Question 1	
The weight loss of 24 candidates and days spent by them in the diet regime were observed and tabu	ulated
nd the best line fit based on Least Square method. Y = b0+b1x	
stimate the days that one should spend at diet regime if he or she aims at 17 kg of weight loss.	
the last entry is incorrectly entered as 3.1 , 27 instead of 4.1 , 28 then find out the line of best fit b0+b1x	
problems d to h, use the corrected entry in c (Without using regression tool in data analysis toolpack)	
ind the coefficient of determination for the line fit. What does it tell you?	
/hat is the estimate of Standard deviation of the regression model?	
etermine Confidence interval for slope parameter with 98% confidence	
alculate MAD, MSD and MAPE in the line fit	
lot data and linear fit line	

Submission to include -Attach snapshot of Answers Cells N2 to N16 Attach snapshot of the Plot(s) Attach snapshot of your workings

Answers	
Intercept (b0)	4.987279
Slope (b1)	4.612689
timated Days for 17 kg los	83.40298
Intercept (b0)	4.25291
Slope (b1)	4.682193
Coeff of Determination	0.912284
Std Dev of model	5.661073
CI Lower Limit	3.9058
CI Upper Limit	5.4586
MSD	29.3771
MAD	4.486468
MAPE	11.08699

	Attach snapshot of your	workings											
SI No	Weight loss in Kg (x)	Days Spent in diet regime (y)		SI No	Weight loss (x)	days spent (y)	Weight loss in Kg X ²	Days Spent in diet regimeY ²	Weight loss in Kg (x)*Days Spent in diet regime (y)XY	SSxx	Ssyy	Ssxy	
1	5.50	26.00	İ	1	5.5	26	30.25	676		8.170069	307.7101	50.13993056	
2	10.10	49.00	1	2	10.1	49	102.01					9.506597222	
3	11.10	53.00	1	3	11.1	53	123.21	2809				25.93159722	
4	6.70	30.00	1	4	6.7	30	44.89	900	201	2.750069	183.3767	22.45659722	
5	1.50	11.00]	5	1.5	11	2.25	121	16.5	47.03674	1058.96	223.1815972	
6	10.50	51.00	1	6	10.5	51	110.25	2601			55.62674	15.97326389	
7	11.90	67.00	1	7	11.9	67	141.61	4489		12.5434	550.2934	83.08159722	
8	0.00	5.00	1	8	0	5	0		_		1485.46	322.1440972	
9	6.80	40.00	ļ	9	6.8	40	46.24					5.519097222	
10	7.10 8.50	41.00 36.00	1	10	7.1	41	50.41 72.25	1681 1296			6.460069 56.87674	3.198263889 -1.068402778	
11 12	11.40	55.00	ł	11	8.5 11.4	36 55	129.96	3025		9.251736	131.2934	34.85243056	
13	10.10	42.00	ł	13	10.1	42	102.01						
14	13.90	75.00	1	14	13.9	75	193.21	5625		30.71007	989.6267	174.3315972	
15	11.80	48.00	1	15	11.8	48	139.24	2304		11.84507	19.87674	15.34409722	
16	5.40	28.00	1	16	5.4	28	29.16					45.97743056	
17	4.80	25.00	1	17	4.8	25	23.04	625	120	12.66174	343.7934	65.97743056	
18	10.40	53.00]	18	10.4	53	108.16	2809		4.168403		19.31076389	
19	10.30	60.00		19	10.3	60	106.09					31.95659722	
20	3.70	29.00	1	20	3.7	29	13.69	841		21.70007	211.4601	67.73993056	
21	10.30	60.00	1	21	10.3	60	106.09					31.95659722	
22	11.00	55.00	1	22	11	55	121						
23	14.70	79.00	ł	23	14.7	79	216.09					224.8649306	
24	3.10	27.00	l	24 Total	3.1 200.6	27 1045	9.61 2020.72	729 53571	83.7 10321.4	27.65007 344.04	273.6267 8069.96	86.98159722 1586.9417	
				Mean Slope	8.3583 4.612688509	43.54	2020.72	33371	10021.4	311.01	0003:30	1300.3417	
				Intercept	4.987278549								
				3) Therefore	1586.941667 we find that the re	grassion an	uation is:						
	•				diet regime (y) = 4.			oss in Kg (x)					
					e days that one sh					17 kg of wei	ght loss.		
				Days Spent in When, weight	diet regime (y) = 4.	9873 + 4.61	.27 Weight I	oss in Kg (x)					
				Days spent in									
				Duys spent in	ance regime.								
