# Equations

## Past week daily average cases (y-axis value)

## Adjusted people vaccinated (x-axis value)

For the meaning of vaccination variables, see vaccination variables explained in the next section.

#### For countries where people\_fully\_vaccinated and people\_vaccinated are available

Adjusted people vaccinated number of people = people\_fully\_vaccinated + 0.5\*(people\_vaccinated - people\_fully\_vaccinated)

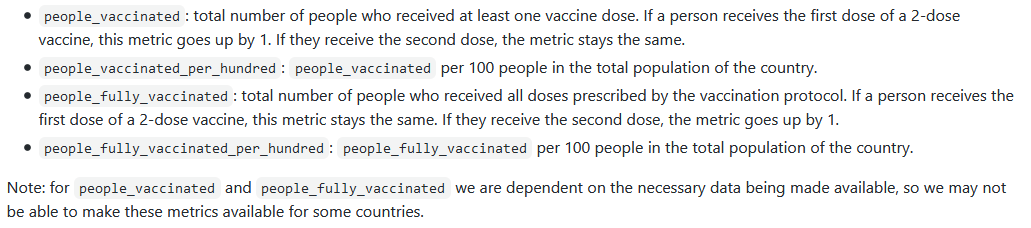
#### For countries where total\_vaccinations is available but people\_fully\_vaccinated and people\_vaccinated are NOT available

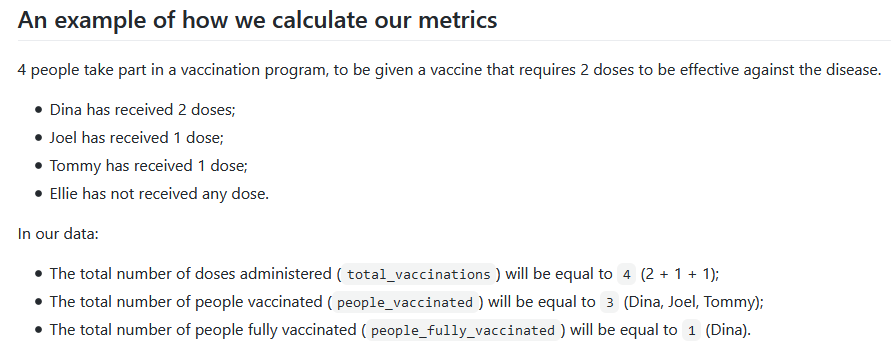
Adjusted people vaccinated number of people = 0.5\* total\_vaccinations

The reason why some countries/regions uses this equation of 0.5\*total\_vaccinations is because these countries/regions only provide total\_vaccinations number. As the number for fully vaccination is 2 (dosages) for these countries, I have used 0.5\*total\_vaccinations as the adjusted people vaccinated for these countries.

# Vaccination variables explained

The information below is from the [Github data source](https://github.com/owid/covid-19-data/tree/master/public/data/vaccinations) of Our World in Data.





# Different equations used for vaccination rate

Note that the plot presented in [Our World in Data](https://ourworldindata.org/covid-vaccinations) (also the data source provider) uses the number of at least one dose of COVID-19 vaccine (people\_vaccinated) to plot the vaccination rate, while my one uses the equations shown in the Adjusted people vaccinated (x-axis value) section. Therefore, the rate on my dashboard plots would be different from theirs.