm	clustering	offline	dynamic
[Gent et al.]	constraints	instance features, probing	algorithm	decision trees	offline	static
[Gent et al.]	software de- sign	instance fea- tures	implementation	19 different classifiers	offline	static
[Kotthoff et al.]	constraints	instance features, probing	algorithm	ensembles of classifiers	offline	static
[Ewald et al.]	simulation algorithms	past performance	portfolio	genetic algorithms	offline	dynamic
[Elsayed and Michel; El- sayed and Michel]	constraints	instance features	search strategy	hand-crafted rules	online	dynamic
[Valenzano et al.]	search problems	1	algorithm	round-robin	online	static
$[ ext{Leite}]$ and $[ ext{Brazdil}]$	classification	past performance	ranking	statistical model	offline	static
[Aiguzhinov et al.]	classification	past performance	ranking	naïve Bayes	offline	static
[Kanda et al.; Kanda et al.]	$_{ m TSP}$	instance features	algorithms	nearest neighbour, decision tree, SVM, naïve Baves	offline	static
[Peng et al.]	numerical op- timisation	past perfor- mance	resource allocation	optimisation	offline	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Graff and Poli]	program in- duction	fitness function	runtime perfor- mance	regression	offline	static
[Fialho et al.]	genetic algorithms	past perfor- mance	algorithm	aggregation	online	static
[Tolpin and Shimonyl	constraints	search statis-	algorithm	hand-crafted rules	online	static
[Malitsky	SAT	instance fea-	${ m algorithm}$	nearest neighbour	offline	static
$[Kadioglu]_{eta}$	SAT	instance fea-	resource alloca-	nearest neighbour	offline	static
[Kroer and Malitsky]	SAT, con-	instance fea-	algorithm	clustering	offline	dynamic
[Kotthoff et al.; Kot-	SAT, QBF, constraints	instance features,	algorithm, runtime performance,	31 different machine learning algorithms	offline	static
[Gagliolo and Schmidhuber; Gagliolo and	SAT, QBF, constraints	probing past perfor- mance	resource allocation	reinforcement learning	online	static
Schmidhuber] [Gebser et al.]	Answer Set Programming	instance features,	runtime perfor- mance	$_{ m NNM}$	offline	static
[Xu et al.]	MIP	probing instance features,	algorithm	random forests	offline	dynamic
[Maturana et al.]	evolutionary algorithms	probing past perfor- mance	algorithm	statistical models	online	static
[Helmert et al.]	planning	past perfor- mance	resource allocation	statistical model	offline	static
[Kiziltan et al.]	constraints	instance fea- tures	resource allocation	8 classification algorithms, ridge regression	offline	static

citation	domain	features	predict what	predict how	predict when	portfolio
[Smith-Miles and Hemert]	TSP	instance fea- tures	algorithm	self-organizing map, decision tree, neural network	offline	static
[Prudêncio	machine learn-	instance fea-	ranking	nearest neighbour	offline	static
ev er.] [Hoffman et al.]	ms Bayesian Opti- mization	past perfor- mance	algorithm	multi-armed bandits	online	static
[Kotthoff]	SAT, QBF, constraints	instance features,	algorithm	5 regression algorithms, 2 classification	offline	static
[Yun and Ep-	constraints	instance fea-	portfolio	case-based reasoning,	offline	dynamic
[Hurley and OSullivan]	SAT	instance fea-	ranking	case-based reasoning with voting	offline	static
[Shukla et al.]	inventory rout-	past perfor-	portfolio	statistical model	offline	static
[Malitsky et.al.]	SAT	past perfor- mance	resource alloca-	nearest neighbour	offline and	static
[Bischl et al.]	optimisation	instance fea-	algorithm	$_{ m SVM}$	offline	static
[Veerapen et al.]	Quadratic Assignment Problem and	past performance	algorithm	statistical model	online	static
[Valenzano et al.]	planning	past perfor- mance	resource allocation	statistical model	offline and	static
[Hutter et al.; Hutter et al.]	SAT, MIP, TSP	instance fea- tures	algorithm performance	11 regression algorithms	offline	static
[Kanda et al.]	$_{ m TSP}$	instance fea-	ranking	neural networks	offline	static
[Kadioglu et al.]	MIP	instance features	algorithm	clustering	online	static

