

Setting up your goal

Satisficing and optimizing metrics

Another cat classification example

maximize accuracy	A 90% 80ms B 92% 95ms C 95% 1,500ms St = accaray - 0.5 x running Time Maximize accaray Suggert to running Time < 100 Ms.	optimizing			Soutistium
B 92% 95ms C 95% 1,500ms st = accaraay - 0.5 x running time Maximize accaraay	B 92% 95ms C 95% 1,500ms st = accaraay - 0.5 x running Time maximize accaraay Suggest to running Time \$ 100 ms.	Classifier	Accuracy	Running tim	ne
C 95% 1,500ms ost = accaray - 0.5 x running Time maximize accaray	C 95% 1,500ms ost = accaracy - 0.5 x running Time maximize accaracy suggest to running Time \le 100 Ms.	A	90%	$80 \mathrm{ms}$	
maximize accuracy	maximize accuracy Subject to running Time \$ 100 Ms.	В	92%	95 ms	<
maximize accuracy	maximize accuracy Suggeon to running Time & 100 Ms.	\mathbf{C}	95%	$1,500 \mathrm{ms}$	
Subject to running Times & 100 Ms.		moximize (accuracy		
				< 100 MS.	

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