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Codebook for Final Project

1. **Mathieu, et.al, 2020. "covid-19 data", https://github.com/owid/covid-19-data, Our World in Data.**

Access this link below for the codebook provided by the data source (you need to copy and paste the URL into your browser instead of clicking on the link!):

<https://github.com/owid/covid-19-data/blob/master/public/data/owid-covid-codebook.csv>

If the link does not work, below is the codebook for convenience:

* iso\_code: ISO 3166-1 alpha-3 – three-letter country codes
* continent: Continent of the geographical location
* location: geographical location
* date: date of observation
* total\_cases: total confirmed cases of COVID-19
* new\_cases: new confirmed cases of COVID-19
* new\_cases\_smoothed: new confirmed cases of COVID-19 (7-day smoothed)
* total\_deaths: total deaths attributed to COVID-19
* new\_deaths: new deaths attributed to COVID-19
* new\_deaths\_smoothed: new deaths attributed to COVID-19 (7-day smoothed)
* total\_cases\_per\_million: Total confirmed cases of COVID-19 per 1,000,000 people
* new\_cases\_per\_million: New confirmed cases of COVID-19 per 1,000,000 people
* new\_cases\_smoothed\_per\_million: New confirmed cases of COVID-19 (7-day smoothed) per 1,000,000 people
* total\_deaths\_per\_million: Total deaths attributed to COVID-19 per 1,000,000 people
* new\_deaths\_per\_million: New deaths attributed to COVID-19 per 1,000,000 people
* new\_deaths\_smoothed\_per\_million: New deaths attributed to COVID-19 (7-day smoothed) per 1,000,000 people
* total\_tests: total tests for COVID-19
* new\_tests: new tests for COVID-19
* new\_tests\_smoothed: New tests for COVID-19 (7-day smoothed). For countries that don't report testing data on a daily basis, we assume that testing changed equally on a daily basis over any periods in which no data was reported. This produces a complete series of daily figures, which is then averaged over a rolling 7-day window
* total\_tests\_per\_thousand: total tests for COVID-19 per 1,000 people
* new\_tests\_per\_thousand: new tests for COVID-19 per 1,000 people
* new\_tests\_smoothed\_per\_thousand: new tests for COVID-19 (7-day smoothed) per 1,000 people
* tests\_per\_case: Tests conducted per new confirmed case of COVID-19, given as a rolling 7-day average (this is the inverse of positive\_rate)
* positive\_rate: The share of COVID-19 tests that are positive, given as a rolling 7-day average (this is the inverse of tests\_per\_case)
* tests\_units: units used by the location to report its testing data
* stringency\_index: Government Response Stringency Index: composite measure based on 9 response indicators including school closures, workplace closures, and travel bans, rescaled to a value from 0 to 100 (100 = strictest response)
* population: population in 2020
* population\_density: Number of people divided by land area, measured in square kilometers, most recent year available
* median\_age: Median age of the population, UN projection for 2020
* aged\_65\_older: Share of the population that is 65 years and older, most recent year available
* aged\_70\_older: Share of the population that is 70 years and older in 2015
* gdp\_per\_capita: Gross domestic product at purchasing power parity (constant 2011 international dollars), most recent year available
* extreme\_poverty: Share of the population living in extreme poverty, most recent year available since 2010
* cardiovasc\_death\_rate: Death rate from cardiovascular disease in 2017 (annual number of deaths per 100,000 people)
* diabetes\_prevalence: Diabetes prevalence (% of population aged 20 to 79) in 2017
* female\_smokers: Share of women who smoke, most recent year available
* male\_smokers: Share of men who smoke, most recent year available
* handwashing\_facilities: Share of the population with basic handwashing facilities on premises, most recent year available
* hospital\_beds\_per\_thousand: Hospital beds per 1,000 people, most recent year available since 2010
* life\_expectancy: life expectancy at birth in 2019
* human\_development\_index: Summary measure of average achievement in key dimensions of human development: a long and healthy life, being knowledgeable and have a decent standard of living

1. **S., Claudia. 2020. "Vaccine Confidence Data - v2 via Gapminder", https://docs.google.com/spreadsheets/d/1\_EN4eAOS7zugaxQeEVYYVwFy3iFcBqzp5J6vvEGxJfI/edit#gid=501532268, Gapminder.**

Important note: “agree” and “disagree” are on a separate scale from “strongly agree”, “tend to agree”, “tend to disagree”, and “strongly disagree”.

Vaccine\_confidence\_1:

