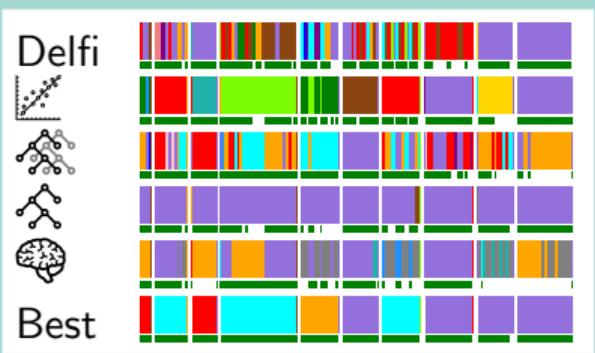
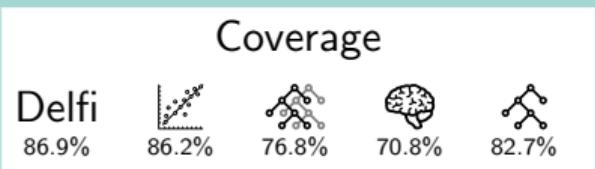


# Explainable online portfolios are competitive!



Explainable Planner Selection for Classical Planning  
Patrick Ferber and Jendrik Seipp  
University of Basel, Saarland University, Linköping University

		Performance							
		Linear Regression			MLP		Forest		
		0.0	0.1	1.0	2.0	5.0	3	5	50
PPDL	binary	79	77	82	82	81	87	78	85
	logtime	79	79	82	82	84	82	82	84
	time	79	82	80	80	80	82	85	82
PPDL, FPDOL, FAWCETT	binary	88	74	73	74	71	81	82	78
	logtime	82	84	78	78	80	78	80	82
	time	86	86	86	87	87	80	82	79
UNION	binary	81	76	73	74	71	78	80	80
	logtime	82	80	80	80	78	80	78	83
	time	82	82	81	79	79	78	78	80
PPDL	binary	75	81	79	82	81	85	78	82
	logtime	76	80	81	82	83	82	82	85
	time	75	77	76	76	77	84	84	84

		Planner Choices					
Usage	Cov <sub>p</sub>	Cov <sub>c</sub>	Planner				
43.7	80.1	94.4	SymBA*				
12.3	82.4	89.9	h2 + OSS + LM-Cut				
9.7	78.7	54.5	h2 + DKS + iPDB				
9.4	78.4	88.5	h2 + OSS + iPDB				
8.1	82.7	78.1	h2 + DKS + LM-Cut				
5.4	67.9	74.8	DKS + M&S-MIASM-DFP				
3.3	74.8	97.5	h2 + DKS + M&S-BS-sbMIASM				
2.8	65.9	86.6	h2 + OSS + M&S-SCC-DFP				
2.1	75.8	100	h2 + DKS + M&S-BS-SCC-DFP				
1.0	67.7	84.0	OSS + M&S-MIASM-DFP				

