1. RECUPERARE DATI SULLA SITUAZIONE COVID GENNAIO 2021
2. CONFRONTARE I DATI 2021/2023 E DESCRIVERE LA SITUAZIONE
3. DESCRIVERE IL PROCESSO E GLI STRUMENTI DI BI UTILIZZATI PER ANALIZZARE I DATI COVID
4. RECUPERARE I DATI COVID IN FRANCIA 2021
5. IN UN FILE CSV CREARE UNA TABELLA PER DESCRIVERE LA SITUAZIONE COVID TRA FRANCIA E ITALIA

I punti 1 e 2 vengono rappresentati nelle due tabelle sottostanti.

I dati sono stati estrapolati dalla tabella scaricata dal seguente link <https://ourworldindata.org/coronavirus>

Partendo dal csv ho trattato i dati con excel, andando a selezionare le colonne interessate e modificando i filtri per poter vedere solo ed esclusivamente i dati importanti.

Tabella 1.

Dati Gennaio 2021

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **location** | **date** | **new\_cases** | **new\_deaths** | **icu\_patients** |
| Italy | 01/01/2021 | 234770 | 5550 | 2553 |
| Italy | 02/01/2021 | 222100 | 4620 | 2569 |
| Italy | 03/01/2021 | 118250 | 3640 | 2583 |
| Italy | 04/01/2021 | 142450 | 3470 | 2579 |
| Italy | 05/01/2021 | 107980 | 3480 | 2569 |
| Italy | 06/01/2021 | 153750 | 6490 | 2571 |
| Italy | 07/01/2021 | 203260 | 5480 | 2587 |
| Italy | 08/01/2021 | 184160 | 4140 | 2587 |
| Italy | 09/01/2021 | 175290 | 6200 | 2593 |
| Italy | 10/01/2021 | 199760 | 4830 | 2615 |
| Italy | 11/01/2021 | 186250 | 3610 | 2642 |
| Italy | 12/01/2021 | 125300 | 4480 | 2636 |
| Italy | 13/01/2021 | 142420 | 6160 | 2579 |
| Italy | 14/01/2021 | 157730 | 5070 | 2557 |
| Italy | 15/01/2021 | 172430 | 5220 | 2522 |
| Italy | 16/01/2021 | 161440 | 4770 | 2520 |
| Italy | 17/01/2021 | 163100 | 4750 | 2503 |
| Italy | 18/01/2021 | 125440 | 3770 | 2544 |
| Italy | 19/01/2021 | 88250 | 3770 | 2487 |
| Italy | 20/01/2021 | 104960 | 6030 | 2461 |
| Italy | 21/01/2021 | 135680 | 5240 | 2418 |
| Italy | 22/01/2021 | 140550 | 5210 | 2390 |
| Italy | 23/01/2021 | 136330 | 4720 | 2386 |
| Italy | 24/01/2021 | 133310 | 4880 | 2400 |
| Italy | 25/01/2021 | 116280 | 2990 | 2421 |
| Italy | 26/01/2021 | 85590 | 4200 | 2372 |
| Italy | 27/01/2021 | 105840 | 5410 | 2352 |
| Italy | 28/01/2021 | 151910 | 4670 | 2288 |
| Italy | 29/01/2021 | 143600 | 4920 | 2270 |
| Italy | 30/01/2021 | 135630 | 4770 | 2218 |
| Italy | 31/01/2021 | 127130 | 4210 | 2215 |
|  | **TOTALS** | **4580940** | **146750** | **76987** |

Tabella 2.

Dati Gennaio 2023

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **location** | **date** | **new\_cases** | **new\_deaths** | **icu\_patients** |
| Italy | 01/01/2023 | 243930 | 1260 | 308 |
| Italy | 02/01/2023 | 172400 | 540 | 312 |
| Italy | 03/01/2023 | 54300 | 860 | 319 |
| Italy | 04/01/2023 | 271020 | 1400 | 315 |
| Italy | 05/01/2023 | 192050 | 970 | 319 |
| Italy | 06/01/2023 | 178740 | 1220 | 320 |
| Italy | 07/01/2023 | 164940 | 710 | 308 |
| Italy | 08/01/2023 | 49670 | 440 | 308 |
| Italy | 09/01/2023 | 134250 | 530 | 308 |
| Italy | 10/01/2023 | 56200 | 650 | 303 |
| Italy | 11/01/2023 | 206160 | 1500 | 317 |
| Italy | 12/01/2023 | 121200 | 890 | 310 |
| Italy | 13/01/2023 | 108180 | 1040 | 293 |
| Italy | 14/01/2023 | 90820 | 860 | 287 |
| Italy | 15/01/2023 | 80640 | 790 | 277 |
| Italy | 16/01/2023 | 58140 | 290 | 276 |
| Italy | 17/01/2023 | 30380 | 740 | 263 |
| Italy | 18/01/2023 | 112190 | 780 | 237 |
| Italy | 19/01/2023 | 76180 | 730 | 227 |
| Italy | 20/01/2023 | 70530 | 760 | 228 |
| Italy | 21/01/2023 | 67030 | 540 | 232 |
| Italy | 22/01/2023 | 57450 | 590 | 229 |
| Italy | 23/01/2023 | 37200 | 160 | 217 |
| Italy | 24/01/2023 | 24990 | 440 | 226 |
| Italy | 25/01/2023 | 80610 | 730 | 206 |
| Italy | 26/01/2023 | 59000 | 540 | 205 |
| Italy | 27/01/2023 | 55310 | 450 | 200 |
| Italy | 28/01/2023 | 49740 | 380 | 195 |
| Italy | 29/01/2023 | 60370 | 330 | 202 |
| Italy | 30/01/2023 | 34430 | 250 | 197 |
| Italy | 31/01/2023 | 18270 | 330 | 193 |
|  | **TOTALS** | **3016320** | **21700** | **8137** |

