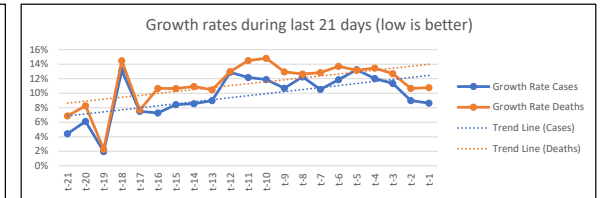
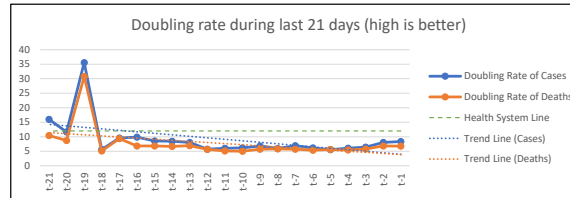
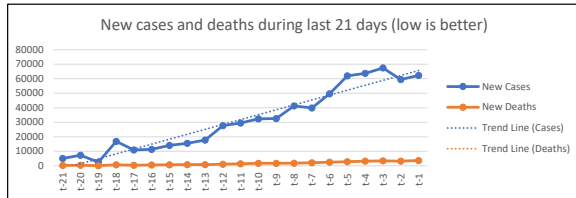


# COVID-19 Statistics WORLD

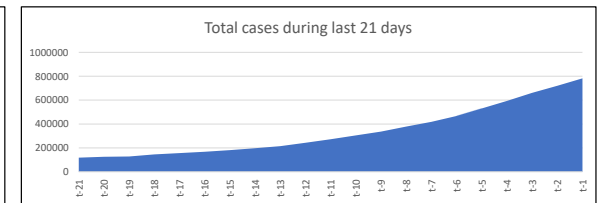
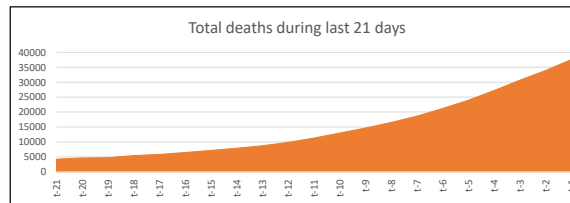
| WORLD   |       |                           |            |
|---|-------|---------------------------|------------|
| Data from:  |       | Data to:                  |            |
| 2020-03-10  |       | 2020-03-30                |            |
| Statistic created (t):  |       | Author:                   |            |
| 2020-04-06 (= t)  |       | Tom Gries                 |            |
| 1st Case:   | Days: | Population <sup>1</sup> : |            |
| December 2019   | ~ 91  | 7.750.000.000             |            |
| Sources of data <sup>2</sup> :  |       | Template:                 | A-20-04-04 |
| <a href="https://github.com/tomo-one/COVID-19-Statistics">https://github.com/tomo-one/COVID-19-Statistics</a> |       |                           |            |



