

```

REGRESSION
/DESCRIPTIVES MEAN STDDEV CORR SIG N
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA CHANGE
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT Drownings
/METHOD=ENTER Rain
/METHOD=ENTER Temperature
/METHOD=ENTER Temp_Rain.

```

Regression

Descriptive Statistics

	Mean	Std. Deviation	N
Number of reported drownings	18.0833	6.48680	36
Average monthly rainfall	4.1208	3.16960	36
Average monthly temperature	58.8056	22.75562	36
Temp_Rain	196.7000	129.98746	36

Correlations

		Number of reported drownings	Average monthly rainfall	Average monthly temperature
Pearson Correlation	Number of reported drownings	1.000	-.729	.835
	Average monthly rainfall	-.729	1.000	-.651
	Average monthly temperature	.835	-.651	1.000
	Temp_Rain	-.635	.861	-.331
Sig. (1-tailed)	Number of reported drownings	.	.000	.000
	Average monthly rainfall	.000	.	.000
	Average monthly temperature	.000	.000	.
	Temp_Rain	.000	.000	.024
N	Number of reported drownings	36	36	36
	Average monthly rainfall	36	36	36
	Average monthly temperature	36	36	36
	Temp_Rain	36	36	36

Correlations

		Temp_Rain
Pearson Correlation	Number of reported drownings	-.635
	Average monthly rainfall	.861
	Average monthly temperature	-.331
	Temp_Rain	1.000
Sig. (1-tailed)	Number of reported drownings	.000
	Average monthly rainfall	.000
	Average monthly temperature	.024
	Temp_Rain	.
N	Number of reported drownings	36
	Average monthly rainfall	36
	Average monthly temperature	36
	Temp_Rain	36

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Average monthly rainfall ^b	.	Enter
2	Average monthly temperature ^b	.	Enter
3	Temp_Rain ^b	.	Enter

a. Dependent Variable: Number of reported drownings

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics		
					R Square Change	F Change	df1
1	.729 ^a	.531	.517	4.50746	.531	38.488	1
2	.870 ^b	.757	.742	3.29343	.226	30.686	1
3	.945 ^c	.894	.884	2.21212	.137	41.146	1

Model Summary

Model	Change Statistics	
	df2	Sig. F Change
1	34	.000
2	33	.000
3	32	.000

- a. Predictors: (Constant), Average monthly rainfall
- b. Predictors: (Constant), Average monthly rainfall, Average monthly temperature
- c. Predictors: (Constant), Average monthly rainfall, Average monthly temperature, Temp_Rain

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	781.965	1	781.965	38.488	.000 ^b
	Residual	690.785	34	20.317		
	Total	1472.750	35			
2	Regression	1114.810	2	557.405	51.390	.000 ^c
	Residual	357.940	33	10.847		
	Total	1472.750	35			
3	Regression	1316.158	3	438.719	89.654	.000 ^d
	Residual	156.592	32	4.893		
	Total	1472.750	35			

- a. Dependent Variable: Number of reported drownings
- b. Predictors: (Constant), Average monthly rainfall
- c. Predictors: (Constant), Average monthly rainfall, Average monthly temperature
- d. Predictors: (Constant), Average monthly rainfall, Average monthly temperature, Temp_Rain

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	24.229	1.243		19.489	.000
	Average monthly rainfall	-1.491	.240	-.729	-6.204	.000
2	(Constant)	10.298	2.674		3.852	.001
	Average monthly rainfall	-.658	.231	-.321	-2.843	.008
	Average monthly temperature	.178	.032	.626	5.540	.000
3	(Constant)	4.631	2.001		2.314	.027
	Average monthly rainfall	1.407	.357	.687	3.937	.000
	Average monthly temperature	.281	.027	.984	10.444	.000
	Temp_Rain	-.045	.007	-.901	-6.415	.000

a. Dependent Variable: Number of reported drownings

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics Tolerance
1	Average monthly temperature	.626 ^b	5.540	.000	.694	.577
	Temp_Rain	-.032 ^b	-.135	.894	-.023	.259
2	Temp_Rain	-.901 ^c	-6.415	.000	-.750	.168

a. Dependent Variable: Number of reported drownings

b. Predictors in the Model: (Constant), Average monthly rainfall

c. Predictors in the Model: (Constant), Average monthly rainfall, Average monthly temperature