|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | |
|  | | Athletics | Coastline (Km) (2018) | Temperature (1901-2016 [C]) | GDP (US Billion Dollar) | Elevation (Feet) | Status of Women | Democracy Index | Population |
| Pearson Correlation | Athletics | 1.000 | .263 | -.218 | .630 | -.074 | .271 | .226 | .171 |
| Coastline (Km) (2018) | .263 | 1.000 | -.300 | .167 | -.042 | .214 | .261 | .088 |
| Temperature (1901-2016 [C]) | -.218 | -.300 | 1.000 | -.224 | -.177 | -.574 | -.435 | -.012 |
| GDP (US Billion Dollar) | .630 | .167 | -.224 | 1.000 | .035 | .175 | .106 | .567 |
| Elevation (Feet) | -.074 | -.042 | -.177 | .035 | 1.000 | -.245 | -.228 | .164 |
| Status of Women | .271 | .214 | -.574 | .175 | -.245 | 1.000 | .723 | -.101 |
| Democracy Index | .226 | .261 | -.435 | .106 | -.228 | .723 | 1.000 | -.070 |
| Population | .171 | .088 | -.012 | .567 | .164 | -.101 | -.070 | 1.000 |
| Sig. (1-tailed) | Athletics | . | .001 | .006 | .000 | .203 | .001 | .005 | .026 |
| Coastline (Km) (2018) | .001 | . | .000 | .029 | .318 | .007 | .001 | .159 |
| Temperature (1901-2016 [C]) | .006 | .000 | . | .005 | .023 | .000 | .000 | .448 |
| GDP (US Billion Dollar) | .000 | .029 | .005 | . | .346 | .024 | .116 | .000 |
| Elevation (Feet) | .203 | .318 | .023 | .346 | . | .003 | .005 | .032 |
| Status of Women | .001 | .007 | .000 | .024 | .003 | . | .000 | .127 |
| Democracy Index | .005 | .001 | .000 | .116 | .005 | .000 | . | .215 |
| Population | .026 | .159 | .448 | .000 | .032 | .127 | .215 | . |
| N | Athletics | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| Coastline (Km) (2018) | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| Temperature (1901-2016 [C]) | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| GDP (US Billion Dollar) | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| Elevation (Feet) | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| Status of Women | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| Democracy Index | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| Population | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summaryb** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .695a | .483 | .454 | 138.380566886899540 | 2.058 |
| a. Predictors: (Constant), Population, Temperature (1901-2016 [C]), Elevation (Feet), Coastline (Km) (2018), Democracy Index, GDP (US Billion Dollar), Status of Women | | | | | |
| b. Dependent Variable: Athletics | | | | | |

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| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 2168570.384 | 7 | 309795.769 | 16.178 | .000b |
| Residual | 2317050.936 | 121 | 19149.181 |  |  |
| Total | 4485621.320 | 128 |  |  |  |
| a. Dependent Variable: Athletics | | | | | | |
| b. Predictors: (Constant), Population, Temperature (1901-2016 [C]), Elevation (Feet), Coastline (Km) (2018), Democracy Index, 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) | -57.374 | 153.102 |  | -.375 | .709 |  |  |
| Coastline (Km) (2018) | .001 | .001 | .145 | 2.064 | .041 | .868 | 1.152 |
| Temperature (1901-2016 [C]) | 1.155 | 2.075 | .050 | .557 | .579 | .523 | 1.914 |
| GDP (US Billion Dollar) | .059 | .007 | .739 | 8.821 | .000 | .608 | 1.645 |
| Elevation (Feet) | -.002 | .009 | -.014 | -.183 | .855 | .762 | 1.312 |
| Status of Women | 113.795 | 196.873 | .064 | .578 | .564 | .351 | 2.848 |
| Democracy Index | 5.652 | 8.284 | .066 | .682 | .496 | .460 | 2.172 |
| Population | -2.581E-7 | .000 | -.247 | -2.984 | .003 | .624 | 1.603 |
| a. Dependent Variable: Athletics | | | | | | | | |

