|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | |
|  | | Shooting | Coastline (Km) (2018) | Temperature (1901-2016 [C]) | GDP (US Billion Dollar) | Elevation (Feet) | Status of Women | Democracy Index | Population |
| Pearson Correlation | Shooting | 1.000 | .072 | -.399 | .541 | .009 | .213 | .023 | .513 |
| Coastline (Km) (2018) | .072 | 1.000 | -.410 | .142 | -.053 | .243 | .257 | .044 |
| Temperature (1901-2016 [C]) | -.399 | -.410 | 1.000 | -.193 | -.136 | -.580 | -.280 | .036 |
| GDP (US Billion Dollar) | .541 | .142 | -.193 | 1.000 | .038 | .148 | .060 | .558 |
| Elevation (Feet) | .009 | -.053 | -.136 | .038 | 1.000 | -.245 | -.229 | .181 |
| Status of Women | .213 | .243 | -.580 | .148 | -.245 | 1.000 | .674 | -.203 |
| Democracy Index | .023 | .257 | -.280 | .060 | -.229 | .674 | 1.000 | -.148 |
| Population | .513 | .044 | .036 | .558 | .181 | -.203 | -.148 | 1.000 |
| Sig. (1-tailed) | Shooting | . | .273 | .000 | .000 | .469 | .035 | .422 | .000 |
| Coastline (Km) (2018) | .273 | . | .000 | .115 | .328 | .019 | .014 | .355 |
| Temperature (1901-2016 [C]) | .000 | .000 | . | .051 | .126 | .000 | .008 | .381 |
| GDP (US Billion Dollar) | .000 | .115 | .051 | . | .375 | .105 | .306 | .000 |
| Elevation (Feet) | .469 | .328 | .126 | .375 | . | .018 | .025 | .062 |
| Status of Women | .035 | .019 | .000 | .105 | .018 | . | .000 | .043 |
| Democracy Index | .422 | .014 | .008 | .306 | .025 | .000 | . | .106 |
| Population | .000 | .355 | .381 | .000 | .062 | .043 | .106 | . |
| N | Shooting | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| Coastline (Km) (2018) | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| Temperature (1901-2016 [C]) | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| GDP (US Billion Dollar) | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| Elevation (Feet) | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| Status of Women | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| Democracy Index | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| Population | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summaryb** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .725a | .526 | .475 | 102.039708578381720 | 2.355 |
| a. Predictors: (Constant), Population, Temperature (1901-2016 [C]), Elevation (Feet), Democracy Index, Coastline (Km) (2018), GDP (US Billion Dollar), Status of Women | | | | | |
| b. Dependent Variable: Shooting | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 749918.758 | 7 | 107131.251 | 10.289 | .000b |
| Residual | 676786.638 | 65 | 10412.102 |  |  |
| Total | 1426705.397 | 72 |  |  |  |
| a. Dependent Variable: Shooting | | | | | | |
| b. Predictors: (Constant), Population, Temperature (1901-2016 [C]), Elevation (Feet), Democracy Index, Coastline (Km) (2018), GDP (US Billion Dollar), Status of Women | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | 154.928 | 173.714 |  | .892 | .376 |  |  |
| Coastline (Km) (2018) | -.001 | .001 | -.163 | -1.677 | .098 | .776 | 1.288 |
| Temperature (1901-2016 [C]) | -7.467 | 2.122 | -.435 | -3.519 | .001 | .477 | 2.098 |
| GDP (US Billion Dollar) | .011 | .005 | .238 | 2.177 | .033 | .609 | 1.643 |
| Elevation (Feet) | -.013 | .008 | -.148 | -1.548 | .126 | .797 | 1.255 |
| Status of Women | 120.205 | 227.334 | .080 | .529 | .599 | .321 | 3.115 |
| Democracy Index | -6.532 | 8.260 | -.095 | -.791 | .432 | .503 | 1.986 |
| Population | 2.615E-7 | .000 | .432 | 3.898 | .000 | .595 | 1.680 |
| a. Dependent Variable: Shooting | | | | | | | | |

