

Covid19_Analyze

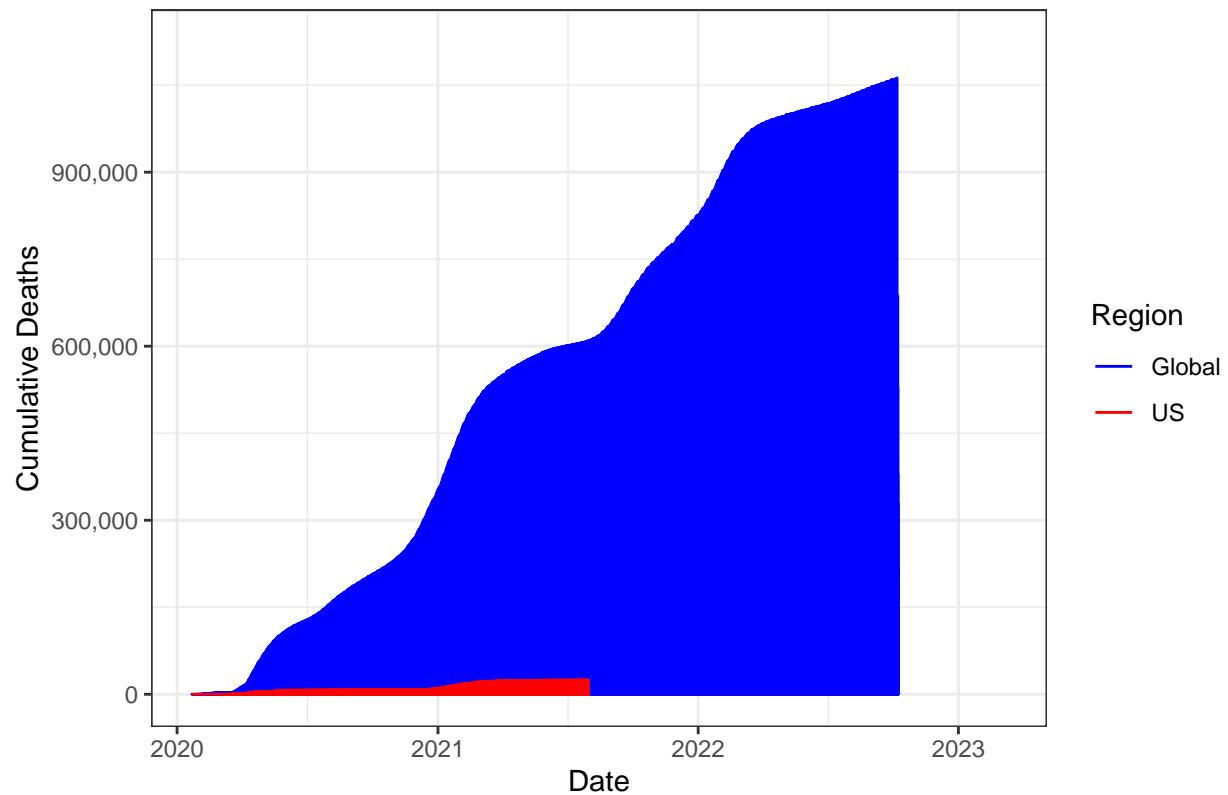
2025-04-12

```
US_deaths %>%
  pivot_longer(cols = -(UID:Population),
               names_to = "date",
               values_to = "deaths")

## # A tibble: 3,819,906 x 14
##       UID iso2 iso3 code3 FIPS Admin2 Province_State Country_Region   Lat
##   <dbl> <chr> <chr> <dbl> <dbl> <chr>      <chr>          <dbl>
## 1 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 2 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 3 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 4 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 5 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 6 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 7 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 8 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 9 84001001 US    USA     840  1001 Autauga Alabama        US      32.5
## 10 84001001 US   USA     840  1001 Autauga Alabama        US      32.5
## # i 3,819,896 more rows
## # i 5 more variables: Long_ <dbl>, Combined_Key <chr>, Population <dbl>,
## #   date <chr>, deaths <dbl>

US_deaths <- US_deaths %>%
  pivot_longer(cols = -(UID:Population),
               names_to = "date",
               values_to = "deaths") %>%
  select(Admin2:deaths) %>%
  mutate(date = mdy(date)) %>%
  select(-c(Lat, Long_))
```

COVID-19 Deaths Over Time



```
## `geom_smooth()` using formula = 'y ~ x'
```

US: Cumulative Cases vs. Cumulative Deaths

