

**2 Obtain dataset of stress-ng performance vectors for each machine, as well as the performance vector corresponding to the application.**

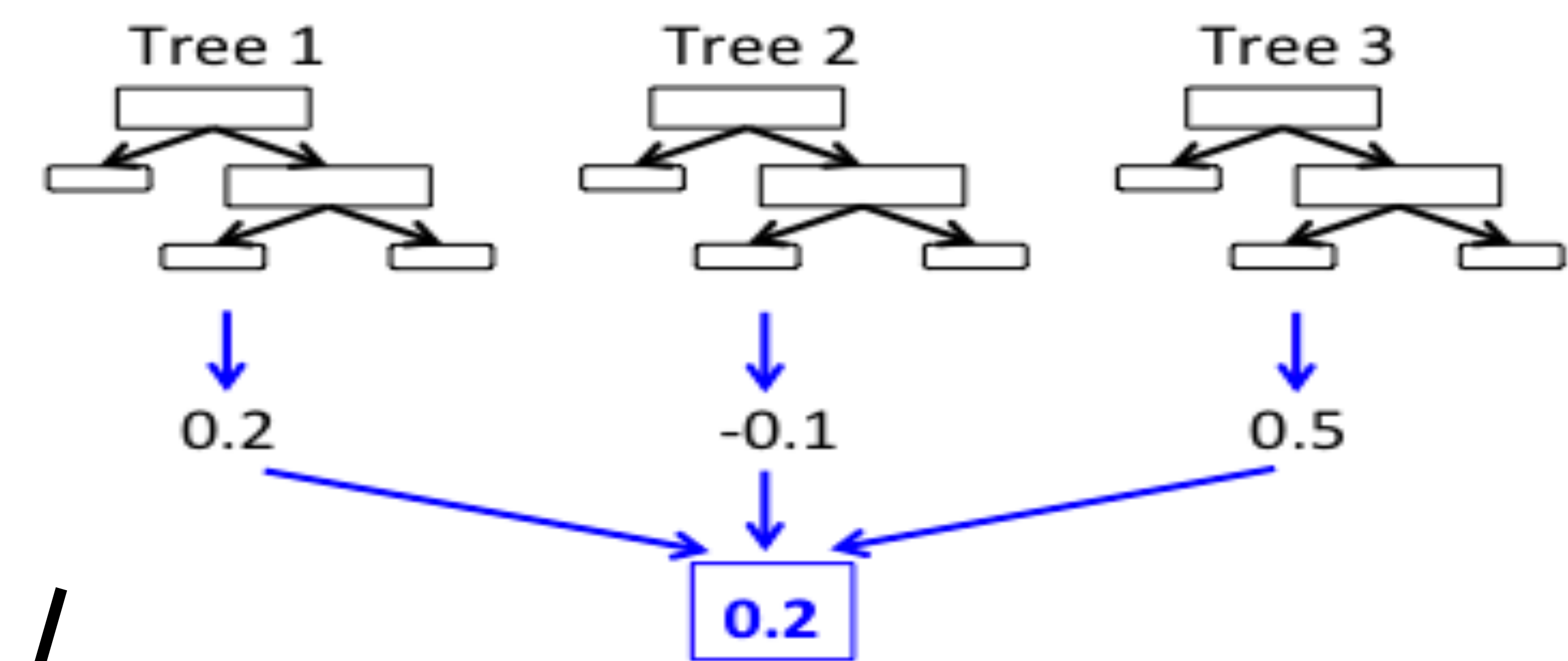


	machine	algebraic	atomic	bighesp	brkbrk	bsearch	cache
pc2200	q3uho.schedoc-pc2200.wisc.ccloudlab.us	7460.525535	680513.700493	37349.785746	692268.660698	369.432133	3.566657
	c220q2.q3uho.schedoc-pc2200.wisc.ccloudlab.us	7403.865310	682288.252459	36536.804958	662496.828441	370.318982	3.699981
	c6220.q3uho.schedoc-pc2200.ap7.emulat.net	11054.153981	564287.762689	11611.122370	303527.165342	308.353069	4.299511
	c6320.q3uho.schedoc-pc2200.clemson.ccloudlab.us	7757.281862	451002.732744	26667.601230	506820.492253	251.355372	3.066660
	c6220.q3uho.schedoc-pc2200.clemson.ccloudlab.us	7686.662436	450701.333302	27311.612889	511324.149306	251.630304	2.933328
	d2100.q3uho.schedoc.emulat.net	4293.823392	164771.809046	2025.253896	32467.221983	173.985188	41.668890
	d430.q3uho.Schedoc.emulat.net	4384.023699	164629.906329	1907.548357	34439.766613	176.327592	38.000148
	d530.q3uho.Schedoc.emulat.net	4350.648073	164493.974352	2005.794649	3232.1318362	175.592944	38.980118
	d710.q3uho.Schedoc.emulat.net	4336.095055	164679.217479	1915.892484	33937.858575	173.952279	40.566821
	d820.q3uho.Schedoc.emulat.net	4357.132861	164863.654692	1936.961068	31408.002412	173.915386	37.300231
pc3000	d360.q3uho.emulat-net.clemson.genieracks.net	6661.338910	433914.302217	26323.321728	478418.274642	320.914851	3.633361
	dwl1.soc.usc.edu	13223.031682	657467.782752	43978.646205	691672.362863	371.884756	11.266639
	isdsm-41	22839.765193	523305.954038	6005.803338	208221.311796	173.388412	19.533220
	m510.q3uho.schedoc-pc3000.utah.ccloudlab.us	7507.446956	531755.228805	46200.491393	767875.363427	299.498324	3.766648
	pc0400.q3uho.emulat-net.uky.emulat.net	9613.824407	380447.238981	9341.089105	17596.055692	236.164213	11.956658
	pc3000.q3uho.Schedoc.emulat-net.uky.emulat.net	4361.731547	164690.357913	2422.164826	37981.059613	176.258683	37.933498
	pc3300.q3uho.emulat-net.uky.emulat.net	7670.092317	409655.727577	9621.317555	17506.855832	229.030712	14.800006
	pc4400.q3uho.emulat-net.uky.emulat.net	7802.481602	409704.016410	11132.209174	180095.497098	229.222544	14.800010
	pc3500.q3uho.emulat-net.uky.emulat.net	7650.021945	409757.666632	10076.285587	189780.752001	228.245323	14.238500
	r320.q3uho.schedoc-pc3000.ap7.emulat.net	11054.577959	559096.745698	10020.669980	22615.731051	311.061257	3.966669
scruffy	r720.q3uho.schedoc-pc3000.ap7.emulat.net	11148.859688	560523.549808	13725.433750	328497.829508	308.742572	4.100001
	scruffy.soc.usc.edu	7841.064578	605547.922966	19078.094634	386265.637476	250.366584	6.099969

	zlog
	97.018433
106.484567	
72.519967	
94.091867	
89.742733	
168.191667	
186.899667	
186.231000	
186.652333	
186.823333	
131.970000	
62.879800	
138.094000	
118.962333	
107.150667	
190.184667	
113.941333	
115.111667	
113.377667	
72.187767	
71.971000	
112.679000	



**Create a prediction model via  
sklearn's gradient boosting. This  
produces a tree ensemble.**



**Execute the battery of microbenchmarks (stress-ng), as well as the application being profiled, on all the available machines.**

