













	D	ecision R	ule
Decision tab	Ne:		
	Decision	True hypothesis H	
	D	H_0	H ₁
	H_0	(H_0,H_0)	(H_0, H_1)
	H ₁	(H_1,H_0)	(H_1, H_1)
- 🔜 : Co - 📄 : Inc	rrect decision orrect decision	Ľ	
The pair (H	(i, j = (i, j)	0, 1) in the abov	e table means $D = H_i$





















			22		AND.
	Bayes	s' Decisio	on Rule	– Cost of	Errors
	 Motivat 	ion: cost of v	wrong deci	sions	
	<i>Cost functi</i> In many en on the deci	<i>ion:</i> gineering branche sion and the true l	es costs have to hypothesis.	be taken into acco	unt depending
		Decision	True hypothesis		
		D	H_0	H ₁	
		H_0	C ₀₀	C ₀₁	
		H ₁	C ₁₀	C ₁₁	
	Usually, th correct dec	e cost of making a ision:	a wrong decisio	n is higher than the	at of making a
		$C_{10} \ge C_{10}$	oo and	$C_{01} \ge C_{11}$	10
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