				_									
			ı	Days	83.40298319								
			-		 								-
				SI No	Weight loss (x)	days spent (y)	Weight loss	Days Spent	Weight los	SSxx	Ssyy	Ssxy	
				1	5.5	26	30.25	676	143				
				2	10.1	49	102.01	2401	494.9	2.89			
				3	11.1	53	123.21	2809	588.3	7.29		25.425	
				4	6.7	30	44.89	900		2.89		23.09166667	
				5	1.5	11	2.25	121	16.5	47.61		224.825	
				6	10.5	51	110.25	2601	535.5	4.41		15.575	<u> </u>
				7 8	11.9 0	67 5	141.61 0	4489 25	797.3 0	12.25 70.56		81.95833333 324.1	-
				9	6.8	40	46.24	1600		2.56		5.733333333	
				10	7.1	41	50.41	1681	291.1	1.69		3.358333333	
				11	8.5	36	72.25	1296	306	0.01			
				12	11.4	55	129.96	3025	627	9		34.25	
				13	10.1	42	102.01	1764	424.2	2.89			
				14	13.9	75	193.21	5625	1042.5	30.25			
				15	11.8	48	139.24	2304		11.56			
				16 17	5.4	28 25	29.16 23.04	784 625	151.2 120	12.96	L-12.0-103	46.75 66.9	
								1 023	1 120	12.90	J4J.J4U3	00.9	
						53		2809	551 2	4	88,67361	18.83333333	
				18	10.4	53 60	108.16	2809 3600		4 3.61		18.83333333 31.19166667	
				18	10.4			3600	618		269.5069	31.19166667	

21	10.3	60	106.09	3600	618	3.61	269.5069		_	
22	11	55	121	3025	605	6.76	130.3403	29.68333333		
23	14.7	79	216.09	6241	1161.3	39.69	1254.34	223.125		
24	4.1	28	16.81	784	114.8	18.49	242.8403	67.00833333		
Total	201.6	1046	2027.92	53626.00	10352.50	334.48	8037.83	1566.10		
Mean	8.4	43.58333								
Slope	4.682193255									
Intercept	4.25290999									
Sxx	334.48									
	8037.83									
Syy										
Sxy	1566.10									
a) Therefore	6: 4 4 4 4 4 4 4 4 4		tian in						\vdash	
	we find that the re									
Days Spent in	diet regime (y) = 4.	6821 + 4.25	29 Weight i	oss in Kg (X)						
Slope bi	Ssxy/SSxx	4.612689								
Intercept (b0)		4.987279								
		4.25291								
Therefore, we	find that the regre	ssion equat	ion is: Days	Spent in die	et regime (y)	= 4.2529 +	4.6822 Wei	ght loss in Kg		
	efficient of determ (Sxx*Syy).That me					ned by the v	weight loss.			
R-sq	0.955135339									
R2	0.912283516									
									-	
									-	
e)		^_		Sxy^2	1				-	
As given above	e the error variance	$\sigma^2 =$	=(Syy -	$\frac{Sxy^2}{Sxx}$) *					⊢	
				Sxx'	n-2				<u> </u>	
				r=a . · · · ·						
sdv2				(F91-((F92*	*F92)/F90))*	(1/(E85-2))				
Std erro			5.661073							
f Determine C	onfidence interval	for slone n	arameter	th 98%		-	_	$\hat{\sigma}^2$		
. Determine C	omidence micervan	ioi siope pe	arameter wi	111 3070		(β	$\bar{+}t_{n-2,\alpha/2}$	$2\sqrt{\frac{S}{Sxx}}$		
								Voca		
(1- α)%	is the confidence	interval for	population	slope						
Where alpha =	1 - 0.98 = 0.02									
=too oo	2,5083									
22,0.01	98% CI : (3.9058,									
							i			
	5.4586)									
Upper	5.4586) 5.4586									
	,									
Lower	5.4586 3.9058									
Lower	5.4586	ı MAD = Σ	y - Predicte	d y / n MA	PE = Σ y -	Predicted y	/n*100			
Lower	5.4586 3.9058	ı MAD = Σ	y - Predicte	d y / n MA	PE = Σ y -	Predicted y	/ n * 100			
Lower	5.4586 3.9058	MAD = Σ	y - Predicte Abs Dev		PE = Σ y -		/ n * 100			
Lower	5.4586 3.9058			Square dev	Abs Percent		/n*100			
g) . MSD = Σ(y x 5.5	5.4586 3.9058 - Predicted y)^2 / r	yfit 30.005	Abs Dev 4.005	Square dev 16.04003	Abs Percent 15.40385		/n*100			
ELOWER (g) . MSD = Σ(y) × 5.5 10.1	5.4586 3.9058 - Predicted y)^2 / r y 26 49	yfit 30.005 51.54312	Abs Dev 4.005 2.54312	Square dev 16.04003 6.467459	Abs Percent 15.40385 5.190041		/n*100			
g) . MSD = Σ(y × 5.5 10.1 11.1	5.4586 3.9058 Predicted y)^2 / r y 26 49 53	yfit 30.005 51.54312 56.22532	Abs Dev 4.005 2.54312 3.22532	Square dev 16.04003 6.467459 10.40269	Abs Percent 15.40385 5.190041 6.085509		/n*100			