* Name: country name
* Geo: three-letter country code
* Country: country name in a different format
* Year: year of data collection
* Unweighted base: number of people surveyed
* Weighted base: number of people surveyed, weighted
* Vaccine\_importance\_strongly\_agree: count of people who strongly agree that vaccines are important
* Vaccine\_importance\_tend\_to\_agree: count of people who tend to agree that vaccines are important
* Vaccine\_importance\_tend\_to\_disagree: count of people who tend to disagree that vaccines are important
* Vaccine\_importance\_strongly\_disagree: count of people who strongly disagree that vaccines are important
* Vaccine\_importance \_agree: count of people who agree that vaccines are important
* Vaccine\_importance\_disagree: count of people who disagree that vaccines are important
* Vaccine\_importance\_do\_not\_know\_no\_response: count of people who do not know their opinion on vaccine importance or did not respond
* Vaccine\_importance\_strongly\_agree\_percent: percent of people who strongly agree that vaccines are important
* Vaccine\_importance\_tend\_to\_agree\_percent: percent of people who tend to agree that vaccines are important
* Vaccine\_importance\_tend\_to\_disagree\_percent: percent of people who tend to disagree that vaccines are important
* Vaccine\_importance\_strongly\_disagree\_percent: percent of people who strongly disagree that vaccines are important
* Vaccine\_importance \_agree\_percent: percent of people who agree that vaccines are important
* Vaccine\_importance\_disagree\_percent: percent of people who disagree that vaccines are important
* Vaccine\_importance\_do\_not\_know\_no\_response\_percent: percent of people who do not know their opinion on vaccine importance or did not respond
* Vaccine\_safety\_strongly\_agree: count of people who strongly agree that vaccines are safe
* Vaccine\_safety\_tend\_to\_agree: count of people who tend to agree that vaccines are safe
* Vaccine\_safety\_tend\_to\_disagree: count of people who tend to disagree that vaccines are safe
* Vaccine\_safety\_strongly\_disagree: count of people who strongly disagree that vaccines are safe
* Vaccine\_safety \_agree: count of people who agree that vaccines are safe
* Vaccine\_safety\_disagree: count of people who disagree that vaccines are safe
* Vaccine\_afety\_do\_not\_know\_no\_response: count of people who do not know their opinion on vaccine safety or did not respond
* Vaccine\_safety\_strongly\_agree\_percent: percent of people who strongly agree that vaccines are safe
* Vaccine\_safety\_tend\_to\_agree\_percent: percent of people who tend to agree that vaccines are safe
* Vaccine\_safety\_tend\_to\_disagree\_percent: percent of people who tend to disagree that vaccines are safe
* Vaccine\_safety\_strongly\_disagree\_percent: percent of people who strongly disagree that vaccines are safe
* Vaccine\_safety \_agree\_percent: percent of people who agree that vaccines are safe
* Vaccine\_safety\_disagree\_percent: percent of people who disagree that vaccines are safe
* Vaccine\_safety\_do\_not\_know\_no\_response\_percent: percent of people who do not know their opinion on vaccine safety or did not respond
* Vaccine\_effectiveness\_strongly\_agree: count of people who strongly agree that vaccines are effective
* Vaccine\_effectiveness\_tend\_to\_agree: count of people who tend to agree that vaccines are effective
* Vaccine\_effectivenes\_tend\_to\_disagree: count of people who tend to disagree that vaccines are effective
* Vaccine\_effectiveness\_strongly\_disagree: count of people who strongly disagree that vaccines are effective
* Vaccine\_effectiveness\_agree: count of people who agree that vaccines are effective
* Vaccine\_effectiveness\_disagree: count of people who disagree that vaccines are effective
* Vaccine\_effectiveness\_do\_not\_know\_no\_response: count of people who do not know their opinion on vaccine effectiveness or did not respond
* Vaccine\_effectiveness\_strongly\_agree\_percent: percent of people who strongly agree that vaccines are effective
* Vaccine\_effectiveness\_tend\_to\_agree\_percent: percent of people who tend to agree that vaccines are effective
* Vaccine\_effectiveness\_tend\_to\_disagree\_percent: percent of people who tend to disagree that vaccines are effective
* Vaccine\_effectiveness\_strongly\_disagree\_percent: percent of people who strongly disagree that vaccines are effective
* Vaccine\_effectiveness\_agree\_percent: percent of people who agree that vaccines are effective
* Vaccine\_effectiveness\_disagree\_percent: percent of people who disagree that vaccines are effective
* Vaccine\_effectiveness\_do\_not\_know\_no\_response\_percent: percent of people who do not know their opinion on vaccine effectiveness or did not respond
* Vaccine\_compatibility\_with\_religious\_beliefs\_strongly\_agree: count of people who strongly agree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_tend\_to\_agree: count of people who tend to agree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_tend\_to\_disagree: count of people who tend to disagree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_strongly\_disagree: count of people who strongly disagree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_agree: count of people who agree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_disagree: count of people who disagree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_do\_not\_know\_no\_response: count of people who do not know their opinion on vaccine compatibility with religious beliefs or did not respond
* Vaccine\_compatibility\_with\_religious\_beliefs\_strongly\_agree\_percent: percent of people who strongly agree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_tend\_to\_agree\_percent: percent of people who tend to agree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_tend\_to\_disagree\_percent: percent of people who tend to disagree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_strongly\_disagree\_percent: percent of people who strongly disagree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_agree\_percent: percent of people who agree that vaccines are compatible with religious beliefs
* Vaccine\_compatibility\_with\_religious\_beliefs\_disagree\_percent: percent of people who disagree that vaccines are compatible with religious beliefs
* Vaccine\_importance\_do\_not\_know\_no\_response\_percent: percent of people who do not know their opinion on vaccine compatibility with religious beliefs or did not respond

Vaccine\_confidence\_other:

Rows:

* Male: male gender
* Female: female gender
* Under 34: age is under 34
* 35-54: age is between 35-54
* 55+: age is 55 and above
* EU Europe: European in the European Union
* non-EU Europe: European and not in the European Union
* North America
* Latin America
* MENA: Middle East and North Africa
* Sub-Saharan Africa
* West Asia
* East Asia
* South Asia
* Low: unknown
* Medium: unknown
* High: unknown
* Christian
* Muslim
* Hindu
* Buddhist
* Jewish
* Atheist
* Other / refused: those of other religions and those who refused to answer regarding their religion
* G20 (excl EU): Group of Twenty excluding the European Union (the international forum)
* G7: Group of 7 (the international forum)

The columns are the same as those of the Vaccine\_confidence\_1 data – please refer to that codebook.