|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | |
|  | | Swimming | Coastline (Km) (2018) | Temperature (1901-2016 [C]) | GDP (US Billion Dollar) | Elevation (Feet) | Status of Women | Democracy Index | Population |
| Pearson Correlation | Swimming | 1.000 | .358 | -.440 | .785 | -.134 | .403 | .318 | .438 |
| Coastline (Km) (2018) | .358 | 1.000 | -.371 | .169 | -.041 | .236 | .245 | .087 |
| Temperature (1901-2016 [C]) | -.440 | -.371 | 1.000 | -.254 | -.227 | -.619 | -.446 | -.114 |
| GDP (US Billion Dollar) | .785 | .169 | -.254 | 1.000 | .032 | .197 | .105 | .685 |
| Elevation (Feet) | -.134 | -.041 | -.227 | .032 | 1.000 | -.142 | -.258 | .209 |
| Status of Women | .403 | .236 | -.619 | .197 | -.142 | 1.000 | .751 | -.054 |
| Democracy Index | .318 | .245 | -.446 | .105 | -.258 | .751 | 1.000 | -.144 |
| Population | .438 | .087 | -.114 | .685 | .209 | -.054 | -.144 | 1.000 |
| Sig. (1-tailed) | Swimming | . | .000 | .000 | .000 | .071 | .000 | .000 | .000 |
| Coastline (Km) (2018) | .000 | . | .000 | .032 | .329 | .005 | .003 | .170 |
| Temperature (1901-2016 [C]) | .000 | .000 | . | .002 | .006 | .000 | .000 | .107 |
| GDP (US Billion Dollar) | .000 | .032 | .002 | . | .365 | .015 | .126 | .000 |
| Elevation (Feet) | .071 | .329 | .006 | .365 | . | .061 | .002 | .011 |
| Status of Women | .000 | .005 | .000 | .015 | .061 | . | .000 | .280 |
| Democracy Index | .000 | .003 | .000 | .126 | .002 | .000 | . | .058 |
| Population | .000 | .170 | .107 | .000 | .011 | .280 | .058 | . |
| N | Swimming | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| Coastline (Km) (2018) | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| Temperature (1901-2016 [C]) | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| GDP (US Billion Dollar) | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| Elevation (Feet) | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| Status of Women | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| Democracy Index | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| Population | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summaryb** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .865a | .748 | .732 | 74.437894061099570 | 2.136 |
| a. Predictors: (Constant), Population, Status of Women, Elevation (Feet), Coastline (Km) (2018), GDP (US Billion Dollar), Temperature (1901-2016 [C]), Democracy Index | | | | | |
| b. Dependent Variable: Swimming | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 1859045.269 | 7 | 265577.896 | 47.930 | .000b |
| Residual | 626133.008 | 113 | 5541.000 |  |  |
| Total | 2485178.277 | 120 |  |  |  |
| a. Dependent Variable: Swimming | | | | | | |
| b. Predictors: (Constant), Population, Status of Women, Elevation (Feet), Coastline (Km) (2018), GDP (US Billion Dollar), Temperature (1901-2016 [C]), Democracy Index | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | 68.044 | 89.225 |  | .763 | .447 |  |  |
| Coastline (Km) (2018) | .001 | .000 | .138 | 2.657 | .009 | .830 | 1.205 |
| Temperature (1901-2016 [C]) | -3.477 | 1.203 | -.203 | -2.891 | .005 | .453 | 2.209 |
| GDP (US Billion Dollar) | .045 | .004 | .751 | 10.805 | .000 | .461 | 2.167 |
| Elevation (Feet) | -.015 | .005 | -.171 | -3.108 | .002 | .737 | 1.357 |
| Status of Women | 74.334 | 117.188 | .053 | .634 | .527 | .322 | 3.106 |
| Democracy Index | 1.395 | 4.982 | .021 | .280 | .780 | .400 | 2.501 |
| Population | -7.348E-8 | .000 | -.070 | -1.012 | .314 | .461 | 2.167 |
| a. Dependent Variable: Swimming | | | | | | | | |