Possiamo visibilmente notare come vi sia una sostanziale differenza tra il gennaio ’21 ed il gennaio ‘23.

Il Gennaio 2023 mostra come i nuovi casi siano oltre il milione inferiori rispetto allo stesso periodo di due anni precedenti. Inoltre la sostanziale differenza la si nota nei nuovi decessi e nei ricoveri in terapia intensiva, di gran lunga inferiori.

Nella tabella sottostante possiamo vedere invece i dati relativi alla Francia, sempre nel Gennaio ’21.

Anche in questo caso ho utilizzato i dati raccolti attraverso il csv scaricato da <https://ourworldindata.org/coronavirus>

Notiamo come i dati raccolti non siano stati costanti come per l’Italia ma sono basati su una gestione settimanale.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **location** | **date** | **new\_cases** | **new\_deaths** | **icu\_patients** |
| France | 01/01/2021 | 0 | 0 | 2609 |
| France | 02/01/2021 | 0 | 0 | 2632 |
| France | 03/01/2021 | 889480 | 29150 | 2665 |
| France | 04/01/2021 | 0 | 0 | 2657 |
| France | 05/01/2021 | 0 | 0 | 2616 |
| France | 06/01/2021 | 0 | 0 | 2607 |
| France | 07/01/2021 | 0 | 0 | 2573 |
| France | 08/01/2021 | 0 | 0 | 2606 |
| France | 09/01/2021 | 0 | 0 | 2600 |
| France | 10/01/2021 | 1222630 | 34290 | 2620 |
| France | 11/01/2021 | 0 | 0 | 2666 |
| France | 12/01/2021 | 0 | 0 | 2678 |
| France | 13/01/2021 | 0 | 0 | 2701 |
| France | 14/01/2021 | 0 | 0 | 2716 |
| France | 15/01/2021 | 0 | 0 | 2730 |
| France | 16/01/2021 | 0 | 0 | 2731 |
| France | 17/01/2021 | 1188420 | 34540 | 2766 |
| France | 18/01/2021 | 0 | 0 | 2803 |
| France | 19/01/2021 | 0 | 0 | 2829 |
| France | 20/01/2021 | 0 | 0 | 22842 |
| France | 21/01/2021 | 0 | 0 | 2866 |
| France | 22/01/2021 | 0 | 0 | 2902 |
| France | 23/01/2021 | 0 | 0 | 2886 |
| France | 24/01/2021 | 1301490 | 34140 | 2955 |
| France | 25/01/2021 | 0 | 0 | 3031 |
| France | 26/01/2021 | 0 | 0 | 3071 |
| France | 27/01/2021 | 0 | 0 | 3097 |
| France | 28/01/2021 | 0 | 0 | 3101 |
| France | 29/01/2021 | 0 | 0 | 3120 |
| France | 30/01/2021 | 0 | 0 | 3103 |
| France | 31/01/2021 | 1326240 | 31590 | 3148 |
|  | **TOTALS** | **5928260** | **163710** | **106927** |

Possiamo notare come la Francia abbia dei valori leggermente più alti rispetto all’Italia, se consideriamo che è popolata da circa 7.5 mln di persone in più rispetto al nostro territorio possiamo dire che la situazione italiana a Gennaio 2021 era più grave rispetto alla situazione francese.

Di seguito vediamo la copia del file csv riportato:

location;date;new\_cases;new\_deaths;reproduction\_rate;icu\_patients;hosp\_patients;new\_tests;positive\_rate

