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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | |
|  | | Overall Jokl Rank | Coastline (Km) (2018) | Temperature (1901-2016 [C]) | GDP (US Billion Dollar) | Elevation (Feet) | Status of Women | Democracy Index | Population |
| Pearson Correlation | Overall Jokl Rank | 1.000 | .333 | -.413 | .774 | -.110 | .400 | .305 | .348 |
| Coastline (Km) (2018) | .333 | 1.000 | -.302 | .177 | -.057 | .213 | .238 | .099 |
| Temperature (1901-2016 [C]) | -.413 | -.302 | 1.000 | -.213 | -.245 | -.579 | -.401 | -.016 |
| GDP (US Billion Dollar) | .774 | .177 | -.213 | 1.000 | .008 | .176 | .106 | .570 |
| Elevation (Feet) | -.110 | -.057 | -.245 | .008 | 1.000 | -.197 | -.220 | .111 |
| Status of Women | .400 | .213 | -.579 | .176 | -.197 | 1.000 | .732 | -.092 |
| Democracy Index | .305 | .238 | -.401 | .106 | -.220 | .732 | 1.000 | -.067 |
| Population | .348 | .099 | -.016 | .570 | .111 | -.092 | -.067 | 1.000 |
| Sig. (1-tailed) | Overall Jokl Rank | . | .000 | .000 | .000 | .090 | .000 | .000 | .000 |
| Coastline (Km) (2018) | .000 | . | .000 | .015 | .244 | .005 | .002 | .115 |
| Temperature (1901-2016 [C]) | .000 | .000 | . | .005 | .001 | .000 | .000 | .422 |
| GDP (US Billion Dollar) | .000 | .015 | .005 | . | .460 | .016 | .099 | .000 |
| Elevation (Feet) | .090 | .244 | .001 | .460 | . | .008 | .003 | .089 |
| Status of Women | .000 | .005 | .000 | .016 | .008 | . | .000 | .132 |
| Democracy Index | .000 | .002 | .000 | .099 | .003 | .000 | . | .209 |
| Population | .000 | .115 | .422 | .000 | .089 | .132 | .209 | . |
| N | Overall Jokl Rank | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| Coastline (Km) (2018) | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| Temperature (1901-2016 [C]) | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| GDP (US Billion Dollar) | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| Elevation (Feet) | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| Status of Women | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| Democracy Index | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| Population | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |

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| --- | --- | --- | --- | --- | --- |
| **Model Summaryf** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .774a | .599 | .596 | 312.401253274465260 |  |
| 2 | .819b | .671 | .666 | 284.051303219439200 |  |
| 3 | .833c | .694 | .687 | 274.918598618949830 |  |
| 4 | .838d | .703 | .695 | 271.748023804185830 |  |
| 5 | .847e | .717 | .707 | 266.203719557496870 | 2.116 |
| a. Predictors: (Constant), GDP (US Billion Dollar) | | | | | |
| b. Predictors: (Constant), GDP (US Billion Dollar), Status of Women | | | | | |
| c. Predictors: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018) | | | | | |
| d. Predictors: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018), Temperature (1901-2016 [C]) | | | | | |
| e. Predictors: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018), Temperature (1901-2016 [C]), Elevation (Feet) | | | | | |
| f. Dependent Variable: Overall Jokl Rank | | | | | |

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| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 21448124.019 | 1 | 21448124.019 | 219.768 | .000b |
| Residual | 14346397.828 | 147 | 97594.543 |  |  |
| Total | 35794521.847 | 148 |  |  |  |
| 2 | Regression | 24014490.989 | 2 | 12007245.494 | 148.816 | .000c |
| Residual | 11780030.858 | 146 | 80685.143 |  |  |
| Total | 35794521.847 | 148 |  |  |  |
| 3 | Regression | 24835387.646 | 3 | 8278462.549 | 109.532 | .000d |
| Residual | 10959134.201 | 145 | 75580.236 |  |  |
| Total | 35794521.847 | 148 |  |  |  |
| 4 | Regression | 25160555.511 | 4 | 6290138.878 | 85.178 | .000e |
| Residual | 10633966.336 | 144 | 73846.988 |  |  |
| Total | 35794521.847 | 148 |  |  |  |
| 5 | Regression | 25660909.743 | 5 | 5132181.949 | 72.423 | .000f |
| Residual | 10133612.104 | 143 | 70864.420 |  |  |
| Total | 35794521.847 | 148 |  |  |  |
| a. Dependent Variable: Overall Jokl Rank | | | | | | |
| b. Predictors: (Constant), GDP (US Billion Dollar) | | | | | | |
| c. Predictors: (Constant), GDP (US Billion Dollar), Status of Women | | | | | | |
| d. Predictors: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018) | | | | | | |
| e. Predictors: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018), Temperature (1901-2016 [C]) | | | | | | |
| f. Predictors: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018), Temperature (1901-2016 [C]), Elevation (Feet) | | | | | | |