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citation	domain	features	predict what	at	predict how	predict when	portfolio
[Seipp et al.]	planning	past perfor-	· resource	alloca-	clustering and heuristic approaches	offline	static
[Maratea et al.; Maratea et al l	ASP	instance features			classification	offline	static
[Muñoz et al.]	optimisation	instance features, algorithm	runtime mance	perfor-	neural network regression	offline	static
[Park et al.]	software de-	parameters instance fea- tures	runtime	perfor-	$_{ m NNM}$	offline	static
[Morak et al.]	ASP	instance fea-			classification and re-	offline	static
[Sabharwal et al.]	$\operatorname{SAT}$	instance features	resource tion and	alloca- switch	nearest neighbour and decision tree classifica-	offline and online	static
[Abell et al.]	black-box opti- misation	instance fea-			clustering	offline	static
[Hutter et al.]	SAT, MIP, TSP	instance features and algorithm	algorithm perfor- mance	perfor-	random forests, linear regression, neural networks, Gaussian pro-	offline	static
[Musliu and	graph colouring	parameters instance fea-	· algorithm		six classifiers	offline	static
[Amadini et all	constraints	instance fea-	· algorithm		range of different ap-	offline	static
[Alhossaini [And Beck]	planning	instance fea-	. model		SVM	offline	static
[Seijen et al.]	reinforcement	past perfor-	abstraction		MDP	online	static
[Malitsky et al.]	SAT	instance fea- tures	algorithm		clustering	online	static

citation	domain	features	predict what	predict how	predict when	portfolio
[Mehta et al.]	constraints	instance fea- tures	algorithm	classification, regression and clustering	offline	static
[Malitsky et al.]	SAT	instance fea- tures	algorithm	clustering	offline	static
[Rayner et al.]	combinatorial search	probing	subset of algorithms	optimisation	offline	static
[Sun and Pfahrin <i>g</i> erl	machine learn-	past perfor-	ranking	pairwise rules and trees	offline	static
[Collautti et al.]	SAT	instance features, past	algorithm	nearest neighbour, random forests	offline	static
[Maratea	ASP	instance fea-	algorithm	PART decision rules	offline	static
[Wang et al.]	feature selection	instance fea- tures	algorithm	nearest neighbour and optimisation	offline	static
[King et al.; King et al.]	power systems	instance fea-	algorithm	neural net, decision tree random forest	offline	static
[Yuen et al.]	evolutionary	past perfor-	algorithm	linear regression	online	static
[Loth et al.]	constraints	past perfor-	algorithm	reinforcement learning	online	static
[Simon et al.]	software de-	instance fea-	algorithm	neural networks, deci-	offline	dynamic
[Geschwender et al.; Geschwen-	constraints	instance fea- tures	algorithm	decision tree, neural network, naive Bayes	offline	static
der et al.] [Amadini et al.]	constraints	instance fea- tures	algorithm, resource allocation	5 different classifiers	offline and online	static
[Cauwet et al.]	optimisation	past perfor- mance	resource allocation	statistical model	online	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Hoos et al.]	ASP, SAT, QBF, CSP	past perfor- mance	resource allocation	answer set program- ming	offline	static
[Hurley et al.]	ČSP (	instance fea- tures	instance encoding, algorithm	classification, regression, clustering	offline	static
$[{ m Kotthoff}]$	CSP, SAT, QBF	instance fea- tures	ranking	classification, regression, meta-learning	offline	static
[Tang et al.]	numerical op- timisation	past performance	algorithm portfolio	optimisation	offline	dynamic
[Fawcett et al.]	planning	instance features	runtime	regression	offline	static
[Amadini and Stuckey; Amadini et al.; Amadini Amadini et al.; Amadini et al.; Amadini et al.;	constraints	instance features	resource allocation	nearest neighbour	offline	static
[Blet et al.]	CSP	instance fea-	algorithm	M5P regression	offline	static
[Malitsky et al.]	Minimal Correction Subset	instance features, past	algorithm	nearest neighbour, random forests	offline	static
[Malitsky et. al.]	Minimal Correction Subset	instance fea-	resource alloca-	nearest neighbour, regression	offline	static
[Ansótegui et al.]	MaxSAT	instance features	algorithm	clustering	offline	static
[Malitsky and O'Sullivan]	$\begin{array}{c} \text{CSP,} \\ \text{MaxSAT,} \\ \text{SAT.} \end{array}$	instance features, past	algorithm	random forest and linear regression	offline	static
[Smith et al.]	classification	past perfor- mance	algorithm	collaborative filtering	offline	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Garbajosa et al.]	planning	instance fea- tures	algorithm	classifier ensemble	online	static
$\begin{bmatrix} \text{Pihera} & \text{and} \\ \text{Nysret} \end{bmatrix}$	TSP	instance fea- tures	algorithm	5 classifiers	offline	static
[St-Pierre and Teytaud]	Go	past performance	policy	static rule and reinforcement learning	offline and online	static
[van 'Rijn et al.]	machine learn- ing	instance fea- tures	algorithm	decision stumps, random forests	offline	static
[Lieder et al.]	sorting	instance features	performance	Bayesian regression	offline	static
[Lindauer]	ASP, CSP, SAT, QBF, OR	instance fea- tures	resource allocation	lots	offline	static
[Hoos et al.]	ASP	instance features	resource allocation	pairwise classification, regression, clustering	offline	static
[Sukhija et al.]	loop schedul- ing	instance fea- tures	${ m algorithm}$	classification	offline	static
[Stojadinovi and Mari]	CSP	instance fea- tures	algorithm	nearest neighbour	offline	static
[Shahriari et al.]	Bayesian Opti- mization	entropy	algorithm	multi-armed bandits	online	static
[Tierney and Malitsky]	container pre- marshalling	instance features, past performance	algorithm	hierarchical cost- sensitive clustering	offline	static
[Lindauer et al.]	SAT, QBF, ASP, container premarshalling	instance fea- tures	resource allocation	random forest pairwise classification, ridge regression, k-means clustering	offline	static
[Lindauer et al.; Lin- dauer et al.]	ASlib	instance fea- tures	resource allocation	pairwise classification, regression, clustering	offline	static