France;01/01/2021;0;0;109;2609.0;24263.0;33230.0;0.05

France;02/01/2021;0;0;109;2632.0;24458.0;229945.0;0.052

France;03/01/2021;889480;29150;11;2665.0;24780.0;47167.0;0.052

France;04/01/2021;0;0;112;2657.0;24962.0;427584.0;0.054

France;05/01/2021;0;0;114;2616.0;24871.0;344171.0;0.056

France;06/01/2021;0;0;115;2607.0;24708.0;312965.0;0.059

France;07/01/2021;0;0;114;2573.0;24488.0;326585.0;0.061

France;08/01/2021;0;0;114;2606.0;24377.0;349965.0;0.061

France;09/01/2021;0;0;114;2600.0;24240.0;188828.0;0.061

France;10/01/2021;1222630;34290;113;2620.0;24526.0;42284.0;0.061

France;11/01/2021;0;0;112;2666.0;24812.0;396891.0;0.061

France;12/01/2021;0;0;112;2678.0;24703.0;337586.0;0.06

France;13/01/2021;0;0;111;2701.0;24735.0;312557.0;0.06

France;14/01/2021;0;0;111;2716.0;24983.0;322366.0;0.061

France;15/01/2021;0;0;111;2730.0;25009.0;349966.0;0.062

France;16/01/2021;0;0;111;2731.0;24985.0;198381.0;0.062

France;17/01/2021;1188420;34540;11;2766.0;25235.0;44615.0;0.062

France;18/01/2021;0;0;11;2803.0;25584.0;397121.0;0.064

France;19/01/2021;0;0;11;2829.0;25532.0;336739.0;0.065

France;20/01/2021;0;0;109;2842.0;25650.0;320203.0;0.065

France;21/01/2021;0;0;109;2866.0;25699.0;339858.0;0.066

France;22/01/2021;0;0;108;2902.0;25872.0;382289.0;0.066

France;23/01/2021;0;0;108;2886.0;25864.0;201312.0;0.066

France;24/01/2021;1301490;34140;107;2955.0;26357.0;42558.0;0.066

France;25/01/2021;0;0;107;3031.0;26888.0;430993.0;0.065

France;26/01/2021;0;0;106;3071.0;27005.0;359146.0;0.064

France;27/01/2021;0;0;105;3097.0;27131.0;339847.0;0.064

France;28/01/2021;0;0;105;3101.0;27128.0;384679.0;0.063

France;29/01/2021;0;0;104;3120.0;27270.0;413938.0;0.062

France;30/01/2021;0;0;104;3103.0;27242.0;216782.0;0.061

France;31/01/2021;1326240;31590;104;3148.0;27573.0;44475.0;0.061

Italy;01/01/2021;234770;5550;109;2553.0;25375.0;157524.0;0.1186

Italy;02/01/2021;222100;4620;106;2569.0;25517.0;67174.0;0.1224

Italy;03/01/2021;118250;3640;106;2583.0;25658.0;102974.0;0.1224

Italy;04/01/2021;142450;3470;107;2579.0;25896.0;77993.0;0.1236

Italy;05/01/2021;107980;3480;108;2569.0;25964.0;135106.0;0.1274

Italy;06/01/2021;153750;6490;108;2571.0;25745.0;178596.0;0.1306

Italy;07/01/2021;203260;5480;106;2587.0;25878.0;121275.0;0.1347

Italy;08/01/2021;184160;4140;106;2587.0;25900.0;140267.0;0.1318

Italy;09/01/2021;175290;6200;107;2593.0;25853.0;172119.0;0.1257

Italy;10/01/2021;199760;4830;106;2615.0;26042.0;139758.0;0.1254

Italy;11/01/2021;186250;3610;103;2642.0;26245.0;91656.0;0.1254

Italy;12/01/2021;125300;4480;98;2636.0;26348.0;141641.0;0.1235

Italy;13/01/2021;142420;6160;95;2579.0;26104.0;175429.0;0.1192

Italy;14/01/2021;157730;5070;92;2557.0;25667.0;160585.0;0.1135

Italy;15/01/2021;172430;5220;91;2522.0;25363.0;273506.0;0.0992

Italy;16/01/2021;161440;4770;9;2520.0;25304.0;261404.0;0.0891

Italy;17/01/2021;163100;4750;88;2503.0;25260.0;211078.0;0.0797

Italy;18/01/2021;125440;3770;87;2544.0;25428.0;158674.0;0.0731

Italy;19/01/2021;88250;3770;86;2487.0;25186.0;254070.0;0.0651

Italy;20/01/2021;104960;6030;86;2461.0;24930.0;279762.0;0.0595

Italy;21/01/2021;135680;5240;86;2418.0;24463.0;267567.0;0.0539

Italy;22/01/2021;140550;5210;88;2390.0;24081.0;264728.0;0.0527

Italy;23/01/2021;136330;4720;89;2386.0;23789.0;286331.0;0.0502

Italy;24/01/2021;133310;4880;91;2400.0;23709.0;216211.0;0.0495

Italy;25/01/2021;116280;2990;93;2421.0;23845.0;126931.0;0.0503

Italy;26/01/2021;85590;4200;94;2372.0;23727.0;256287.0;0.0503

Italy;27/01/2021;105840;5410;95;2352.0;23513.0;293770.0;0.0508

Italy;28/01/2021;151910;4670;94;2288.0;23066.0;275579.0;0.0508

Italy;29/01/2021;143600;4920;94;2270.0;22667.0;268750.0;0.0506

Italy;30/01/2021;135630;4770;93;2218.0;22316.0;298010.0;0.0499

Italy;31/01/2021;127130;4210;94;2215.0;22311.0;213364.0;0.0498