|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | |
|  | | Gymnastics | Coastline (Km) (2018) | Temperature (1901-2016 [C]) | GDP (US Billion Dollar) | Elevation (Feet) | Status of Women | Democracy Index | Population |
| Pearson Correlation | Gymnastics | 1.000 | .330 | -.355 | .712 | .010 | .181 | .001 | .366 |
| Coastline (Km) (2018) | .330 | 1.000 | -.401 | .120 | -.018 | .228 | .214 | .029 |
| Temperature (1901-2016 [C]) | -.355 | -.401 | 1.000 | -.146 | -.043 | -.572 | -.215 | .082 |
| GDP (US Billion Dollar) | .712 | .120 | -.146 | 1.000 | .104 | .081 | -.014 | .554 |
| Elevation (Feet) | .010 | -.018 | -.043 | .104 | 1.000 | -.266 | -.188 | .292 |
| Status of Women | .181 | .228 | -.572 | .081 | -.266 | 1.000 | .727 | -.299 |
| Democracy Index | .001 | .214 | -.215 | -.014 | -.188 | .727 | 1.000 | -.219 |
| Population | .366 | .029 | .082 | .554 | .292 | -.299 | -.219 | 1.000 |
| Sig. (1-tailed) | Gymnastics | . | .006 | .004 | .000 | .471 | .091 | .496 | .003 |
| Coastline (Km) (2018) | .006 | . | .001 | .189 | .449 | .046 | .057 | .416 |
| Temperature (1901-2016 [C]) | .004 | .001 | . | .142 | .376 | .000 | .056 | .274 |
| GDP (US Billion Dollar) | .000 | .189 | .142 | . | .223 | .277 | .459 | .000 |
| Elevation (Feet) | .471 | .449 | .376 | .223 | . | .024 | .082 | .015 |
| Status of Women | .091 | .046 | .000 | .277 | .024 | . | .000 | .013 |
| Democracy Index | .496 | .057 | .056 | .459 | .082 | .000 | . | .053 |
| Population | .003 | .416 | .274 | .000 | .015 | .013 | .053 | . |
| N | Gymnastics | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| Coastline (Km) (2018) | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| Temperature (1901-2016 [C]) | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| GDP (US Billion Dollar) | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| Elevation (Feet) | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| Status of Women | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| Democracy Index | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| Population | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summaryb** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .780a | .609 | .552 | 99.756657163562520 | 2.094 |
| a. Predictors: (Constant), Population, Coastline (Km) (2018), Elevation (Feet), Democracy Index, Temperature (1901-2016 [C]), GDP (US Billion Dollar), Status of Women | | | | | |
| b. Dependent Variable: Gymnastics | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 744356.699 | 7 | 106336.671 | 10.686 | .000b |
| Residual | 477666.751 | 48 | 9951.391 |  |  |
| Total | 1222023.450 | 55 |  |  |  |
| a. Dependent Variable: Gymnastics | | | | | | |
| b. Predictors: (Constant), Population, Coastline (Km) (2018), Elevation (Feet), Democracy Index, Temperature (1901-2016 [C]), 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) | 79.929 | 252.527 |  | .317 | .753 |  |  |
| Coastline (Km) (2018) | .001 | .001 | .188 | 1.853 | .070 | .787 | 1.270 |
| Temperature (1901-2016 [C]) | -3.429 | 2.448 | -.186 | -1.401 | .168 | .460 | 2.173 |
| GDP (US Billion Dollar) | .028 | .005 | .648 | 5.625 | .000 | .613 | 1.631 |
| Elevation (Feet) | -.008 | .011 | -.079 | -.792 | .432 | .820 | 1.219 |
| Status of Women | 93.582 | 344.503 | .051 | .272 | .787 | .235 | 4.261 |
| Democracy Index | -7.878 | 10.015 | -.115 | -.787 | .435 | .381 | 2.626 |
| Population | 1.692E-8 | .000 | .030 | .245 | .808 | .549 | 1.823 |
| a. Dependent Variable: Gymnastics | | | | | | | | |