x 5.5 10.1 11.1 6.7	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30	yfit 30.005 51.54312 56.22532 35.62364	Abs Dev 4.005 2.54312 3.22532 5.62364	Square dev 16.04003 6.467459 10.40269 31.62533	Abs Percent 15.40385 5.190041 6.085509 18.74547		/n*100			
g) . MSD = Σ(γ. x	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11	yfit 30.005 51.54312 56.22532 35.62364 11.2762	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909		/n*100			
g) . MSD = Σ(γ x 5.5 10.1 11.1 6.7 1.5 10.5	5.4586 3.9058 Predicted y/^2 / r y 26 49 53 30 11 51	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255		/n*100			
g) . MSD = Σ(y x 5.5 10.1 11.1 6.7 1.5 10.5 11.9	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093		/n*100			
x 5.5 10.1 11.1 6.7 1.5 10.5 10.9	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093		/n*100			
x 5.5 10.1 11.1 6.7 1.5 10.5 10.9 0 6.8	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5 40	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035		/n*100			
g) . MSD = Σ(y 5.5 10.1 11.1 6.7 1.5 10.5 10.5	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073		/n*100			
g) . MSD = Σ(y 5.5 10.1 11.1 6.7 1.5 10.5 11.9 0 6.8	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5 40	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556		/n*100			
S). MSD = Σ(y S.5.5 10.1 11.1 6.7 1.5 10.5 11.9 0 6.8 7.1	5.4586 3.9058 - Predicted y/^2 / r y 26 49 53 30 11 51 67 5 40 40	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516 2.62998	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556 4.781782		/n*100			
Lower S_{3} . MSD = $\Sigma(y)$ S_{4} . S_{5} . S_{5} . S_{5} . S_{6}	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5 40 40 41 36	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652 44.0516	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556		/n*100			
g) . MSD = Σ(y 5.5 10.1 11.1 6.7 1.5 10.5 11.9 0 6.8 7.1 8.5 11.4	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5 40 41 36 55	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652 44.0516 57.62998	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516 2.62998	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556 4.781782 22.72171		/n*100			
g). MSD = Σ(y) (5.5 10.1 11.1 6.7 1.5 10.5 11.9 0 6.8 7.1 8.5 11.4 10.1	5.4586 3.9058 3.9058 7 9 26 49 53 30 11 51 67 5 5 40 41 36 555 42	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652 44.0516 57.62998 51.54312 69.33548	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516 2.62998 9.54312 5.66452	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795 91.07114 32.08679	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556 42.72171 7.552693		/n*100			
z). MSD = Σ(y < 5.5 10.1 11.1 6.7 1.5 10.5 11.9 0 6.8 7.1 8.5 11.4 10.1 13.9 11.4	5.4586 3.9058 Predicted y/^2 / r y 26 49 53 30 111 51 67 5 40 41 36 55 42 75 48	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652 44.0516 57.62998 51.54312 69.33548 59.50286	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516 2.62998 9.54312 5.66452 11.50286	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795 91.07114 32.08679 132.3158	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556 4.781782 22.72171 7.552693 23.96429		/n*100			
Lower $(S, S, S$	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5 40 41 36 55 42 75	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652 44.0516 57.62998 51.54312 69.33548 59.50286 29.53678	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 8.0516 2.62998 9.54312 5.66452 11.50286 1.53678	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795 91.07114 32.08679 132.3158 2.361693	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 14.942 9.77035 8.545073 22.36556 4.781782 22.72171 7.552693 23.96429 5.4885		/n*100			