|  | Actual Week     |                 |                 |            | One week ago    |                 |                 |            | Two weeks ago   |                 |                 |            |
|--|-----------------|-----------------|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|-----------------|------------|
|  | Total Cases (C) | Total Death (D) | C of Population | t-1        | Total Cases (C) | Total Death (D) | C of Population | t-2        | Total Cases (C) | Total Death (D) | C of Population | t-3        |
|  | 782.365         | 37.582          | 0,01%           | 2020-03-30 | 720.117         | 33.925          | 0,01%           | 2020-03-29 | 660.706         | 30.652          | 0,01%           | 2020-03-28 |
|  | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K |
|  | 62.248          | 3.657           | 10,10           | 0,48       | 59.411          | 3.273           | 9,29            | 0,44       | 67.415          | 3.454           | 8,53            | 0,40       |
|  | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   |
|  | 8,64%           | 10,78%          | 8,4 days        | 6,8 days   | 8,99%           | 10,68%          | 8,1 days        | 6,8 days   | 11,36%          | 12,70%          | 6,4 days        | 5,8 days   |
|  | t-4             |                 |                 |            | t-5             |                 |                 |            | t-6             |                 |                 |            |
|  | Total Cases (C) | Total Death (D) | C of Population | t-4        | Total Cases (C) | Total Death (D) | C of Population | t-5        | Total Cases (C) | Total Death (D) | C of Population | t-6        |
|  | 593.291         | 27.198          | 0,01%           | 2020-03-27 | 529.591         | 23.970          | 0,01%           | 2020-03-26 | 467.653         | 21.181          | 0,01%           | 2020-03-25 |
|  | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K |
|  | 63.700          | 3.228           | 7,66            | 0,35       | 61.938          | 2.789           | 6,83            | 0,31       | 49.608          | 2.556           | 6,03            | 0,27       |
|  | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   |
|  | 12,03%          | 13,47%          | 6,1 days        | 5,5 days   | 13,24%          | 13,17%          | 5,6 days        | 5,6 days   | 11,87%          | 13,72%          | 6,2 days        | 5,4 days   |
|  | t-7             |                 |                 |            | t-8             |                 |                 |            | t-9             |                 |                 |            |
|  | Total Cases (C) | Total Death (D) | C of Population | t-7        | Total Cases (C) | Total Death (D) | C of Population | t-8        | Total Cases (C) | Total Death (D) | C of Population | t-9        |
|  | 418.045         | 18.625          | 0,01%           | 2020-03-24 | 378.235         | 16.505          | 0,00%           | 2020-03-23 | 336.953         | 14.651          | 0,00%           | 2020-03-22 |
|  | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K |
|  | 39.810          | 2.120           | 5,39            | 0,24       | 41.282          | 1.854           | 4,88            | 0,21       | 32.557          | 1.678           | 4,35            | 0,19       |
|  | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   |
|  | 10,53%          | 12,84%          | 6,9 days        | 5,7 days   | 12,25%          | 12,65%          | 6,0 days        | 5,8 days   | 10,70%          | 12,93%          | 6,8 days        | 5,7 days   |
|  | t-10            |                 |                 |            | t-11            |                 |                 |            | t-12            |                 |                 |            |
|  | Total Cases (C) | Total Death (D) | C of Population | t-10       | Total Cases (C) | Total Death (D) | C of Population | t-11       | Total Cases (C) | Total Death (D) | C of Population | t-12       |
|  | 304.396         | 12.973          | 0,00%           | 2020-03-21 | 272.035         | 11.299          | 0,00%           | 2020-03-20 | 242.500         | 9.867           | 0,00%           | 2020-03-19 |
|  | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K |
|  | 32.361          | 1.674           | 3,93            | 0,17       | 29.535          | 1.432           | 3,51            | 0,15       | 27.679          | 1.134           | 3,13            | 0,13       |
|  | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   |
|  | 11,90%          | 14,82%          | 6,2 days        | 5,0 days   | 12,18%          | 14,51%          | 6,0 days        | 5,1 days   | 12,88%          | 12,99%          | 5,7 days        | 5,7 days   |
|  | t-13            |                 |                 |            | t-14            |                 |                 |            | t-15            |                 |                 |            |
|  | Total Cases (C) | Total Death (D) | C of Population | t-13       | Total Cases (C) | Total Death (D) | C of Population | t-14       | Total Cases (C) | Total Death (D) | C of Population | t-15       |
|  | 214.821         | 8.733           | 0,00%           | 2020-03-18 | 197.102         | 7.905           | 0,00%           | 2020-03-17 | 181.574         | 7.126           | 0,00%           | 2020-03-16 |
|  | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K |
|  | 15.528          | 779             | 2,54            | 0,10       | 17.719          | 828             | 2,77            | 0,11       | 14.120          | 686             | 2,34            | 0,09       |
|  | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   |
|  | 8,55%           | 10,93%          | 8,4 days        | 6,7 days   | 8,99%           | 10,47%          | 8,1 days        | 7,0 days   | 8,43%           | 10,65%          | 8,6 days        | 6,8 days   |
|  | t-16            |                 |                 |            | t-17            |                 |                 |            | t-18            |                 |                 |            |
|  | Total Cases (C) | Total Death (D) | C of Population | t-16       | Total Cases (C) | Total Death (D) | C of Population | t-17       | Total Cases (C) | Total Death (D) | C of Population | t-18       |
|  | 167.454         | 6.440           | 0,00%           | 2020-03-15 | 156.101         | 5.819           | 0,00%           | 2020-03-14 | 145.205         | 5.404           | 0,00%           | 2020-03-13 |
|  | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K |
|  | 11.353          | 621             | 2,16            | 0,08       | 10.896          | 415             | 2,01            | 0,08       | 16.853          | 684             | 1,87            | 0,07       |
|  | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   |
|  | 7,27%           | 10,67%          | 9,9 days        | 6,8 days   | 7,50%           | 7,68%           | 9,6 days        | 9,4 days   | 13,13%          | 14,49%          | 5,6 days        | 5,1 days   |
|  | t-19            |                 |                 |            | t-20            |                 |                 |            | t-21            |                 |                 |            |
|  | Total Cases (C) | Total Death (D) | C of Population | t-19       | Total Cases (C) | Total Death (D) | C of Population | t-20       | Total Cases (C) | Total Death (D) | C of Population | t-21       |
|  | 128.352         | 4.720           | 0,00%           | 2020-03-12 | 125.875         | 4.615           | 0,00%           | 2020-03-11 | 118.620         | 4.262           | 0,00%           | 2020-03-10 |
|  | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K | New C           | New D           | C per 100K      | D per 100K |
|  | 2.477           | 105             | 1,66            | 0,06       | 7.255           | 353             | 1,62            | 0,06       | 5.030           | 274             | 1,53            | 0,05       |
|  | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   | Growth C in %   | Growth D %      | Double C        | Double D   |
|  | 1,97%           | 2,28%           | 35,6 days       | 30,8 days  | 6,12%           | 8,28%           | 11,7 days       | 8,7 days   | 4,43%           | 6,87%           | 16,0 days       | 10,4 days  |

## Explanations:

Cases = C  
 Death(s) = D  
 Created (t): Date when the report was generated (referenced as t)  
 t - n: Report generation day minus n days  
 New Cases: Compared to the day before  
 New Death: Compared to the day before  
 Growth Rate: Groth rate compared to the day before in percent  
 Time to double: The time it takes until the actual cases/deathes are doubled in days  
 Recovered: Not used because this is not an official and countable number  
 CFR: Case Fatality Rate (letality). Not used because this can be computed only AFTER a pandemic. Actual not a serious number.

