

Temperature	Price of ice cream	Units sold
20	10	12
26	20	15
30	25	10
35	30	20
38	35	25
40	50	20
45	60	10

Correlation of temperature and units sold	0.285971195
Correlation of temp and price of ice cream	0.961492616

	Temperature	Price of ice cream	Units sold
Temperature	1		
Price of ice cream	0.961492616	1	
Units sold	0.285971195	0.108010215	1

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.978788698
R Square	0.958027316
Adjusted R Square	0.937040974
Standard Error	2.167473771
Observations	7

ANOVA					
	df	SS	MS	F	Significance F
Regression	2	428.9225155	214.4612578	45.65003842	0.001761706
Residual	4	18.79177019	4.697942547		
Total	6	447.7142857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	13.57889065	2.942880213	4.61415	0.00992463	5.40814529	21.75	5.408145288	21.74963602
Price of ice cream	0.470532124	0.051490746	9.1381881	0.00079581	0.32757089	0.613	0.327570894	0.613493354
Units sold	0.274333722	0.153400347	1.7883514	0.14823496	-0.15157392	0.7	-0.151573921	0.700241366

Periodic Sampling	Random Sampling
26	45
35	30
40	45

