**Aggregated by Location**

Total Number of Location (Country): 205

Contains last dated information: 2020-04-30

Aggregated by: location (Country)

Table: Continent

|  |  |  |
| --- | --- | --- |
| Continent | Frequency (Country) | Percent |
| Africa | 51 | 24.9 |
| Asia | 43 | 21.0 |
| Europe | 54 | 26.3 |
| North America | 35 | 17.1 |
| Oceania | 8 | 3.9 |
| South America | 14 | 6.8 |
| Total | 205 | 100.00 |

Fig: CFR by country

Fig: Highest CFR (10 countries)

Fig: Total cases of all countries

Fig: Highest total cases (10 countries)

Fig: Total Deaths

Fig: Highest total deaths (10 countries)

Table: Descriptive Statistics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Min | Mean | SD | Max |
| Case Fatality Rate (n=205) | 0 | 4.03 | 4.35 | 28.57 |
| Total Case (n=205) | 3 | 15272.04 | 78312.64 | 1039909 |
| Total Death (n=205) | 0 | 1108.91 | 5574.41 | 60966 |
| Total Case per million (n=203) | 0.20 | 843.83 | 1876.28 | 16589.07 |
| Total Death per million (n=203) | 0 | 40.21 | 125.31 | 1208.09 |
| Total test (n=68) | 6551.0 | 361816.56 | 892369.80 | 6255769.0 |
| Total test per thousands (n=68) | 0.15 | 16.53 | 22.77 | 143.87 |
| Total population (n=204) | 799 | 37531572.54 | 143458139.2 | 1433783686 |
| Population Density (per square kilometre) (n=201) | 0.10 | 337.17 | 1490.41 | 19196.00 |
| Median Age (n=201) | 14.80 | 31.62 | 9.24 | 55.40 |
| Age 15 to 64 years (in percent) (n=201) | 47.42 | 64.00 | 6.50 | 85.09 |
| Age 65 years or above (in percent) (n=201) | 1.09 | 9.72 | 6.60 | 33.15 |
| Age 0 to 14 years (in percent) (n=201) | 10.27 | 26.28 | 10.41 | 49.98 |
| Potential Support Ratio (n=185) | 2.10 | 11.09 | 8.47 | 66.40 |
| Age Dependency Ratio (n=200) | 17.52 | 57.86 | 16.86 | 110.88 |
| Number of arrivals (n=156) | 14000 | 8600314.87 | 15318440.90 | 89322000 |
| Global Health Security Index (n=177) | 16.20 | 41.67 | 14.10 | 83.50 |
| Global Food Security Index (n=111) | 31.20 | 63.05 | 13.97 | 87.40 |
| Human development Index (n=185) | 0.38 | 0.73 | 0.16 | 0.99 |
| Social Progress index (n=141) | 24.44 | 66.36 | 16.11 | 90.95 |
| Social Mobility Index (n=80) | 34.50 | 62.54 | 13.65 | 85.20 |
| Worldwide Governance Indicators (n=80) | -2.45 | .02 | 1.00 | 2.23 |
| Environmental performance index (n=169) | 27.43 | 56.88 | 13.10 | 87.42 |
| Gross Domestic Product per million (n=197) | 164.50 | 441452.66 | 1843183.36 | 20544343.46 |
| Wind Speed (mph) (n=197) | 0.06 | 6.15 | 3.62 | 21.70 |
| Temperature (oF) (n=204) | 7.98 | 65.21 | 20.76 | 103.80 |
| Relative Humidity | 8.83 | 69.09 | 19.59 | 97.54 |
| Ultraviolet Index | 1.00 | 5.89 | 2.27 | 12.00 |

Table: Analysis of covariance CFR and continents

|  |  |  |  |
| --- | --- | --- | --- |
| Source | Mean Square | F | P-value |
| Intercept | 1921.108 | 110.684 | <0.001 |
| Continent | 82.522 | 4.754 | <0.001 |