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citation	domain	features	predict what	predict how	predict when	portfolio
[Kotthoff et al.]	TSP	instance fea- tures	algorithm	classification, regression, pairwise regression	offline	static
[Sabar and Kendall]	combinatorial search	past perfor- mance	algorithm	reinforcement learning	online	static
[Oentaryo et al.]	SAT	instance features and past performance	ranking	stochastic optimisation	offline	static
[Chu and Stuckey]	constraints	instance fea-	algorithm	partial least squares re- gression	offline	static
[Balafrej et al.]	constraints	past perfor- mance	propagation method	multi-armed bandits	online	static
[Luo et al.]	stencil computation	instance fea- tures	solution space	multiple linear regression	offline	static
[Ilany and Gal]	multi-agent systems	instance fea- tures	runtime perfor- mance	linear regression, regression trees, neural network, multi-armed bandits	offline and online	static
[Everitt and Hutter; Everitt and Hutter]	search	instance fea- tures	runtime performance	analytical model	offline	static
[Amadini et al l	ASlib	instance fea-	resource alloca-	nearest neighbour	offline	static
[Phillips et al.]	search	past performance	resource allocation	multi-armed bandits	online	static
[Abseher et al.]	tree decomposition	instance fea- tures	ranking	linear regression, nearest neighbour, regression trees, neural network, SVM	offline	static

citation	domain	features	predict what	predict how	predict when	portfolio
[Palmieri et al.]	constraint programming	past perfor-	algorithm	statistical test	online	static
[Inala et al.]	SMT	past perfor-	encoding	pattern matching	offline	dynamic
[Mendes et al.]	games	instance fea-	algorithm	various classifiers	offline	static
[Bontrager	games	instance fea-	algorithm	hierarchical clustering	offline	static
Koitz and Wotawa; Koitz and	abductive diagnosis	instance fea- tures	algorithm	various classifiers	offline	static
	sum coloring	instance fea-	algorithm	hand-crafted rule	offline	static
[Kotthoff et al.]	subgraph isomorphism	instance features	algorithm	classification, regression, pairwise classification and	offline	static
[Degroote	ASlib	instance fea-	algorithm	regression random forest regres- sion	online	static
Gonard et al.]	ASlib	instance fea- tures	resource allocation	random forest and nearest neighbour regression	offline	static

Table I: Summary of the Algorithm Selection literature.

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