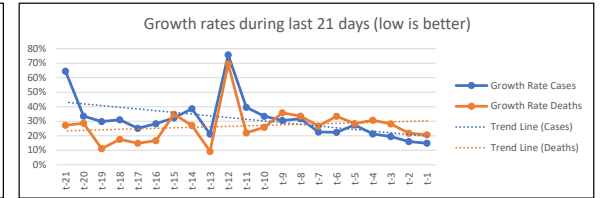
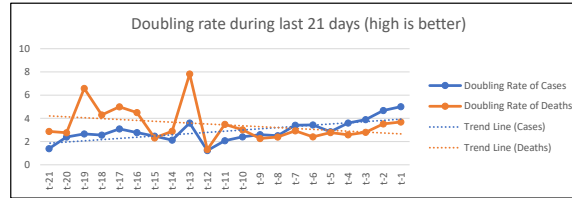
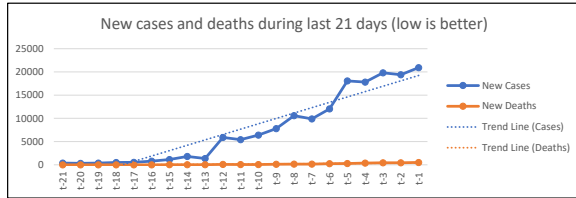


## Footnotes:

- <sup>1</sup> Population from Wikipedia (DE)
- <sup>2</sup> Source of original data: <https://github.com/datasets/covid-19/blob/master/data/time-series-19-covid-combined.csv>

# COVID-19 Statistics US (United States)

| US (United States)  |       |                           |            |
|---|-------|---------------------------|------------|
| Data from:  |       | Data to:                  |            |
| 2020-03-10  |       | 2020-03-30                |            |
| Statistic created (t):  |       | Author:                   |            |
| 2020-04-06 (= t)  |       | Tom Gries                 |            |
| 1st Case:   | Days: | Population <sup>1</sup> : |            |
| 2020-01-22  | 69    | 327.167.434               |            |
| Sources of data <sup>2</sup> :  |       | Template:                 | A-20-04-04 |
| <a href="https://github.com/tomo-one/COVID-19-Statistics">https://github.com/tomo-one/COVID-19-Statistics</a> |       |                           |            |



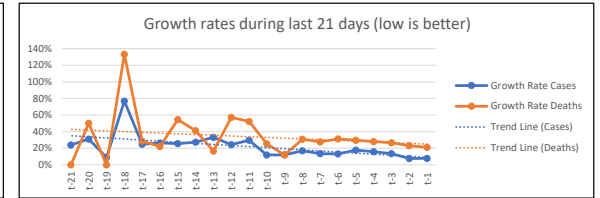
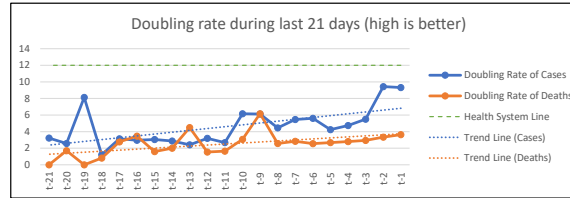
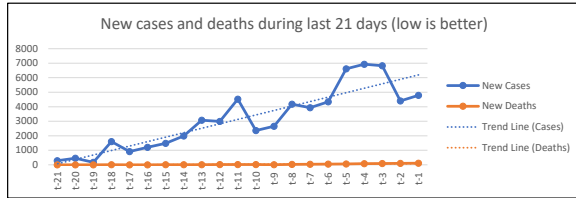
|             |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
|-------------|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|
| Actual Week | Total Cases (C) Total Death (D) C of Population t-1 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-2 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-3 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-4 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-5 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-6 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-7 |  |  |  |  |
|             | 161.807 2.978 0,05% 2020-03-30                      |  |  |  |  | 140.886 2.467 0,04% 2020-03-29                      |  |  |  |  | 121.478 2.026 0,04% 2020-03-28                      |  |  |  |  | 101.657 1.581 0,03% 2020-03-27                      |  |  |  |  | 83.836 1.209 0,03% 2020-03-26                       |  |  |  |  | 65.778 942 0,02% 2020-03-25                         |  |  |  |  | 53.740 706 0,02% 2020-03-24                         |  |  |  |  |
|             | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                   |  |  |  |  |
|             | 20.921 511 49,46 0,91                               |  |  |  |  | 19.408 441 43,06 0,75                               |  |  |  |  | 19.821 445 37,13 0,62                               |  |  |  |  | 17.821 372 31,07 0,48                               |  |  |  |  | 18.058 267 25,62 0,37                               |  |  |  |  | 12.038 236 20,11 0,29                               |  |  |  |  | 9.893 149 16,43 0,22                                |  |  |  |  |
|             | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D          |  |  |  |  |
|             | 14,85% 20,71% 5,0 days 3,7 days                     |  |  |  |  | 15,98% 21,77% 4,7 days 3,5 days                     |  |  |  |  | 19,50% 28,15% 3,9 days 2,8 days                     |  |  |  |  | 21,26% 30,77% 3,6 days 2,6 days                     |  |  |  |  | 27,45% 28,34% 2,9 days 2,8 days                     |  |  |  |  | 22,40% 33,43% 3,4 days 2,4 days                     |  |  |  |  | 22,56% 26,75% 3,4 days 2,9 days                     |  |  |  |  |

|              |   |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|---|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| One week ago | Total Cases (C) Total Death (D) C of Population t-8 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-9 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-10 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-11 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-12 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-13 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-14 |  |  |  |  |
|              | 43.847 557 0,01% 2020-03-23                         |  |  |  |  | 33.276 417 0,01% 2020-03-22                         |  |  |  |  | 25.489 307 0,01% 2020-03-21                          |  |  |  |  | 19.100 244 0,01% 2020-03-20                          |  |  |  |  | 13.677 200 0,00% 2020-03-19                          |  |  |  |  | 7.783 118 0,00% 2020-03-18                           |  |  |  |  | 6.421 108 0,00% 2020-03-17                           |  |  |  |  |
|              | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                   |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  |
|              | 10.571 140 13,40 0,17                               |  |  |  |  | 7.787 110 10,17 0,13                                |  |  |  |  | 6.389 63 7,79 0,09                                   |  |  |  |  | 5.423 44 5,84 0,07                                   |  |  |  |  | 5.894 82 4,18 0,06                                   |  |  |  |  | 1.362 10 2,38 0,04                                   |  |  |  |  | 1.789 23 1,96 0,03                                   |  |  |  |  |
|              | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D          |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  |
|              | 31,77% 33,57% 2,5 days 2,4 days                     |  |  |  |  | 30,55% 35,83% 2,6 days 2,3 days                     |  |  |  |  | 33,45% 25,82% 2,4 days 3,0 days                      |  |  |  |  | 39,65% 22,00% 2,1 days 3,5 days                      |  |  |  |  | 75,73% 69,49% 1,2 days 1,3 days                      |  |  |  |  | 21,21% 9,26% 3,6 days 7,8 days                       |  |  |  |  | 38,62% 27,06% 2,1 days 2,9 days                      |  |  |  |  |