Table: Correlation between CFR and all other covariates

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Cases | P-value |
| Case Fatality Rate | 1 | 0.145 | 0.037 |
| Total Cases | 0.145 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Deaths | P-value |
| Case Fatality Rate | 1 | 0.287 | <0.001 |
| Total Deaths | 0.287 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Cases per million | P-value |
| Case Fatality Rate | 1 | 0.078 | 0.266 |
| Total Cases per million | 0.078 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Deaths per million | P-value |
| Case Fatality Rate | 1 | 0.391 | <0.001 |
| Total Deaths per million | 0.391 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Tests | P-value |
| Case Fatality Rate | 1 | 0.155 | 0.206 |
| Total Tests | 0.155 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Tests per thousand | P-value |
| Case Fatality Rate | 1 | -0.102 | 0.410 |
| Total Tests per thousand | -0.102 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Number of populations | P-value |
| Case Fatality Rate | 1 | 0.036 | 0.607 |
| Number of populations | 0.036 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Population Density | P-value |
| Case Fatality Rate | 1 | -0.030 | 0.669 |
| Population Density | -0.030 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Median Age | P-value |
| Case Fatality Rate | 1 | 0.130 | 0.065 |
| Median Age | 0.130 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Age 15 to 64 | P-value |
| Case Fatality Rate | 1 | -0.07 | 0.320 |
| Age 15 to 64 | -0.07 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Cases | P-value |
| Case Fatality Rate | 1 | 0.180 | 0.011 |
| Age 65+ | 0.180 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Age 0 to 14 | P-value |
| Case Fatality Rate | 1 | -0.07 | 0.323 |
| Age 0 to 14 | -0.07 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Potential Support Ratio | P-value |
| Case Fatality Rate | 1 | -0.201 | 0.006 |
| Potential Support Ratio | -0.201 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Age Dependency Ratio | P-value |
| Case Fatality Rate | 1 | 0.045 | 0.524 |
| Age Dependency Ratio | 0.045 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Number of Arrivals | P-value |
| Case Fatality Rate | 1 | 0.257 | 0.001 |
| Number of Arrivals | 0.257 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Global Health Security Index | P-value |
| Case Fatality Rate | 1 | 0.187 | 0.013 |
| Global Health Security Index | 0.187 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Global Food Security Index | P-value |
| Case Fatality Rate | 1 | 0.121 | 0.206 |
| Global Food Security Index | 0.121 | 1 |

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| --- | --- | --- | --- |
|  | Case Fatality Rate | Potential Support Ratio | P-value |
| Case Fatality Rate | 1 | 0.133 | 0.071 |
| Human Development Index | 0.133 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Social Progress Index | P-value |
| Case Fatality Rate | 1 | 0.128 | 0.132 |
| Social Progress Index | 0.128 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Social Mobility Index | P-value |
| Case Fatality Rate | 1 | 0.252 | 0.024 |
| Social Mobility Index | 0.252 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Worldwide Governance Indicator | P-value |
| Case Fatality Rate | 1 | 0.028 | 0.703 |
| Worldwide Governance Indicator | 0.028 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Environmental Performance Index | P-value |
| Case Fatality Rate | 1 | 0.133 | 0.084 |
| Environmental Performance Index | 0.133 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Gross Domestic Product | P-value |
| Case Fatality Rate | 1 | 0.106 | 0.137 |
| Gross Domestic Product | 0.106 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Wind Speed | P-value |
| Case Fatality Rate | 1 | 0.155 | 0.026 |
| Wind Speed | 0.155 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Temperature | P-value |
| Case Fatality Rate | 1 | 0.060 | 0.391 |
| Temperature | 0.060 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Relative humidity | P-value |
| Case Fatality Rate | 1 | -0.044 | 0.531 |
| Relative humidity | -0.044 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Ultraviolet Index | P-value |
| Case Fatality Rate | 1 | 0.028 | 0.691 |
| Ultraviolet Index | 0.028 | 1 |

**Aggregated by Continent**

Total Number of Continent: 6

Contains last dated information: 2020-04-30

Aggregated by: Continent

Table: Descriptive Statistics

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Min | Max | Mean | SD |  |
| Case Fatality Rate | 1.94 | 6.17 | 3.9093 | 1.54129 |  |
| Total Case | 710.43 | 32256.49 | 13554.6656 | 12530.84523 |  |
| Total Death | 14.50 | 2459.76 | 901.2104 | 1029.72879 |  |
| Total Case per million | 64.70 | 2310.84 | 702.3218 | 814.72905 |  |
| Total Death per million | 1.16 | 124.07 | 30.8793 | 47.13516 |  |
| Total test | 42298.11 | 1203118.67 | 395099.3468 | 420852.25842 |  |
| Total test per thousands | 1.21 | 28.67 | 13.4572 | 11.25240 |  |
| Total population | 5054858.75 | 106794651.28 | 33030265.4971 | 37170817.03237 |  |
| Population Density (per square kilometre) | 43.15 | 610.00 | 260.8582 | 235.75714 |  |
| Median Age | 20.83 | 41.69 | 31.6680 | 6.77128 |  |
| Age 15 to 64 years (in percent) | 56.67 | 67.07 | 64.7111 | 3.96961 |  |
| Age 65 years or above (in percent) | 3.92 | 17.71 | 9.4432 | 4.69490 |  |
| Age 0 to 14 years (in percent) | 16.41 | 39.40 | 25.8457 | 7.54688 |  |
| Potential Support Ratio | 3.82 | 17.67 | 9.9148 | 5.31660 |  |
| Age Dependency Ratio | 49.81 | 78.17 | 55.6176 | 11.08068 |  |
| Number of arrivals | 2043037.50 | 14348175.56 | 6577440.6132 | 5193049.45729 |  |
| Global Health Security Index | 31.06 | 52.30 | 42.4412 | 7.10780 |  |
| Global Food Security Index | 49.19 | 80.10 | 66.1101 | 10.80707 |  |
| Human development Index | 0.55 | 0.86 | 0.7485 | 0.10865 |  |
| Social Progress index | 49.04 | 81.46 | 67.8996 | 10.74133 |  |
| Social Mobility Index | 41.41 | 74.70 | 59.1844 | 12.31933 |  |
| Worldwide Governance Indicators | -0.82 | 0.84 | 0.1290 | 0.61271 |  |
| Environmental performance index | 46.23 | 69.78 | 57.8006 | 7.84925 |  |
| Gross Domestic Product per million | 77936.97 | 778714.55 | 419431.6294 | 283379.98274 |  |
| Wind Speed (mph) | 5.36 | 7.77 | 6.3184 | 0.90153 |  |
| Temperature (oF) | 42.20 | 77.87 | 65.6996 | 12.46511 |  |
| Relative Humidity | 55.26 | 77.08 | 69.5330 | 8.49572 |  |
| Ultraviolet Index | 3.50 | 7.35 | 5.9152 | 1.41328 |  |