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| **Coefficientsa** | | | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | 172.535 | 26.471 |  | 6.518 | .000 |  |  |
| GDP (US Billion Dollar) | .174 | .012 | .774 | 14.825 | .000 | 1.000 | 1.000 |
| 2 | (Constant) | -745.055 | 164.470 |  | -4.530 | .000 |  |  |
| GDP (US Billion Dollar) | .163 | .011 | .726 | 15.059 | .000 | .969 | 1.032 |
| Status of Women | 1279.390 | 226.851 | .272 | 5.640 | .000 | .969 | 1.032 |
| 3 | (Constant) | -662.250 | 161.153 |  | -4.109 | .000 |  |  |
| GDP (US Billion Dollar) | .158 | .011 | .704 | 14.917 | .000 | .949 | 1.054 |
| Status of Women | 1141.268 | 223.522 | .243 | 5.106 | .000 | .935 | 1.069 |
| Coastline (Km) (2018) | .004 | .001 | .157 | 3.296 | .001 | .935 | 1.070 |
| 4 | (Constant) | -319.358 | 228.203 |  | -1.399 | .164 |  |  |
| GDP (US Billion Dollar) | .156 | .011 | .693 | 14.769 | .000 | .937 | 1.067 |
| Status of Women | 842.481 | 262.851 | .179 | 3.205 | .002 | .661 | 1.514 |
| Coastline (Km) (2018) | .004 | .001 | .136 | 2.821 | .005 | .894 | 1.119 |
| Temperature (1901-2016 [C]) | -7.052 | 3.361 | -.121 | -2.098 | .038 | .623 | 1.604 |
| 5 | (Constant) | 67.631 | 266.803 |  | .253 | .800 |  |  |
| GDP (US Billion Dollar) | .156 | .010 | .692 | 15.066 | .000 | .937 | 1.067 |
| Status of Women | 520.727 | 284.539 | .111 | 1.830 | .069 | .541 | 1.848 |
| Coastline (Km) (2018) | .003 | .001 | .119 | 2.501 | .013 | .878 | 1.139 |
| Temperature (1901-2016 [C]) | -11.614 | 3.713 | -.199 | -3.128 | .002 | .490 | 2.040 |
| Elevation (Feet) | -.037 | .014 | -.136 | -2.657 | .009 | .754 | 1.327 |
| a. Dependent Variable: Overall Jokl Rank | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Excluded Variablesa** | | | | | | | | |
| Model | | Beta In | t | Sig. | Partial Correlation | Collinearity Statistics | | |
| Tolerance | VIF | Minimum Tolerance |
| 1 | Coastline (Km) (2018) | .202b | 4.000 | .000 | .314 | .969 | 1.032 | .969 |
| Temperature (1901-2016 [C]) | -.260b | -5.292 | .000 | -.401 | .955 | 1.047 | .955 |
| Elevation (Feet) | -.117b | -2.270 | .025 | -.185 | 1.000 | 1.000 | 1.000 |
| Status of Women | .272b | 5.640 | .000 | .423 | .969 | 1.032 | .969 |
| Democracy Index | .226b | 4.579 | .000 | .354 | .989 | 1.011 | .989 |
| Population | -.138b | -2.201 | .029 | -.179 | .675 | 1.481 | .675 |
| 2 | Coastline (Km) (2018) | .157c | 3.296 | .001 | .264 | .935 | 1.070 | .935 |
| Temperature (1901-2016 [C]) | -.155c | -2.686 | .008 | -.218 | .652 | 1.534 | .652 |
| Elevation (Feet) | -.066c | -1.356 | .177 | -.112 | .959 | 1.042 | .930 |
| Democracy Index | .063c | .899 | .370 | .074 | .464 | 2.155 | .455 |
| Population | -.064c | -1.080 | .282 | -.089 | .637 | 1.569 | .623 |
| 3 | Temperature (1901-2016 [C]) | -.121d | -2.098 | .038 | -.172 | .623 | 1.604 | .623 |
| Elevation (Feet) | -.062d | -1.326 | .187 | -.110 | .959 | 1.043 | .900 |
| Democracy Index | .034d | .504 | .615 | .042 | .456 | 2.192 | .454 |
| Population | -.073d | -1.266 | .208 | -.105 | .636 | 1.573 | .618 |
| 4 | Elevation (Feet) | -.136e | -2.657 | .009 | -.217 | .754 | 1.327 | .490 |
| Democracy Index | .044e | .649 | .517 | .054 | .454 | 2.202 | .364 |
| Population | -.072e | -1.268 | .207 | -.105 | .636 | 1.573 | .612 |
| 5 | Democracy Index | .028f | .423 | .673 | .035 | .450 | 2.220 | .336 |
| Population | -.058f | -1.031 | .304 | -.086 | .629 | 1.589 | .489 |
| a. Dependent Variable: Overall Jokl Rank | | | | | | | | |
| b. Predictors in the Model: (Constant), GDP (US Billion Dollar) | | | | | | | | |
| c. Predictors in the Model: (Constant), GDP (US Billion Dollar), Status of Women | | | | | | | | |
| d. Predictors in the Model: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018) | | | | | | | | |
| e. Predictors in the Model: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018), Temperature (1901-2016 [C]) | | | | | | | | |
| f. Predictors in the Model: (Constant), GDP (US Billion Dollar), Status of Women, Coastline (Km) (2018), Temperature (1901-2016 [C]), Elevation (Feet) | | | | | | | | |