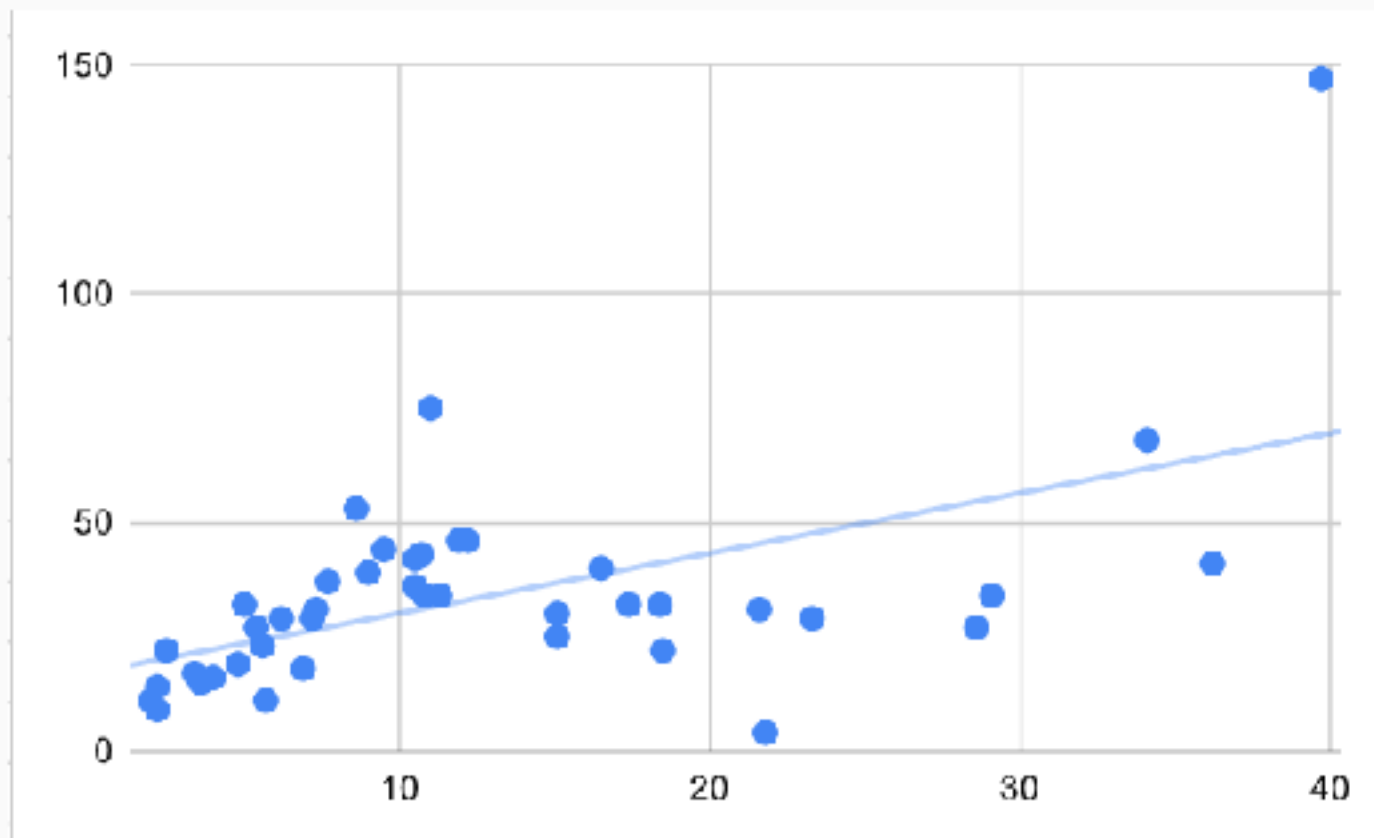


x data (year)	y data (pop^1000)	linear expected	linear residual	(O-E)^2/E	exp expected	exp residual	(O-E)^2/E				
1	285							logest	1.01	285.80	
2	287	290.01	3.01	0.03	287.85	0.85	0.00	prediction 2040	469.89	schools needed	234.94
3	291	293.20	2.20	0.02	289.87	-1.13	0.00	Exponential = 285*(exp(50*r))			
4	295	296.39	1.39	0.01	293.91	-1.09	0.00				
5	299	299.58	0.58	0.00	297.95	-1.05	0.00				
6	303	302.77	-0.23	0.00	301.99	-1.01	0.00		slope	intercept	
7	306	305.97	-0.03	0.00	306.03	0.03	0.00	linest	3.19	283.62	
8	311	309.16	-1.84	0.01	309.06	-1.94	0.01	prediction 2040	444.61	schools needed	222.31
9	313	312.35	-0.65	0.00	314.11	1.11	0.00		step 4	difference in schools needed	13

28	375	373.00	-2.00	0.01	371.68	-3.32	0.03				
29	380	376.19	-3.81	0.04	378.75	-1.25	0.00				
30	378	379.39	1.39	0.01	383.80	5.80	0.09				
			linear fit has lower chi^2 value								
		step 5		-1.98							-1.99

Linear = 285 + (50)*slope	444.6106785	444610.6785	222.3053393	schools
Exponential = 285*(exp(50*r))	462.8898891	462889.8891	231.4449446	schools

LINEST	slope	intersept	Equation		
	3.192213571	283.6206897		Linear = 285 + (50)*3.1922	
				Estimation	444,000.61
LOGST	slope	intercept	Equation		
	1.009700001	285.8025237		↓	
			Exponential=	285*(20(50*0.009700000502))	
	growth rate=	1.001			
		Linear		20 year estimatic	2764000.5
		222.000305	222 schools		
		Exponential			
		1382.00025	1382 schools		



Before getting rid of the bad data the standard error was 19.47, but after removing the bad data the standard error is now 13.76.

			Residuals	Significance
1.292858928	17.49468822			
0.3145349688	4.996528127		-3.489586423	0.1792217419
0.2969535083	19.47077618		-14.22315196	0.7304871583
16.8952416	40		-4.930293031	0.2532150227
6405.17405	15164.445		-9.55029803	0.4904939558
			-24.38672499	1.252478318
			-6.418822323	0.3296644296
			-43.28386357	2.223016852