|               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Two weeks ago | Total Cases (C) Total Death (D) C of Population t-15 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-16 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-17 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-18 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-19 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-20 |  |  |  |  | Total Cases (C) Total Death (D) C of Population t-21 |  |  |  |  |
|               | 4.632 85 0,00% 2020-03-16                            |  |  |  |  | 3.499 63 0,00% 2020-03-15                            |  |  |  |  | 2.727 54 0,00% 2020-03-14                            |  |  |  |  | 2.179 47 0,00% 2020-03-13                            |  |  |  |  | 1.663 40 0,00% 2020-03-12                            |  |  |  |  | 1.281 36 0,00% 2020-03-11                            |  |  |  |  | 959 28 0,00% 2020-03-10                              |  |  |  |  |
|               | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  | New C New D C per 100K D per 100K                    |  |  |  |  |
|               | 1.133 22 1,42 0,03                                   |  |  |  |  | 772 9 1,07 0,02                                      |  |  |  |  | 548 7 0,83 0,02                                      |  |  |  |  | 516 7 0,67 0,01                                      |  |  |  |  | 382 4 0,51 0,01                                      |  |  |  |  | 322 8 0,39 0,01                                      |  |  |  |  | 376 6 0,29 0,01                                      |  |  |  |  |
|               | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  | Growth C in % Growth D % Double C Double D           |  |  |  |  |
|               | 32,38% 34,92% 2,5 days 2,3 days                      |  |  |  |  | 28,31% 16,67% 2,8 days 4,5 days                      |  |  |  |  | 25,15% 14,89% 3,1 days 5,0 days                      |  |  |  |  | 31,03% 17,50% 2,6 days 4,3 days                      |  |  |  |  | 29,82% 11,11% 2,7 days 6,6 days                      |  |  |  |  | 33,58% 28,57% 2,4 days 2,8 days                      |  |  |  |  | 64,49% 27,27% 1,4 days 2,9 days                      |  |  |  |  |

# COVID-19 Statistics DE (Germany)

| DE (Germany)  |       |              |  |
|---|-------|--------------|--|
| Data from:  |       | Data to:     |  |
| 2020-03-10  |       | 2020-03-30   |  |
| Statistic created (t):  |       | Author:      |  |
| 2020-04-06 (= t)  |       | Tom Gries    |  |
| 1st Case:   | Days: | Population*: |  |
| 2020-01-27  | 64    | 83.019.213   |  |
| Sources of data*:   |       | Template:    |  |
| <a href="https://github.com/tomo-one/COVID-19-Statistics">https://github.com/tomo-one/COVID-19-Statistics</a> |       | A-20-04-04   |  |



| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-1        |
|---------------|-----------------|-----------------|-----------------|------------|
|               | 66.885          | 645             | 0,08%           | 2020-03-30 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 4.790           | 112             | 80,57           | 0,78       |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 7,71%           | 21,01%          | 9,3 days        | 3,6 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 7,71%           | 21,01%          | 9,3 days        | 3,6 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-2        |
|-----------------|-----------------|-----------------|------------|
| 62.095          | 533             | 0,07%           | 2020-03-29 |
| New C           | New D           | C per 100K      | D per 100K |
| 4.400           | 100             | 74,80           | 0,64       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 7,63%           | 23,09%          | 9,4 days        | 3,3 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-3        |
|-----------------|-----------------|-----------------|------------|
| 57.695          | 433             | 0,07%           | 2020-03-28 |
| New C           | New D           | C per 100K      | D per 100K |
| 6.824           | 91              | 69,50           | 0,52       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 13,41%          | 26,61%          | 5,5 days        | 2,9 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-4        |
|-----------------|-----------------|-----------------|------------|
| 50.871          | 342             | 0,06%           | 2020-03-27 |
| New C           | New D           | C per 100K      | D per 100K |
| 6.933           | 75              | 61,28           | 0,41       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 15,78%          | 28,09%          | 4,7 days        | 2,8 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-5        |
|-----------------|-----------------|-----------------|------------|
| 43.938          | 267             | 0,05%           | 2020-03-26 |
| New C           | New D           | C per 100K      | D per 100K |
| 6.615           | 61              | 52,93           | 0,32       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 17,72%          | 29,61%          | 4,2 days        | 2,7 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-6        |
|-----------------|-----------------|-----------------|------------|
| 37.323          | 206             | 0,04%           | 2020-03-25 |
| New C           | New D           | C per 100K      | D per 100K |
| 4.337           | 49              | 44,96           | 0,25       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 13,15%          | 31,21%          | 5,6 days        | 2,6 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-7        |
|-----------------|-----------------|-----------------|------------|
| 32.986          | 157             | 0,04%           | 2020-03-24 |
| New C           | New D           | C per 100K      | D per 100K |
| 3.930           | 34              | 39,73           | 0,19       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 13,53%          | 27,64%          | 5,5 days        | 2,8 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-8        |
|-----------------|-----------------|-----------------|------------|
| 29.056          | 123             | 0,03%           | 2020-03-23 |
| New C           | New D           | C per 100K      | D per 100K |
| 4.183           | 29              | 35,00           | 0,15       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 16,82%          | 30,85%          | 4,5 days        | 2,6 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-9        |
|-----------------|-----------------|-----------------|------------|
| 24.873          | 94              | 0,03%           | 2020-03-22 |
| New C           | New D           | C per 100K      | D per 100K |
| 2.660           | 10              | 29,96           | 0,11       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 11,97%          | 11,90%          | 6,1 days        | 6,2 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-10       |
|-----------------|-----------------|-----------------|------------|
| 22.213          | 84              | 0,03%           | 2020-03-21 |
| New C           | New D           | C per 100K      | D per 100K |
| 2.365           | 17              | 26,76           | 0,10       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 11,92%          | 25,37%          | 6,2 days        | 3,1 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-11       |
|-----------------|-----------------|-----------------|------------|
| 19.848          | 67              | 0,02%           | 2020-03-20 |
| New C           | New D           | C per 100K      | D per 100K |
| 4.528           | 23              | 23,91           | 0,08       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 29,56%          | 52,27%          | 2,7 days        | 1,6 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-12       |
|-----------------|-----------------|-----------------|------------|
| 15.320          | 44              | 0,02%           | 2020-03-19 |
| New C           | New D           | C per 100K      | D per 100K |
| 2.993           | 16              | 18,45           | 0,05       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 24,28%          | 57,14%          | 3,2 days        | 1,5 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-13       |
|-----------------|-----------------|-----------------|------------|
| 12.327          | 28              | 0,01%           | 2020-03-18 |
| New C           | New D           | C per 100K      | D per 100K |
| 3.070           | 4               | 14,85           | 0,03       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 33,16%          | 16,67%          | 2,4 days        | 4,5 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-14       |
|-----------------|-----------------|-----------------|------------|
| 9.257           | 24              | 0,01%           | 2020-03-17 |
| New C           | New D           | C per 100K      | D per 100K |
| 1.985           | 7               | 11,15           | 0,03       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 27,30%          | 41,18%          | 2,9 days        | 2,0 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-15       |
|-----------------|-----------------|-----------------|------------|
| 7.272           | 17              | 0,01%           | 2020-03-16 |
| New C           | New D           | C per 100K      | D per 100K |
| 1.477           | 6               | 8,76            | 0,02       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 25,49%          | 54,55%          | 3,1 days        | 1,6 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-16       |
|-----------------|-----------------|-----------------|------------|
| 5.795           | 11              | 0,01%           | 2020-03-15 |
| New C           | New D           | C per 100K      | D per 100K |
| 1.210           | 2               | 6,98            | 0,01       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 26,39%          | 22,22%          | 3,0 days        | 3,5 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-17       |
|-----------------|-----------------|-----------------|------------|
| 4.585           | 9               | 0,01%           | 2020-03-14 |
| New C           | New D           | C per 100K      | D per 100K |
| 910             | 2               | 5,52            | 0,01       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 24,76%          | 28,57%          | 3,1 days        | 2,8 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-18       |
|-----------------|-----------------|-----------------|------------|
| 3.675           | 7               | 0,00%           | 2020-03-13 |
| New C           | New D           | C per 100K      | D per 100K |
| 1.597           | 4               | 4,43            | 0,01       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 76,85%          | 133,33%         | 1,2 days        | 0,8 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

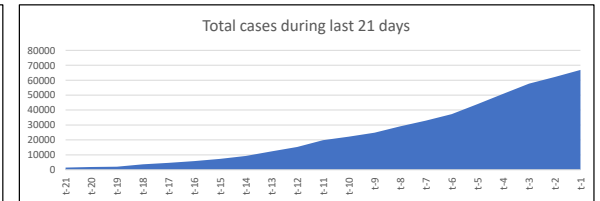
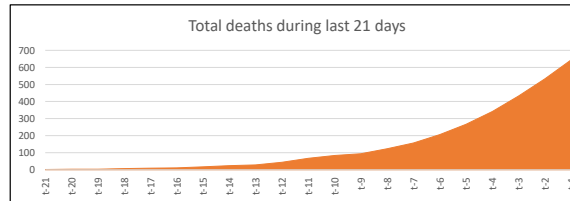
| Total Cases (C) | Total Death (D) | C of Population | t-19       |
|-----------------|-----------------|-----------------|------------|
| 2.078           | 3               | 0,00%           | 2020-03-12 |
| New C           | New D           | C per 100K      | D per 100K |
| 170             | 0               | 2,50            | 0,00       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 8,91%           | 0,00%           | 8,1 days        | -----      |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-20       |
|-----------------|-----------------|-----------------|------------|
| 1.908           | 3               | 0,00%           | 2020-03-11 |
| New C           | New D           | C per 100K      | D per 100K |
| 451             | 1               | 2,30            | 0,00       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 30,95%          | 50,00%          | 2,6 days        | 1,7 days   |
|                 |                 |                 |            |
|                 |                 |                 |            |

| Total Cases (C) | Total Death (D) | C of Population | t-21       |
|-----------------|-----------------|-----------------|------------|
| 1.457           | 2               | 0,00%           | 2020-03-10 |
| New C           | New D           | C per 100K      | D per 100K |
| 281             | 0               | 1,76            | 0,00       |
| Growth C in %   | Growth D %      | Double C        | Double D   |
| 23,89%          | 0,00%           | 3,2 days        | -----      |
|                 |                 |                 |            |
|                 |                 |                 |            |

## Explanations:

Cases = C  
Death(s) = D  
Created (t): Date when the report was generated (referenced as t)  
t - n: Report generation day minus n days  
New Cases: Compared to the day before  
New Death: Compared to the day before  
Growth Rate: Groth rate compared to the day before in percent  
Time to double: The time it takes until the actual cases/deathes are doubled in days  
Recovered: Not used because this is not an official and countable number  
CFR: Case Fatality Rate (letality). Not used because this can be computed only AFTER a pandemic. Actual not a serious number.

