Attributes Descriptions

Countries Data

country_name, country_code

pop_total: Population, total

pop_density: Population density (people per sq. km of land area)

GDP: GDP per capita, PPP (current international \$)

basic_water: People using at least basic drinking water services (% of population)

safe_water: People using safely managed drinking water services (% of population)

basic_san: People using at least basic sanitation services (% of population)

safe_san: People using safely managed sanitation services (% of population)

Policies Data

Containment and closure policies

ID	Name	Description	Measurement	Coding
C1	C1_School closing	Record closings of schools and universities	Ordinal scale	1 - recommend closing 2 - require closing (only some levels or categories, eg just high school, or just public schools) 3 - require closing all levels
C2	C2_Workplace closing	Record closings of workplaces	Ordinal scale	1 - recommend closing (or recommend work from home) 2 - require closing (or work from home) for some sectors or categories of workers 3 - require closing (or work from home) for all-but-essential workplaces (eg grocery stores, doctors)
С3	C3_Cancel public events	Record cancelling public events	Ordinal scale	1 - recommend cancelling 2 - require cancelling
C4	C4_Restrictions on gatherings	Record limits on private gatherings	Ordinal scale	1 - restrictions on very large gatherings (the limit is above 1000 people) 2 - restrictions on gatherings between 101-1000 people 3 - restrictions on gatherings between 11-100 people 4 - restrictions on gatherings of 10 people or less
C5	C5_Close public transport	Record closing of public transport	Ordinal scale	1 - recommend closing (or significantly reduce volume/route/means of transport available) 2 - require closing (or prohibit most citizens from using it)
C6	C6_Stay at home requirements	Record orders to "shelter-in- place" and otherwise confine to the home	Ordinal scale	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 (eg allowed to leave once a week, or only one person can leave at a time, etc)
C7	C7_Restrictions on internal movement	Record restrictions on internal movement between cities/regions	Ordinal scale	1 - recommend not to travel between regions/cities 2 - internal movement restrictions in place
C8	C8_International travel controls	Record restrictions on international travel Note: this records policy for foreign travellers, not citizens	Ordinal scale	1 - screening arrivals2 - quarantine arrivals from some or all regions3 - ban arrivals from some regions4 - ban on all regions or total border closure

Economic policies

ID	Name	Description	Measurement	Coding
E1	E1_Income support (for households)	Record if the government is providing direct cash payments to people who lose their jobs or cannot work. Note: only includes payments to firms if explicitly linked to payroll/salaries	Ordinal scale	1 - government is replacing less than 50% of lost salary (or if a flat sum, it is less than 50% median salary) 2 - government is replacing 50% or more of lost salary (or if a flat sum, it is greater than 50% median salary)
E2	E2_Debt/contract relief (for households)	Record if the government is freezing financial obligations for households (eg stopping loan repayments, preventing services like water from stopping, or banning evictions)	Ordinal scale	1 - narrow relief, specific to one kind of contract 2 - broad debt/contract relief

Health system policies

ID	Name	Description	Measurement	Coding
H1	H1_Public information campaigns	Record presence of public info campaigns	Ordinal scale	public officials urging caution about Covid- vides of the covides of the
H2	H2_Testing policy	Record government policy on who has access to testing Note: this records policies about testing for current infection (PCR tests) not testing for immunity (antibody test)	Ordinal scale	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)
Н3	H3_Contact tracing	Record government policy on contact tracing after a positive diagnosis Note: we are looking for policies that would identify all people potentially exposed to Covid-19; voluntary bluetooth apps are unlikely to achieve this	Ordinal scale	1 - limited contact tracing; not done for all cases 2 - comprehensive contact tracing; done for all identified cases
Н6	H6_Facial Coverings	Record policies on the use of facial coverings outside the home	Ordinal scale	Recommended Required in some specified shared/public spaces outside the home with other people present, or some situations when social distancing not possible Required in all shared/public spaces outside the home with other people present or all situations when social distancing not possible Required outside the home at all times regardless of location or presence of other people

Related Indexes

'S tringency Index', 'Government Response Index', 'Containment Health Index', 'Economic Support Index', 'Economic Support Index', 'Economic Support Index', 'Containment Health Index', 'Economic Support Index', 'Economic Supp

Survey Data

All of the following are weighted to adjust for survey biases.

