COVID-19 Cases
As of Friday 5/01/2020, 5:00PM HST

Statistics regarding daily new cases and active cases of the six countries that has the highest number of total cases, China, Switzerland, Austria, Israel, South Korea, Australia, and Cyprus.

Source: https://www.worldometers.info/coronavirus/

Statistics regarding daily new cases are also included for Hawaii.
1. USA
2. Spain
3. Italy
4. UK

Active Cases in the United Kingdom

Active Cases
(Number of Infected People)
5. France
6. Germany

5-Day Moving Average Trendline

Daily New Cases

Active Cases in Germany

Active Cases
(Number of Infected People)
Switzerland
Israel

5-Day Moving Average Trendline

Active Cases in Israel

Active Cases
(Number of Infected People)

Linear Trendline
when \(y = 0; x = 38\)
(May 10)

\[y = -14.698x + 561.46\]
Cyprus

Cyprus Bar Chart of Daily New Cases from Peak Till Today

Logarithmic Trendline when $y = 0; x = 51$
(May 22)

$y = -13.63 \ln(x) + 53.531$
Correlation, $r$ (Between Cyprus and Hawaii) = 0.710
$r$ is significant at $a = 5\%$
<table>
<thead>
<tr>
<th>Country</th>
<th>Average of Daily New Cases from Last Five Days</th>
<th>Population</th>
<th>Pop./10m</th>
<th>Cut-off of COVID daily cases such that COVID death rate = present Influenza death rate</th>
<th>Linear Regression</th>
<th>Logarithmic Regression</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>3,272</td>
<td>46,751,178</td>
<td>4.675118</td>
<td>519</td>
<td>7/01/2020</td>
<td>1/30/2021</td>
</tr>
<tr>
<td>Italy</td>
<td>1,951</td>
<td>60,479,460</td>
<td>6.047946</td>
<td>671</td>
<td>5/25/2020</td>
<td>2/21/2021</td>
</tr>
<tr>
<td>Germany</td>
<td>1,261</td>
<td>83,730,512</td>
<td>8.373051</td>
<td>929</td>
<td>5/09/2020</td>
<td>6/22/2020</td>
</tr>
<tr>
<td>Switzerland</td>
<td>129</td>
<td>8,641,938</td>
<td>0.864194</td>
<td>96</td>
<td>5/05/2020</td>
<td>6/07/2020</td>
</tr>
<tr>
<td>Israel</td>
<td>132</td>
<td>8,628,141</td>
<td>0.862814</td>
<td>96</td>
<td>5/10/2020</td>
<td>7/15/2020</td>
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<tr>
<td>Cyprus</td>
<td>8</td>
<td>1,205,766</td>
<td>0.120576</td>
<td>13</td>
<td>5/03/2020</td>
<td>5/22/2020</td>
</tr>
<tr>
<td>France</td>
<td>1,049</td>
<td>65,247,490</td>
<td>6.524749</td>
<td>724</td>
<td>5/02/2020</td>
<td>5/18/2020</td>
</tr>
</tbody>
</table>