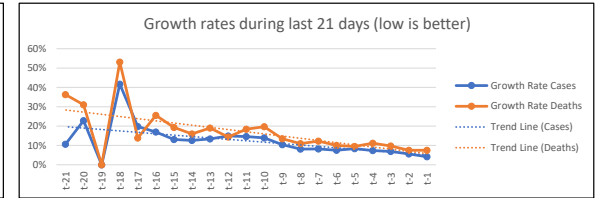
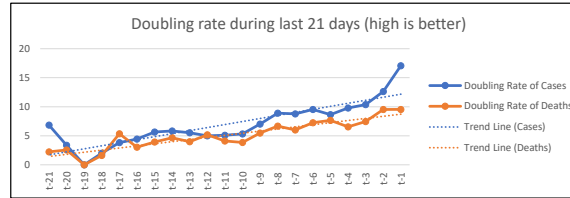
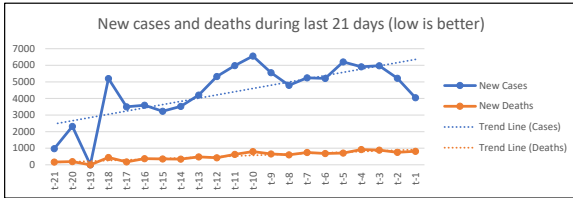


## Footnotes:

- Population from Wikipedia (DE)
- Source of original data: <https://github.com/datasets/covid-19/blob/master/data/time-series-19-covid-combined.csv>

# COVID-19 Statistics IT (Italy)

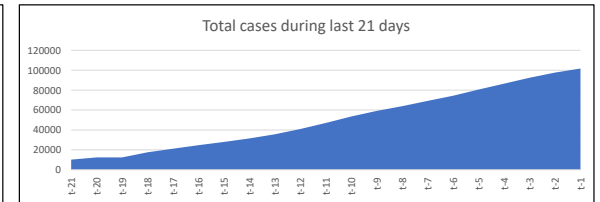
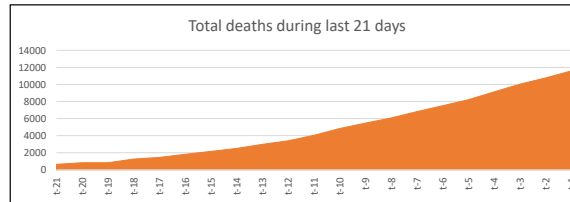
| IT (Italy)  |       |                           |  |
|---|-------|---------------------------|--|
| Data from:  |       | Data to:                  |  |
| 2020-03-10  |       | 2020-03-30                |  |
| Statistic created (t):  |       | Author:                   |  |
| 2020-04-06 (= t)  |       | Tom Gries                 |  |
| 1st Case:   | Days: | Population <sup>1</sup> : |  |
| 2020-01-31  | 60    | 60,262,701                |  |
| Sources of data <sup>2</sup> :  |       | Template:                 |  |
| <a href="https://github.com/tomo-one/COVID-19-Statistics">https://github.com/tomo-one/COVID-19-Statistics</a> |       | A-20-04-04                |  |



| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-1        |
|---------------|-----------------|-----------------|-----------------|------------|
|               | 101,739         | 11,591          | 0,17%           | 2020-03-30 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 4,050           | 812             | 168,83          | 19,23      |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 4,15%           | 7,53%           | 17,1 days       | 9,5 days   |
|               | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 4,15%           | 7,53%           | 17,1 days       | 9,5 days   |
| Two weeks ago | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 4,15%           | 7,53%           | 17,1 days       | 9,5 days   |
|               | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 4,15%           | 7,53%           | 17,1 days       | 9,5 days   |

## Explanations:

Cases = C  
 Death(s) = D  
 Created (t): Date when the report was generated (referenced as t)  
 t - n: Report generation day minus n days  
 New Cases: Compared to the day before  
 New Death: Compared to the day before  
 Growth Rate: Groth rate compared to the day before in percent  
 Time to double: The time it takes until the actual cases/deathes are doubled in days  
 Recovered: Not used because this is not an official and countable number  
 CFR: Case Fatality Rate (letality). Not used because this can be computed only AFTER a pandemic. Actual not a serious number.

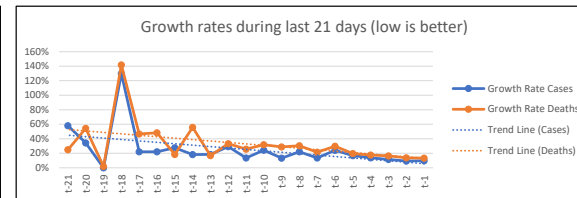
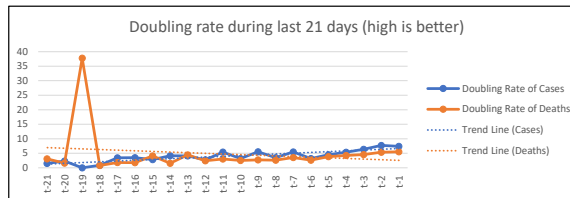
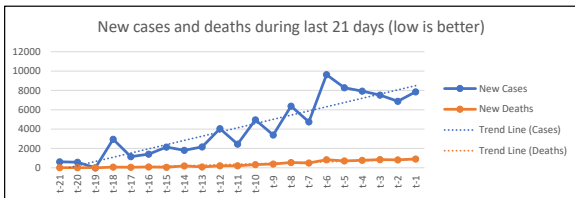