(S) MSD = Σ(y) (S) MSD = Σ(y) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5 40 41 36 55 42 75 48 48 28	30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 44.0516 37.49652 44.0516 57.62998 51.54312 69.33548 59.50286 29.53678 26.72746	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516 2.62998 9.54312 5.66452 11.50286 1.53678 1.72746	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 12.27437 64.82826 6.926795 91.07114 32.08679 132.3158 2.361693 2.984118	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556 42.72171 7.552693 23.96429 5.4885 6.90984		/n*100			
z). MSD = Σ(y < 5.5 10.1 11.1 6.7 1.5 10.5 11.9 0 6.8 7.1 8.5 11.4 10.1 13.9 13.9 14.9 15.9 16.8 17.1 8.5 11.4 10.1 10.5 11.4 10.1 10.5 11.4 10.1 10.5 11.4 10.1 10.5 11.4 10.5 11.4 10.5 11.4 10.5 11.4 10.5 11.4 10.5 11.5	5.4586 3.9058 - Predicted y/^2 / r y 26 49 53 30 111 51 67 5 40 41 36 55 42 75 48 28 28 25 53	yfit 30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652 44.0516 57.6298 51.54312 69.33548 59.50286 29.53678 26.72746 52.94778	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516 2.62998 9.54312 5.66452 11.50286 1.53678 1.72746 0.05222	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795 91.07114 32.08679 132.3158 2.361693 2.361693	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510099 4.737255 10.49093 14.942 9.77035 8.545073 22.36556 4.781782 22.72171 7.552693 23.96429 5.4885 6.90984 0.098528		/n*100			
Lower $S_{\rm S}$, MSD = $\Sigma(y)$ ($S_{\rm S}$, $S_{\rm S}$	5.4586 3.9058 Predicted y)^2 / r y 26 49 53 30 11 51 67 5 40 41 36 55 42 75 48 28 28 25 53 60	30.005 51.54312 56.22532 35.62364 11.2762 53.416 59.97108 4.2529 36.09186 37.49652 44.0516 57.62998 51.54312 69.33548 59.50268 29.53678 26.72746 52.247785	Abs Dev 4.005 2.54312 3.22532 5.62364 0.2762 2.416 7.02892 0.7471 3.90814 3.50348 8.0516 2.62998 9.54312 5.66452 11.50266 1.72746 0.05222 7.52044	Square dev 16.04003 6.467459 10.40269 31.62533 0.076286 5.837056 49.40572 0.558158 15.27356 12.27437 64.82826 6.916795 91.07114 32.08679 132.3158 2.361693 2.984118 0.002727 56.55702	Abs Percent 15.40385 5.190041 6.085509 18.74547 2.510909 4.737255 10.49093 14.942 9.77035 8.545073 22.36556 4.781782 22.72171 7.552693 23.96429 5.4885 6.90984 0.098528 12.53407		/n*100			
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5.40	28.00
4.80	25.00
10.40	53.00
10.30	60.00
3.70	29.00
10.30	60.00
11.00	55.00
14.70	79.00
3 10	27.00

10.1	42
13.9	75
11.8	48
5.4	28
4.8	25
10.4	53
10.3	60
3.7	29
10.3	60
11	55
14.7	79
4.1	28

			11.00	55.00		11	55						
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n L	24 4.612688509	24		=COUNT(x)									\vdash
b		5.661073		=SLOPE(y,x) =STEYX(y,x)									
S _{y·x} S _x	3.867581726	3.813477		=STDEV(x)									
S _b	0.314763408	0.309538		$= s_{yx} / (s_x * SQRT)$	n-1))	Using pool	ad arror var	iance					
30	0.514705400	0.303330		- syx / (sx sq.) (//	S _{Res} ²	33.06685		= ((n2)s	.2+(n2)s	l 2 ²)/(n ₁ +n ₂ -4)		
•	0.44146308			= SQRT(s _{b1} ² +s _{b2} ²)			0.441559	l .	- c *SORT	[11/le 2/n -	1))+1/(s _{x2} ² (n ₂ -1)]	1)	
S _{b1-b2} t	-0.157441811			$= (b_1 - b_2)/(s_{b1-b2})$		S _{b1-b2}	-0.15741		$= (b_1 - b_2)/(s$	1	1//· 1/(3 _{x2} (11 ₂ -1/)	,	$\overline{}$
df	44			$= n_1 + n_2 + n_3 + n_4 + n_$		df	44		$= n_1 + n_2 - 4$	b1-b2/			$\overline{}$
alpha	0.02			- 111112-4		alpha	0.05		- 111112-4				
p-value	0.875616954			= TDIST(t ,df,2)		p-value	0.875644		= TDIST(t	,df,2)			
t-crit	2.414134368			= TINV(α,df)		t-crit	2.015368		= TINV(α,df)			
sig	no			= yes if p-value <	α	sig	no		= yes if p-v	alue < α			\vdash
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