pct_fever - Estimated percentage of people reporting that they have experienced a fever in the past 24 hours

pct_cough - Estimated percentage of people reporting that they have experienced a cough in the past 24 hours

pct_difficulty_breathing - Estimated percentage of people reporting that they have experienced difficulty breathing in the past 24 hours

pct_fatigue - Estimated percentage of people reporting that they have experienced fatigue in the past 24 hours

pct_stuffy_runny_nose - Estimated percentage of people reporting that they have experienced a stuffy or runny nose in the past 24 hours

pct_aches_muscle_pain - Estimated percentage of people reporting that they have experienced aches or muscle pain in the past 24 hours pct_sore_throat - Estimated percentage of people reporting that they have experienced a sore throat in the past 24 hours pct_chest_pain - Estimated percentage of people reporting that they have experienced chest pain in the past 24 hours pct_nausea - Estimated percentage of people reporting that they have experienced nausea in the past 24 hours pct_anosmia_ageusia - Estimated percentage of people reporting that they have experienced loss of smell or taste in the past 24 hours pct_eye_pain - Estimated percentage of people reporting that they have experienced eye pain in the past 24 hours pct_headache - Estimated percentage of people reporting that they have experienced headaches in the past 24 hours pct_chills - Estimated percentage of people reporting that they have experienced chills in the past 24 hours pct_cmnty_sick -- Estimated percentage of people who personally know anyone in their local community reporting COVID-like illness pct_ever_tested - Estimated percentage of people reporting that they have ever gotten a test for COVID-19 pct_tested_recently - Estimated percentage of people reporting that they have ever gotten a test for COVID-19 recently* (last 14 days) pct_worked_outside_home - Estimated percentage of people reporting that they gone to work outside of the place they are staying in the last 24 hours pct_grocery_outside_home - Estimated percentage of people reporting that they gone to a grocery story, market, or pharmacy in the last 24 hours pct_ate_outside_home - Estimated percentage of people reporting that they gone to a restaurant, cafe, or shopping center in the last 24 hours pct_spent_time_with_non_hh - Estimated percentage of people reporting that they spent time with someone not staying with them over the last 24 hours pct_attended_public_event - Estimated percentage of people reporting that they attended a public event with more than 10 people in the last 24 hours pct_used_public_transit - Estimated percentage of people reporting that they used public transit in the last 24 hours pct_direct_contact_with_non_hh - Estimated percentage of people reporting that they have had direct contact (spending longer than 1 minute within 2 meters, or shaking hands, hugging, or kissing) with someone outside of their household in the last 24 hours

pct_wear_mask_all_time - Estimated percentage of people reporting that they wore a mask all the time when in public

pct_wear_mask_most_time - Estimated percentage of people reporting that they wore a mask most of the time when in public

pct_wear_mask_half_time - Estimated percentage of people reporting that they wore a mask half of the time when in public

pct_wear_mask_some_time - Estimated percentage of people reporting that they wore a mask all the time when in public

pct_wear_mask_none_time - Estimated percentage of people reporting that they did not wear a mask when in public

pct_no_public - Estimated percentage of people reporting that they they have not gone in public in the last 7 days

Mobility Data

Traveling Data

Relative volume of directions requests from Apple compared to a baseline volume on 13 January 2020

Driving, Walking, Transit

Activity in Areas

Relative activity for the corresponding areas compared to a baseline, which is the median value, for the corresponding day of the week, during the 5-week period Jan 3-Feb 6, 2020.

Retail and recreation: restaurants, cafes, shopping centers, theme parks, museums, libraries, and movie theaters.

Grocery and pharmacy: grocery markets, food warehouses, farmers markets, specialty food shops, drug stores, and pharmacies.

Parks: national parks, public beaches, marinas, dog parks, plazas, and public gardens

Transit stations: public transport hubs such as subway, bus, and train stations

Workplaces

Residential

COVID Data

prev_cases: previous number of cofirmed cases

new_cases_percentages: newly confirmed cases in percentage of the country's population (target variable), divided into four classes:

- 1. Class 0: <= 0.000441% of population
- 2. Class 1: > 0.000441%, <= 0.00221% of population
- 3. Class 2: > 0.00221%, <= 0.00788% of population
- 4. Class 3: > 0.00788% of population