







REGNO. SSTSOK SBM SO4 in either Carfidence interval for Stope B. B-B. < typ 15 a (1-x) 100 % Carpectace I. tup < Bi-bi < top - tay Se / = < Bips < tay Se / /sv B. - top Se Vsxx CB < B+ top SeV/sxx is the (1-d) 100% Confidence acternal for B. Where t has n-2 of. test for Ho Bi=0 (Recall ANDIA) 16: B=0 YJ H, B=0 Vest Statistics F = SS (Regression)/n-1 = MSReg SS Enor/n-2 = MSE Rejection Region: with of =1 df-n-2, reject the of F>Fox SSRey = = (9-y)2 SSE = = (4i-y)2 Orfidence Intervalfor Intercept Bo

Dis = Se I + 12 - 5xx The (-x) 100% Conficience roterval for Bo is given by Bo + tap SeV ++ x for twith n-2 of. Alternine the 95% CI for B. for example 1.1.

(Write on both sides of the paper REG No. Question	Do not write in either
_	Inference about the Correlation coefficient I yx	margin
_	The t statistic for B. Can be expressed in terms	
	of r as follows	
-	t=	
	S/V=(Ki-xi)2	
0	$t = \gamma - \sqrt{n-2}$	
	1 1 1 - ryx	
_	The sample correlation have is the basis for estimation	
-	and significance testing of the population forrelation of	yx
	Hypotlesu	
	Case1: Ho Jyx & Vs. He Jry >0	
_	Case 2: Ho fyx >0 Vs. Ha fyx 0	
-	Case 3: Ho ggs =0 Vs. Hi ggs =0	
	Time Series T.S. t= Kyz Vn-2	
8	VT-r2yx	
	Ria with n-2 of and type I error proportilly or,	
-	1. 1. > tw	
-	2. 1+1>tax	
	2. t < -ta 3. It > tap Check assumptions and draw conclusions	
	Exercise	
	JOILPH: 3.3 3.4 3.4 3.5 3.6 3.6 3.7 3.7 3.8 3.8	
	Grant Red: 17.78 21.59 2384 15.13 23.45 20.87 17.78 20.09 17.78 12.46	
	P. Examine the scotter peop and clocide whether a strught	
	line is reasonable model: Is regression significant?	
(Predict the grante regardation for a study of A.O	Xte
(My Predict the growth regardation for a doll PH of A.O	