## Footnotes:

- <sup>1</sup> Population from Wikipedia (DE)
- <sup>2</sup> Source of original data: <https://github.com/datasets/covid-19/blob/master/data/time-series-19-covid-combined.csv>

# COVID-19 Statistics ES (Spain)

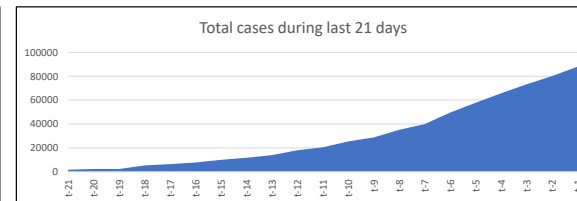
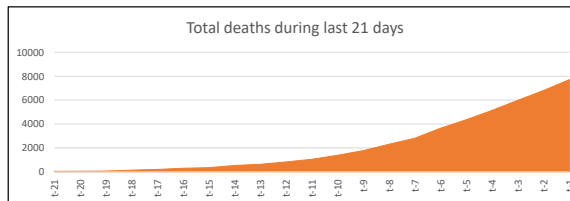
| ES (Spain)  |       |              |  |
|---|-------|--------------|--|
| Data from:  |       | Data to:     |  |
| 2020-03-10  |       | 2020-03-30   |  |
| Statistic created (t):  |       | Author:      |  |
| 2020-04-06 (=t)   |       | Tom Gries    |  |
| 1st Case:   | Days: | Population*: |  |
| 2020-02-01  | 59    | 46.722.980   |  |
| Sources of data*:   |       | Template:    |  |
| <a href="https://github.com/tomo-one/COVID-19-Statistics">https://github.com/tomo-one/COVID-19-Statistics</a> |       | A-20-04-04   |  |



| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-1        |
|---------------|-----------------|-----------------|-----------------|------------|
|               | 87.956          | 7.716           | 0,19%           | 2020-03-30 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 7.846           | 913             | 188,25          | 16,51      |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 9,79%           | 13,42%          | 7,4 days        | 5,5 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Total Cases (C) | Total Death (D) | C of Population | t-15       |
|               | 9.942           | 342             | 0,02%           | 2020-03-16 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 2.144           | 53              | 21,28           | 0,73       |
| Actual Week   | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 27,49%          | 18,34%          | 2,9 days        | 4,1 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| One week ago  | Total Cases (C) | Total Death (D) | C of Population | t-8        |
|               | 35.136          | 2.311           | 0,08%           | 2020-03-23 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 6.368           | 539             | 75,20           | 4,95       |
| Two weeks ago | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 22,14%          | 30,42%          | 3,5 days        | 2,6 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-2        |
|               | 80.110          | 6.803           | 0,17%           | 2020-03-29 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 6.875           | 821             | 171,46          | 14,56      |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 9,39%           | 13,72%          | 7,7 days        | 5,4 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Total Cases (C) | Total Death (D) | C of Population | t-16       |
|               | 7.798           | 289             | 0,02%           | 2020-03-15 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 1.407           | 94              | 16,69           | 0,62       |
| Actual Week   | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 22,02%          | 48,21%          | 3,5 days        | 1,8 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-3        |
|               | 73.235          | 5.982           | 0,16%           | 2020-03-28 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 7.516           | 844             | 156,74          | 12,80      |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 11,44%          | 16,43%          | 6,4 days        | 4,6 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Total Cases (C) | Total Death (D) | C of Population | t-17       |
|               | 6.391           | 195             | 0,01%           | 2020-03-14 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 1.159           | 62              | 13,68           | 0,42       |
| Actual Week   | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 22,15%          | 46,62%          | 3,5 days        | 1,8 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-4        |
|               | 65.719          | 5.138           | 0,14%           | 2020-03-27 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 7.933           | 773             | 140,66          | 11,00      |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 13,73%          | 17,71%          | 5,4 days        | 4,3 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Total Cases (C) | Total Death (D) | C of Population | t-18       |
|               | 5.232           | 133             | 0,01%           | 2020-03-13 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 2.955           | 78              | 11,20           | 0,28       |
| Actual Week   | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 129,78%         | 141,82%         | 0,8 days        | 0,8 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-5        |
|               | 57.786          | 4.365           | 0,12%           | 2020-03-26 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 8.271           | 718             | 123,68          | 9,34       |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 16,70%          | 19,69%          | 4,5 days        | 3,9 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Total Cases (C) | Total Death (D) | C of Population | t-19       |
|               | 2.277           | 55              | 0,00%           | 2020-03-12 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 0               | 1               | 4,87            | 0,12       |
| Actual Week   | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 0,00%           | 1,85%           | -----           | 37,8 days  |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-6        |
|               | 49.515          | 3.647           | 0,11%           | 2020-03-25 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 9.630           | 839             | 105,98          | 7,81       |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 24,14%          | 29,88%          | 3,2 days        | 2,7 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Total Cases (C) | Total Death (D) | C of Population | t-20       |
|               | 2.277           | 54              | 0,00%           | 2020-03-11 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 582             | 19              | 4,87            | 0,12       |
| Actual Week   | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 34,34%          | 54,29%          | 2,3 days        | 1,6 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-7        |
|               | 39.885          | 2.808           | 0,09%           | 2020-03-24 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 4.749           | 497             | 85,36           | 6,01       |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 13,52%          | 21,51%          | 5,5 days        | 3,6 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |
| Two weeks ago | Total Cases (C) | Total Death (D) | C of Population | t-21       |
|               | 1.695           | 35              | 0,00%           | 2020-03-10 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 622             | 7               | 3,63            | 0,07       |
| Actual Week   | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 57,97%          | 25,00%          | 1,5 days        | 3,1 days   |
|               |                 |                 |                 |            |
|               |                 |                 |                 |            |