Fig: Mean CFR by continent

Fig: Total Cases by continent

Fig: Total Deaths by continent

Table: Correlation between CFR and all other covariates (spearman)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Cases | P-value |
| Case Fatality Rate | 1 | 0.77 | 0.072 |
| Total Cases | 0.77 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Deaths | P-value |
| Case Fatality Rate | 1 | 0.77 | 0.072 |
| Total Deaths | 0.77 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Cases per million | P-value |
| Case Fatality Rate | 1 | 0.60 | 0.208 |
| Total Cases per million | 0.60 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Deaths per million | P-value |
| Case Fatality Rate | 1 | 0.77 | 0.072 |
| Total Deaths per million | 0.77 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Tests | P-value |
| Case Fatality Rate | 1 | 0.54 | 0.266 |
| Total Tests | 0.54 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Tests per thousand | P-value |
| Case Fatality Rate | 1 | -0.029 | 0.957 |
| Total Tests per thousand | -0.029 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Number of populations | P-value |
| Case Fatality Rate | 1 | -0.314 | 0.544 |
| Number of populations | -0.314 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Population Density | P-value |
| Case Fatality Rate | 1 | 0.143 | 0.787 |
| Population Density | 0.143 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Median Age | P-value |
| Case Fatality Rate | 1 | 0.657 | 0.156 |
| Median Age | 0.657 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Age 15 to 64 | P-value |
| Case Fatality Rate | 1 | 0.029 | 0.957 |
| Age 15 to 64 | 0.029 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Total Cases | P-value |
| Case Fatality Rate | 1 | 0.657 | 0.156 |
| Age 65+ | 0.657 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Age 0 to 14 | P-value |
| Case Fatality Rate | 1 | -0.771 | 0.072 |
| Age 0 to 14 | -0.771 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Potential Support Ratio | P-value |
| Case Fatality Rate | 1 | -0.771 | 0.072 |
| Potential Support Ratio | -0.771 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Age Dependency Ratio | P-value |
| Case Fatality Rate | 1 | -0.143 | 0.787 |
| Age Dependency Ratio | -0.143 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Number of Arrivals | P-value |
| Case Fatality Rate | 1 | 0.314 | 0.544 |
| Number of Arrivals | 0.314 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Global Health Security Index | P-value |
| Case Fatality Rate | 1 | 0.029 | 0.957 |
| Global Health Security Index | 0.029 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Global Food Security Index | P-value |
| Case Fatality Rate | 1 | 0.086 | 0.872 |
| Global Food Security Index | 0.086 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Potential Support Ratio | P-value |
| Case Fatality Rate | 1 | 0.314 | 0.544 |
| Human Development Index | 0.314 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Social Progress Index | P-value |
| Case Fatality Rate | 1 | 0.771 | 0.072 |
| Social Progress Index | 0.771 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Social Mobility Index | P-value |
| Case Fatality Rate | 1 | -0.20 | 0.704 |
| Social Mobility Index | -0.200 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Worldwide Governance Indicator | P-value |
| Case Fatality Rate | 1 | 0.257 | 0.623 |
| Worldwide Governance Indicator | 0.257 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Environmental Performance Index | P-value |
| Case Fatality Rate | 1 | 0.314 | 0.544 |
| Environmental Performance Index | 0.314 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Gross Domestic Product | P-value |
| Case Fatality Rate | 1 | 0.371 | 0.468 |
| Gross Domestic Product | 0.371 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Wind Speed | P-value |
| Case Fatality Rate | 1 | 0.257 | 0.623 |
| Wind Speed | 0.257 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Temperature | P-value |
| Case Fatality Rate | 1 | -0.314 | 0.544 |
| Temperature | -0.314 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Relative humidity | P-value |
| Case Fatality Rate | 1 | 0.429 | 0.397 |
| Relative humidity | 0.429 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Case Fatality Rate | Ultraviolet Index | P-value |
| Case Fatality Rate | 1 | 0.086 | 0.872 |
| Ultraviolet Index | 0.086 | 1 |