|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 Summaryd** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .541a | .293 | .283 | 119.231677794263050 |  |
| 2 | .618b | .382 | .365 | 112.194578527549350 |  |
| 3 | .693c | .480 | .457 | 103.704630009931170 | 2.338 |
| a. Predictors: (Constant), GDP (US Billion Dollar) | | | | | |
| b. Predictors: (Constant), GDP (US Billion Dollar), Temperature (1901-2016 [C]) | | | | | |
| c. Predictors: (Constant), GDP (US Billion Dollar), Temperature (1901-2016 [C]), Population | | | | | |
| d. Dependent Variable: Shooting | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 417355.694 | 1 | 417355.694 | 29.358 | .000b |
| Residual | 1009349.702 | 71 | 14216.193 |  |  |
| Total | 1426705.397 | 72 |  |  |  |
| 2 | Regression | 545571.755 | 2 | 272785.877 | 21.671 | .000c |
| Residual | 881133.642 | 70 | 12587.623 |  |  |
| Total | 1426705.397 | 72 |  |  |  |
| 3 | Regression | 684634.527 | 3 | 228211.509 | 21.220 | .000d |
| Residual | 742070.870 | 69 | 10754.650 |  |  |
| Total | 1426705.397 | 72 |  |  |  |
| a. Dependent Variable: Shooting | | | | | | |
| b. Predictors: (Constant), GDP (US Billion Dollar) | | | | | | |
| c. Predictors: (Constant), GDP (US Billion Dollar), Temperature (1901-2016 [C]) | | | | | | |
| d. Predictors: (Constant), GDP (US Billion Dollar), Temperature (1901-2016 [C]), Population | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | 73.379 | 14.782 |  | 4.964 | .000 |  |  |
| GDP (US Billion Dollar) | .025 | .005 | .541 | 5.418 | .000 | 1.000 | 1.000 |
| 2 | (Constant) | 151.013 | 28.021 |  | 5.389 | .000 |  |  |
| GDP (US Billion Dollar) | .022 | .004 | .482 | 5.032 | .000 | .963 | 1.039 |
| Temperature (1901-2016 [C]) | -5.239 | 1.642 | -.306 | -3.192 | .002 | .963 | 1.039 |
| 3 | (Constant) | 157.577 | 25.965 |  | 6.069 | .000 |  |  |
| GDP (US Billion Dollar) | .012 | .005 | .257 | 2.375 | .020 | .643 | 1.556 |
| Temperature (1901-2016 [C]) | -6.220 | 1.542 | -.363 | -4.035 | .000 | .932 | 1.072 |
| Population | 2.316E-7 | .000 | .382 | 3.596 | .001 | .667 | 1.500 |
| a. Dependent Variable: Shooting | | | | | | | | |

