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

# Regression

### Descriptive Statistics

| | Mean | Std. Deviation | N |
|---|---|---|---|
| Number of reported drownings | 18.0833 | 6.48680 | 36 |
| Average monthly temperature | 58.8056 | 22.75562 | 36 |
| Number of ice cream truck sales (in thousands) | 5.3333 | 4.09180 | 36 |

## Correlations

| | | Number of reported drownings | Average monthly temperature | Number of ice cream truck sales (in thousands) |
|---|---|---|---|---|
| Pearson Correlation | Number of reported drownings | 1.000 | .835 | .720 |
| | Average monthly temperature | .835 | 1.000 | .758 |
| | Number of ice cream truck sales (in thousands) | .720 | .758 | 1.000 |
| Sig. (1-tailed) | Number of reported drownings | . | .000 | .000 |
| | Average monthly temperature | .000 | . | .000 |
| | Number of ice cream truck sales (in thousands) | .000 | .000 | . |
| N | Number of reported drownings | 36 | 36 | 36 |
| | Average monthly temperature | 36 | 36 | 36 |
| | Number of ice cream truck sales (in thousands) | 36 | 36 | 36 |

## Variables Entered/Removed[a]

| Model | Variables Entered | Variables Removed | Method |
|---|---|---|---|
| 1 | Number of ice cream truck sales (in thousands) , Average monthly temperature[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 |
|---|---|---|---|---|
| 1 | .846[a] | .715 | .698 | 3.56422 |

a. Predictors: (Constant), Number of ice cream truck sales (in thousands) , Average monthly temperature

## ANOVA[a]

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 1053.529 | 2 | 526.764 | 41.466 | .000[b] |
| | Residual | 419.221 | 33 | 12.704 | | |
| | Total | 1472.750 | 35 | | | |

a. Dependent Variable: Number of reported drownings

b. Predictors: (Constant), Number of ice cream truck sales (in thousands) , Average monthly temperature

## Coefficients[a]

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | | |
| 1 | (Constant) | 4.955 | 1.773 | | 2.795 | .009 |
| | Average monthly temperature | .194 | .041 | .680 | 4.776 | .000 |
| | Number of ice cream truck sales (in thousands) | .325 | .226 | .205 | 1.441 | .159 |

a. Dependent Variable: Number of reported drownings