## PEMBAHASAN UAS STATISTIKA 2018/2019

-Diperingatkan bahwa jawaban belum tentu sepenuhnya betul-Selamat belajar!

treatment	2	5	2	Ч	2
no-treatment	2	1	3	3	
· x, = (2+	S + 2	tu t	2)/	5 =	3
$\cdot \tilde{x_2} = (2 +$	1 + 3	43 )1	4 = 藝	2,25	
· Si = (-1)2	+ 2 2	+ (-	1)2 +	12 +	$(-1)^2 = \sqrt{2} = 1.41$
V			Ч		
· S2 = (-0	125) <sup>2</sup>	<i>+</i> ( -	1,25)2	+01	752+01782 = V0191 = 0,95
			3		
· n, = 5		(	Sp <sup>2</sup>	= (5	-1)2 + (Y-1)0191
- n2 = 4					514-2
			Sp²	= <i>f</i>	153 =7 Sp = 1,24
·> Statistik U		/			
£ hit	<u> </u>	r, - j	(,	= _	$\frac{3-2.25}{24\sqrt{1+1}} = \frac{0.75}{(1.24)(0.67)}$
NOTE OF THE OWNER, THE	s.b	1/2	<u> </u>	le	24/1+1 (1,24)(0,67)
a contract of the contract of		Λυ,	η <sub>2</sub>		¥5 7
				_	= 0.75 = 0.9
					0,83
.) Daerah k	nhk				*
Ho a	itolak	: ji	KG		thit > to,025;7 = 2,364
			at		
				_	thit < - to, 025:,7 = -2,364
dengan hipo	tesa	H	o: 4	L, = .	M <sub>2</sub>
		4/,	: M	, +-	42
maka	H0	DITE	RIMA		
· Kesimpulan		kare			itenima, berark haril dan
					atment ataupun holak adalah
	S	ama	, seh	inggo	a serim tidak efektif

	Before	After	dj	dj <sup>2</sup>
J	30	2)	9	81
2	18	19	~/	1
3	32	22	10	100
Ч	32	25	7	49
5	19	15	У	16
	X.	-	29	247
	n			
· d = 1	. \( \frac{1}{2} \) dj =	1 (29	) = 5	-, 8
f	1 151	5		
· Sel = .	S diz -	1 ( 2 di	) 2	
	至dji-	h J=1		
	n	-1		
=	242 -1	(841)	- 1	78.8 = 119.3 = 44
	5		- W	$\frac{247 - 163.2}{4} = \sqrt{\frac{78.8}{4}} = \sqrt{\frac{19.7}{19.7}} = 4.43$
	4			7
5 Ho	M = M (=	=> 91.	"	1 /-> M A
		=> M, ~	M2 = 1	0 <=> Mo = 0
Ц,: -	4, 7 M2	*		
Ц,: -	4, 7 M2	*		
Ц,: -	4, 7 M2	*		13/Vs 1,98 = 0
H, : -	4, 7 M2	= <del>a</del> Sd/Vh	. = <u>\$</u> Y,4	1.8 = 5,8 = 2,929 13/55 1,98 =
H, : -	4, 7 42 Wi = thit	= a Sd/Vh	y, y ditolcek	.8 = 5,8 = 2,929 13/5 1,98 —
H, : -	4, 7 42 Wi = thit	= a Sd/Vh -P Ho	y,y  ditoler	18 = 5,8 = 2,929 13/5 1,98 = jira td/2; n-1 = 2,776 atau
H, : -	4, 7 42 Wi = thit	= \frac{1}{Sd/\(\text{Vh}\)} -\(\text{V}\) Ho	= s Y, M ditologk thit >	$1.8 = 5.18 = 2,929$ $131\sqrt{5} = 1.08$ $131\sqrt{5}$
H,: -	4, 7 M2  wii = thit	=	y,y ditologk thit >	$\frac{.8}{.8} = \frac{5.8}{.8} = \frac{2,929}{.8}$ $\frac{.8}{.8} = \frac{5.8}{.929} = \frac{2,929}{.929}$ $\frac{.8}{.8} = \frac{2,929}{.929}$ $\frac{.8}{.929} = \frac{2,929}{.929}$
H,: -	4, 7 42 Wi = thit	=	y,y ditologk thit > hit < 2,929	$.8 = 5.8 = 2,929$ $31\sqrt{5} = 1.98$ Jira $t_{d/2}; n_{-1} = 2.776$ $t_{d/2}; n_{-1} = -2,776$ $t_{d/2}; n_{-1} = -2,776$

3. Ho H, = H, = U3
H, = H, + H, + U3

 $\begin{array}{c} N=12 \\ SST: 76^2 + 78^2 + 80^2 + 78^2 + 79^1 + 73^2 + 79^2 + 80^2 + 86^2 + 86^2 \\ + 84^2 + 81^2 - 955^2 \end{array}$ 

= \$776 + 6084 + 6400 + 6084 + 5476 + 5329 + 6241 + 6400+ 7396+ 7396 + 7056 + 6561 - 912025

= 69312+73008+36800+73008+65712+63948 +74892+76800+88752+\$82752+84672 +78732-912025

= 914388 - 912025 = 2363

SSperile =  $\frac{312^{2}}{4} + \frac{366^{2}}{9} + \frac{337^{2}}{4} - \frac{953^{2}}{12}$ 

: 292032 + 280908 + 310707 - 912025

= 913647-91204

= 1612SSE = 2363 - 1612 = 741 d = 0.05

consent 2 1622 811 9,85060 0,4817

Error 9 741 82,33

rotal 11 2363

Fo > Ftabel make Ho ditolale

Analisis output 4. Lo Fungsi yg dipanggil adalah lm - linear model Cumbuk wil regresi dan korelas: ) · Hasil analisis 1) Eshmasi model regresi linear  $\hat{Y} = -22,99316 + 1,39567(x_1) + 0,21761(x_2)$ 2) Uji f (simultan). ·) Ho = B, = B, = 0 H, = ada B; \$0 , i=1,2 . n= jm1 kasus = 10 ·) fhit = 24,09 so k = jmi variabel · Ftabel = Fx ; jumlahvariabel - 1 ; (n-K-1) independent = 2 = F0.05; 2; 7 = 4,74 Lo 24,09 > 4,74 - Fhit > Ftabel Kesimpulan = Ho ditolok -> B, dan B2 signifikan secara bersama - sama 3) Koefisien determinas: (P2) P2 = 0,8732 → 87,32 % dan berat hewan (Y) dipenuh: secara bersama -sama oleh variabel X, dan xz. Sisanya (12,68 %) dipengamhi faktor lain

4) Uji korelas: (parsial)	
· Uji terhadap x,	
Ho = P = 0	+ hil > 2,364
H1 = P #0	Lo Ho ditolak -o ada korelas
t <sub>hit</sub> = 2,396	antara x,
ttabel = t0,025;7	dengan Y
= 2,354	

· Uji terhadap X2	
Ho = P = 0	t hit > 2,364
H,= P = 0	Lo Ho ditolak o ada korelus
thit = 3,767	antara K2
ttaber = t0,025;7	dengan y
= 2,864	
	-
· Predike berdt hewon bild	initial watcher 25 to deep
Prediks: berat hewan bila makanan yg dibenkan = 250 X, = 35	
makanan yg dibenkan = 250	
makanan yg dibenkan = 250 X, = 35	kg
makanan yg dibenkan = 250 X, = 35 x2: 250	(x1) + 0,21761(x2)
makanan yg dibenkan = 250	(x1) + 0,21761(x2)