

1 The Water								
70.	Obs	Xı	Xz	X3	Distance to (0,000)	Y	LA AYAT	
	l	0	3	0	3	Red	ADWAV	ns spoll
	2	2	0	0	2	Red		
	3	0	- Y400)-	3	√10 ≈ 31	Red		
	4	0	· Y////-	2	V5 = 2.2	Green		,
	5	-170	170 pin	1817 2-	V2 ~1.4	Ciran		
	6.		1		13 ≈ 1.7	ped.		
76.	(Ireen.	The obs	ervation	H5 is	the closest main	Nodals	for X=1	de
					,6 are the			
*					n and # b is			
10F-2016-1-10					dension born			He and
					that don't corre	V		
NT MAA					, the method by			
					ary that is us			
	Exercise					D VVY	test ()	
					· the predictors	and th	u respons	e is not linea
	(b). The	eve is on	intuo	er wh	ich is far from	th val	me predict	ed by the med
11/10/80	(J. The	he is om	observ	ation h	as high leverage. I	n that	the prediction	vor value for
	(d). Tl	this observ	vation nu of	is large	as high leverage. It	ther obs	u tunnel	shape -
		tes hate			. sinds maket	JAN AZ	MALY VO	wwl
- As han					versus predicted	1 Valve	s, a str	
Ere Panganan	In th	L residu	als Th	dicates	non-linearity	in the	data.	J
					in the plot are			ed.
					tern between Et			
		- Decisions		7 '			V	

$\sim$	The Ho
ì	For TV: - in the presume of radio and newspaper adversiting,
	TV adversiting does not affect sales.
	· For tadio: His the procence of Tr and newspaper adversiting,
	tadio adversiting does not affect sales
	· For newspaper: In the presence of TV and radio adversiting,
	newspaper adversiting does not affect sales, we can reject.
	Because the p-values of TV and radio < 0.0001, the their hull hypotheses
	So TV and radio adversiting can affect sales. The p-value of
	newspaper is 0.8599, we fail to reject 17th, and wwspaper
	adversiting does not affect salls.
3	a 40 bry: 50 + 20. gpa + 0.07. ig + 35. gender + 0.01. gpa-ig - 10. gpa-g-ander Y. XI XZ XZ XZ XZ
	When x3=0 ( Male)
	Y= 50+20 X1 + 0.07 X + 0.01 X1. X2.
	When X3=1 (Female)
	Y= 50+20X1 + 0.07 X2+35 + 0.01 X1 X2 - 10 X1.
	> When GPA is high anough, makes earn more on average
	= iii is colrect. Bay some
31	. Gender=1, IO=110, CIPA=4.0
	Salary = 50 + 20.4 + 0.07.110 + 35 + 0.01.4.110 - 10.4 = 137.1
30	. Fake. We need to see the p-value of the regression coefficient to
	know of the interaction is significant or not.
9	in the second