1 40 1 generalize ? es forms SAP Foot house in accuracy Anca of Capturing Jou Jesting accuracy. The model fails to reatorm well on both fraining a unseen data which Mean Squane francos. Yearing data means it hasn't leasured enough from the to carture 00,81 1200 1000 A model is under fitted when it model is ower-fitted when it is too complex, data. noise poice in fakts poice in well on spaining data but sails to to unseen data. the 2 46 by both low training 35 Error for the tollowing data low Josting accupacy. The model This is indicated by high froming and cutying 40 00 3 124 I pallenns understring pattern in INDOOR KU MYSK XAA MID is accunacy of data. This too Simple

27

Any model is under-filled on ower-filled

Mea	Mean Square Value too the tollowing dataset	he for	o the tall	owing data	sect,
1	Area of twise in squar bot	purcha Jan 125	pudchased 20,00 in Jak 125	n sood cled in Jains	led Price
ı	1000		35	24	
	1200		76	ex o	
	3400		58	w	
	1800		35	04	
1	cmpont numpt as no actual prices = no annot ([35,46,24,35]) medicled prices = no annot ([24,28,32,40])	m & - Lam 8 = ND.	s no somed ([35, 4	6,24,35])	
	MSe= nP·med MSe.	an ((ae	tual - 20,008 -	nese= nP·meon ((actual-Paices - Paccicled_ Paices)** 2) mse.	40'.00S)*
1	 				
Dee	Decision Tores	for	Tones for the fallowing dataset,	g dutaset.	
Example		Coust Size	ShaPe	Filling Size	class
61		aL.	Einele	Small	POSITIGE
53		M	Cirele	Small	Positive
E3	6,8	1	Square	Small	Negative
Ed	6,9		Triangle	Small	Negakioe
E3	8:8	4	Square	6.9	Positive
F6	Dans	M	Square	Small	Negakius
77		Monde	594000	Big	(

Negative

Small

Toiangle Circle

8,9

Big Small Small

E10

8,9

Square

Small

ER

Positive Positive No gatice

5,00000 Poust 1200 to Roo 6 : 30 Joes shape" 101810 B