Decision	n Tree Reg	ressor	TT Christian	7+ 0	
	U		DT Classifica	DT Regres	Yor
			-> Entropy (gini	variance.	1 1
			-> Information you	n Variance r	eeluction
Experience	Carres Gap	Salary			
2	Yes	HOK			
2.5	Yes	42K			
3	No	52K			
4	No	60.K			
		(64			
4.5	Yes			40k,42k5	2K 60 K 56
Tyok	, 42K, 52K, 60K, 56K)	y = 50k			
	2			2 ( 2.5	
100	* 6	final aim is va	n'ance		
Yes	100	$\gamma$ c	duction. plit whichever		
~ (YoK)	(42k,52k,	leahure !	Donhure value		
	( 60K,56K)	0-400	enture value gives the highest feature reduction	1. (40,42)	
		( )	\		0,56
Variance	-12(4)	-yi) me	ansquar Error	Var(f(xoot)) = 6	0 · 8
· ·	n 121		<u> </u>	Var (left child)) = 1	- (100 + 64)
10000000	P(200)) = [	L. (4)	-10) <sup>2</sup> +(52-50) +		
Vallance (1		10-10) T(10	12+(66-50)		82
				Var (m)	13(4+
	= [ (100+	64+4+10	0+36)	= 46.6	6
	= 60.8			1-0-0	
		2			
Vaniance	(r.c) = 1	(40-10))			
100	- 100	-			
Vanana	$(R \cdot c) = 1$	127+2-1	- 10 <sup>2</sup> + 6 <sup>2</sup> )		
	- [	(64+4+10	10+36)		