## Explanations:

Cases = C  
Death(s) = D  
Created (t): Date when the report was generated (referenced as t)  
t - n: Report generation day minus n days  
New Cases: Compared to the day before  
New Death: Compared to the day before  
Growth Rate: Groth rate compared to the day before in percent  
Time to double: The time it takes until the actual cases/deathes are doubled in days  
Recovered: Not used because this is not an official and countable number  
CFR: Case Fatality Rate (letality). Not used because this can be computed only AFTER a pandemic. Actual not a serious number.

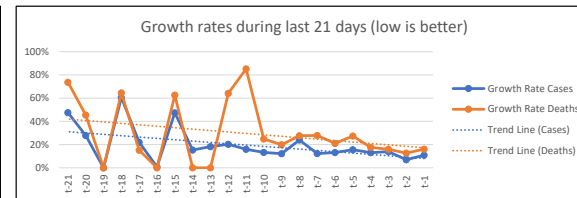
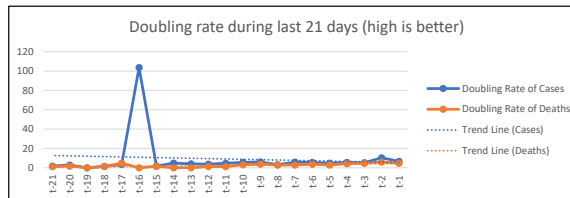
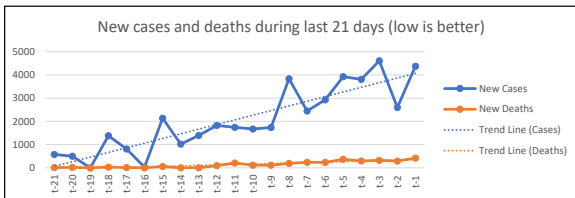


## Footnotes:

- Population from Wikipedia (DE)
- Source of original data: <https://github.com/datasets/covid-19/blob/master/data/time-series-19-covid-combined.csv>

# COVID-19 Statistics FR (France)

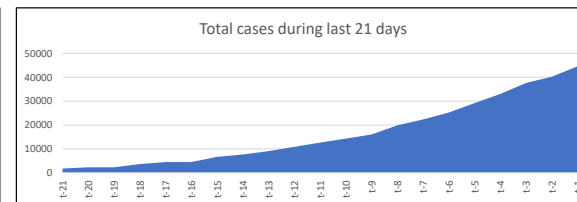
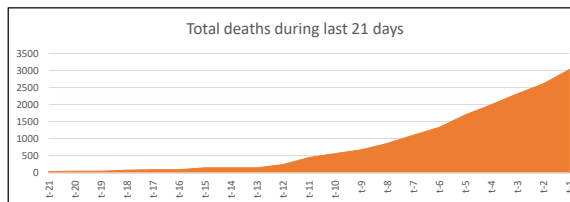
| FR (France)   |       |                           |            |
|---|-------|---------------------------|------------|
| Data from:  |       | Data to:                  |            |
| 2020-03-10  |       | 2020-03-30                |            |
| Statistic created (t):  |       | Author:                   |            |
| 2020-04-06 (= t)  |       | Tom Gries                 |            |
| 1st Case:   | Days: | Population <sup>1</sup> : |            |
| 2020-01-24  | 67    | 66.993.000                |            |
| Sources of data <sup>2</sup> :  |       | Template:                 | A-20-04-04 |
| <a href="https://github.com/tomo-one/COVID-19-Statistics">https://github.com/tomo-one/COVID-19-Statistics</a> |       |                           |            |



| Actual Week   | Total Cases (C) | Total Death (D) | C of Population | t-1        |
|---------------|-----------------|-----------------|-----------------|------------|
|               | 44.550          | 3.024           | 0,07%           | 2020-03-30 |
|               | New C           | New D           | C per 100K      | D per 100K |
|               | 4.376           | 418             | 66,50           | 4,51       |
| One week ago  | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 10,89%          | 16,04%          | 6,7 days        | 4,7 days   |
|               | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 10,89%          | 16,04%          | 6,7 days        | 4,7 days   |
| Two weeks ago | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 10,89%          | 16,04%          | 6,7 days        | 4,7 days   |
|               | Growth C in %   | Growth D %      | Double C        | Double D   |
|               | 10,89%          | 16,04%          | 6,7 days        | 4,7 days   |

## Explanations:

Cases = C  
 Death(s) = D  
 Created (t): Date when the report was generated (referenced as t)  
 t - n: Report generation day minus n days  
 New Cases: Compared to the day before  
 New Death: Compared to the day before  
 Growth Rate: Groth rate compared to the day before in percent  
 Time to double: The time it takes until the actual cases/deathes are doubled in days  
 Recovered: Not used because this is not an official and countable number  
 CFR: Case Fatality Rate (letality). Not used because this can be computed only AFTER a pandemic. Actual not a serious number.



## Footnotes:

- <sup>1</sup> Population from Wikipedia (DE)
- <sup>2</sup> Source of original data: <https://github.com/datasets/covid-19/blob/master/data/time-series-19-covid-combined.csv>