Las	09	-	Corre	lations	by	Hund

0	X	, 7) x - x	(x- <u>x</u>)	у	ı y	(y-ÿ)	(y-y) ²	(x-x)(x-y	
	587000	666100	-79100	6256810000	148779	209408.333	-60629,353	3675916060	4795780247	
	706600	666100	40500	1640250000	265632	209408.333	56223,467	3161100693	22770585 00	
	625300	666100	- 40860	1664640000	203085	269408.333	~6323, <i>3</i> 33	39784544.4	25799 2000	
bc bc	680000	666100	13900	193210000	27505G	209708.333	15647.667	244849473.2	217562567	
were may as a	634000	666 100	-32100	1030410000	191423	209408.333	-17A85.333	323472213.9	577329199	
Lewis	700000	(ddel00	33900	1149210000	221912	209408.333	1250 3.667	156341680.9	423874301	
	722000	666100	55900	3124810000	222431	204408.333	13022.667	169589848	727967069	
100	657000	666100	-9100	\$2\$10000	199999	209408.333	-13409,333	179810219.4	122024933	
v I	693000	666100	16900	285616000	210358	209408333	949,667	901866.8	16049367.2	
	£x = 5994900	1		2y=	1884475	J = 9415578203				
	X=666100				209408333					
		4	$(y-\bar{x})^2 =$	15427760000		E(4-97 = 7951946401				
		(5)	Š ² =	1929470000	52. = 993995825.1					
			Sx = 4	13914,34845	Sy = 31521. 69933					
A2004										
	r= 2 (x-	x)(y-y) + 9	1415578203	9415578203850					
	(n-1) Sysy (8) (43914.34845) (31527.69433 11076146995									
	r ² = .723									
	V=9-2=-7 m 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2									
	t= [.85 .85 .85 .85 4.25									
	1-12 1-723 7777									
	7 7 7 7 1.040									

There is a strong positive correllation (F=.85, p=.004) between population and turnout.

Population explains 72.3% of the variation in turnout. Layer districts have large number of voters who show up to the polls.

2	×	×	X-X,	(x-x)2	y- 9	(x-x)(y-y)			
	1	.333	.667	.444889	-60629.333	-40439.765			
	0	. 333	-,333	. 110889	-56223.667	7/8722.43/			
	1	,333	.667	.444889	-6323.333	-4217.6613			
	0	.333	-,333	.110889	15647.667	-5210.673			
	١	.333	.667	.444889	-1785.333	-1199 (e.217			
	0	.333	-, 333	,110889	12503.667	-4163.721			
	0	. 333	-,333	. 110889	13022.667	-4336548			
	0	,333	-333	,110887	-13409.333	4465.308			
	0	.333	333	.110889	949.667	-316,239			
Į.	ξ= 3								
	x=.333 5 ² =.25000013								
	S = .500								
	r= \(\frac{2}{x}\)\(\frac{1}{y}\) -84938674								
	(n-1) 5, 5, (8)(,5)(31527,69933) 126110.797								
	r2= .432								
	V=9-Z=7								
	+6746748.306								
	$\frac{1-r^2}{\sqrt{7}}$ $\frac{1432}{7}$ $\frac{.568}{7}$.08114 286								
		V	•	4					
	There is a store receive were Within (== -674 = 100)								
	There is a strong negative correllation (r=674, 7 2,001) between yorky and tomost.								
	Party accounts for 43.2% of the vonition in turnout. Democrate races in 2012								
	had lower absolute prinout than those when Republicans was.								

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3	There is a positive releborship between price and engine size - loss with
	larger organs are more expesive. This is a positive association, and
	may be moderate. The trail line is a desert but not parkets fit he
	the class.
9	Tree is a regative relationship between price and miliage - to some exent,
	Chape are have better freel efficiency. However, the had like is not
	a particularly good fit for the data. The relationship is likely module.