## RAW-DATA 1 - COVID 19

## Identifiers

| **Variable** | **Description** |
| --- | --- |
| id | Unique identifier. |
| date | Observation date. |

## COVID-19 variables

| **Variable** | **Description** |
| --- | --- |
| deaths | Cumulative number of deaths. |
| confirmed | Cumulative number of confirmed cases. |
| tests | Cumulative number of tests. |
| vaccines | Cumulative number of doses administered. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses). If a person receives one dose of the vaccine, this metric goes up by 1. If they receive a second dose, it goes up by 1 again. |
| recovered | Cumulative number of patients released from hospitals or reported recovered. |
| hosp | Number of hospitalized patients on date. |
| icu | Number of hospitalized patients in ICUs on date. |
| vent | Number of patients requiring invasive ventilation on date. |
| population | Total population. |

## Policy measures

| **Variable** | **Description** |
| --- | --- |
| school\_closing | 0: No measures - 1: Recommend closing - 2: Require closing (only some levels or categories, eg just high school, or just public schools - 3: Require closing all levels. [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| workplace\_closing | 0: No measures - 1: Recommend closing (or work from home) - 2: require closing for some sectors or categories of workers - 3: require closing (or work from home) all-but-essential workplaces (eg grocery stores, doctors). [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| cancel\_events | 0: No measures - 1: Recommend cancelling - 2: Require cancelling. [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| gatherings\_restrictions | 0: No restrictions - 1: Restrictions on very large gatherings (the limit is above 1000 people) - 2: Restrictions on gatherings between 100-1000 people - 3: Restrictions on gatherings between 10-100 people - 4: Restrictions on gatherings of less than 10 people. [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| transport\_closing | 0: No measures - 1: Recommend closing (or significantly reduce volume/route/means of transport available) - 2: Require closing (or prohibit most citizens from using it). [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| stay\_home\_restrictions | 0: No measures - 1: recommend not leaving house - 2: require not leaving house with exceptions for daily exercise, grocery shopping, and “essential” trips - 3: Require not leaving house with minimal exceptions (e.g. allowed to leave only once every few days, or only one person can leave at a time, etc.). [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| internal\_movement\_restrictions | 0: No measures - 1: Recommend closing (or significantly reduce volume/route/means of transport) - 2: Require closing (or prohibit most people from using it). [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| international\_movement\_restrictions | 0: No measures - 1: Screening - 2: Quarantine arrivals from high-risk regions - 3: Ban on high-risk regions - 4: Total border closure. [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| information\_campaigns | 0: No COVID-19 public information campaign - 1: public officials urging caution about COVID-19 - 2: coordinated public information campaign (e.g. across traditional and social media). [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| testing\_policy | 0: No testing policy - 1: Only those who both (a) have symptoms AND (b) meet specific criteria (eg key workers, admitted to hospital, came into contact with a known case, returned from overseas) - 2: testing of anyone showing COVID-19 symptoms - 3: open public testing (eg “drive through” testing available to asymptomatic people). [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| contact\_tracing | 0: No contact tracing - 1: Limited contact tracing, not done for all cases - 2: Comprehensive contact tracing, done for all cases. [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |
| stringency\_index | Stringency of governmental responses. [More details](https://www.bsg.ox.ac.uk/sites/default/files/2020-04/BSG-WP-2020-032-v5.0.pdf) |

## Geographic information

| **Variable** | **Description** |
| --- | --- |
| latitude | Latitude. |
| longitude | Longitude. |
| administrative\_area\_level | Administrative area level. |
| administrative\_area\_level\_1 | Administrative area of top level. |
| administrative\_area\_level\_2 | Administrative area of a lower level, usually states, regions or cantons. |
| administrative\_area\_level\_3 | Administrative are of a lower level, usually cities or municipalities. |

## External Keys

The following keys allow to extend the dataset with external data.

| **Variable** | **Description** |
| --- | --- |
| key | Identifier used in governmental data. |
| key\_alpha\_2 | Two-letter code used in governmental data. |
| key\_numeric | Numeric code used in governmental data. |
| key\_google\_mobility | Identifier used in [Google Mobility Reports](https://www.google.com/covid19/mobility/). |
| key\_apple\_mobility | Identifier used in [Apple Mobility Reports](https://www.apple.com/covid19/mobility). |
| key\_jhu\_csse | Identifier used in the [JHU CSSE Unified COVID-19 Dataset](https://github.com/CSSEGISandData/COVID-19_Unified-Dataset). |