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| Figure-1: Confirmed cases and total deaths due to COVID-19 worldwide |
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| Figure-2: Timeline of COVID-19 infection globally |
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| Figure-3: Timeline of infection of population land area coverage |
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| Figure-4: Plot of minimum temperature |
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| Figure-5: Plot of maximum temperature |
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| Figure-6: Most affected countries by COVID-19 |
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| Figure-7: Density plot of minimum and maximum temperature of most affected cities |
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| Figure 8 (a): Density plot in each minimum interval |
| minplot |

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| Figure 8(b): Density plot in each maximum interval |
| maxplot  max1 |

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| Figure-9: Most affected cities |
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**Tables**

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| Table 1: Minimum temperature distribution fitting based on information criterion | | | | |
| Distribution | AIC | BIC | Estimate | |
| Cauchy | 2032.708 | 1645.295 | 19.948 | 7.313 |
| Logistic | 1963.793 | 1576.38 | 16.302 | 7.027 |
| Normal | 1966.129 | 1578.716 | 15.159 | 12.442 |
| t | 1960.955 | 1573.542 | 15.929 | 11.636 |

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| Table 2: Maximum temperature distribution fitting based on information criterion | | | | |
| Distribution | AIC | BIC | Estimate | |
| Exponential | 2025.334 | 1637.920 | 0.046 |  |
| Cauchy | 1908.305 | 1520.892 | 24.206 | 5.139 |
| Gamma | 1907.940 | 1520.527 | 3.370 | 0.154 |
| Lognormal | 1973.073 | 1585.660 | 2.933 | 0.674 |
| Logistic | 1851.153 | 1463.740 | 22.651 | 5.269 |
| ***Normal*** | ***1845.168*** | ***1457.754*** | ***21.950*** | ***9.181*** |
| Weibull | 1861.739 | 1474.326 | 2.536 | 24.518 |

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| Table 3: Distribution identification on the most affected cities at minimum temperature | | | | |
| Distribution | AIC | BIC | Estimate | |
| Cauchy | 134.9946 | 128.2134 | 48939.0000 | 35739.0000 |
| Log-normal | 126.5008 | 119.7197 | 9.5057 | 2.2386 |
| Normal | 132.4077 | 125.6266 | 52017.2000 | 50102.7093 |
| Weibull | 127.3052 | 120.5241 | 0.6090 | 44300.2082 |
| Exponential | 128.5933 | 121.8122 | 0.0019 |  |

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| Table 4: Distribution identification on the most affected cities at maximum temperature | | | | |
| Distribution | AIC | BIC | Estimate | |
| Cauchy | 158.5864 | 150.1699 | 10280.5000 | 23419.6249 |
| Log-normal | 145.1266 | 136.7101 | 8.7765 | 2.4873 |
| Normal | 161.7728 | 153.3563 | 43347.6667 | 63711.9842 |
| Weibull | 145.2793 | 136.8628 | 0.4818 | 23747.7589 |
| Exponential | 152.1241 | 143.7076 | 0.0023 |  |