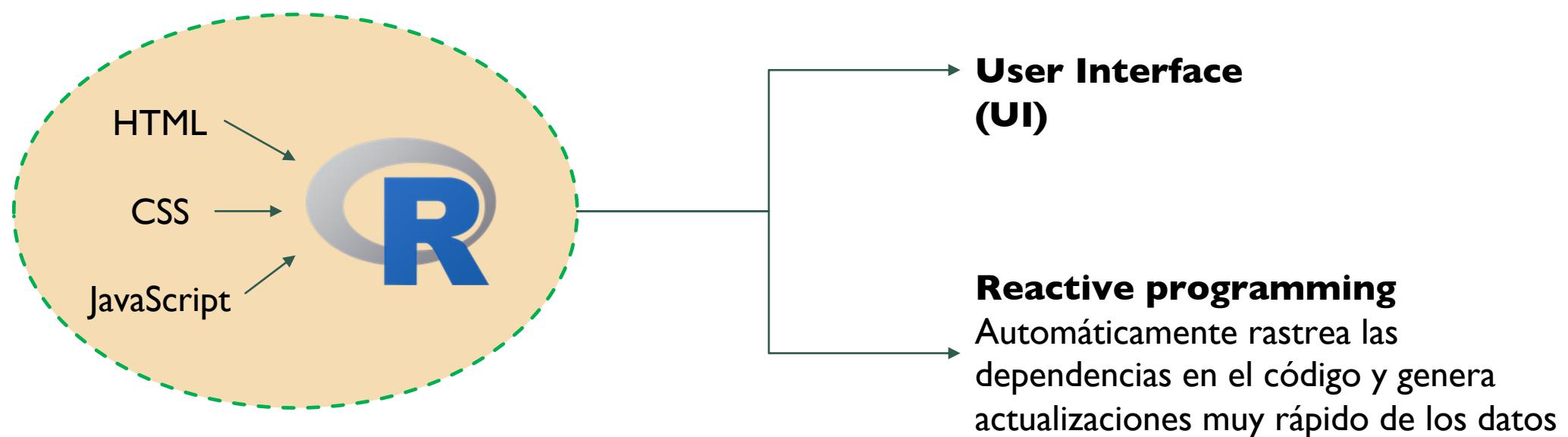


TEMA I

INTRODUCCIÓN
A SHINY

¿QUÉ ES SHINY APP?

Shiny es una paquetería que permite crear fácilmente aplicaciones web y exponer tu trabajo de forma interactiva para otros usuarios



Tema I.I

¿Cuándo usamos Shiny?



Tracking Home

Data Visualizations ▾

Global Map

U.S. Map

Data in Motion

Tracking FAQ

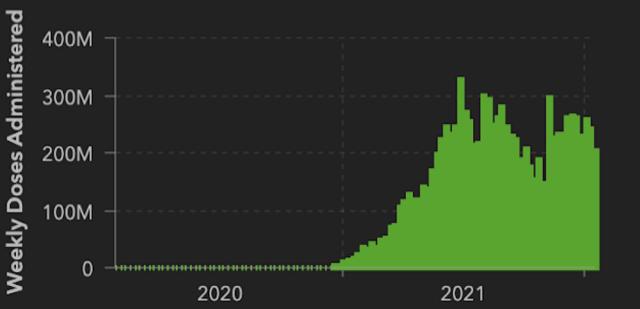
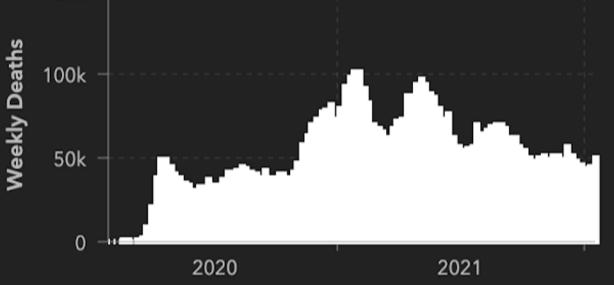
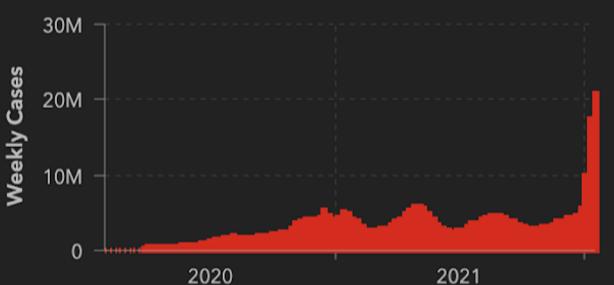


COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)

<https://coronavirus.jhu.edu/map.html>Last Updated at (M/D/YYYY)
21/1/2022 12:21Total Cases
344.002.803Total Deaths
5.578.967Total Vaccine Doses Administered
9.759.350.036Cases | Deaths by
Country/Region/Sovereignty**US**
28-Day: **17.479.329** |
42.845
Totals: **69.591.919** | **861.392****France**
28-Day: **6.721.223** | **5.825**
Totals: **15.715.702** | **129.105****Italy**
28-Day: **3.901.202** | **6.345**
Totals: **9.603.856** | **142.963****United Kingdom**
28-Day: **3.881.284** | **5.523**
Totals: **15.814.135** | **153.998****India**
28-Day: **3.793.401** | **9.263**
Totals: **38.566.027** | **488.396****Spain**
28-Day: **3.116.356** | **2.580**
Totals: **8.834.363** | **91.599**28-Day Cases
64.312.80828-Day Deaths
186.10928-Day Vaccine Doses Administered
809.080.419

Esri, FAO, NOAA

Powered by Esri



Admin0

28-Day

28-Day

28-Day

Weekly

28-Day



DOCS HELP LOGIN <

Genomic epidemiology of novel coronavirus - Global subsampling

 Built with [nextstrain/ncov](#). Maintained by the Nextstrain team. Enabled by data from .



Dataset

- ncov
- gisaid
- global

Date Range

201

2022-01-19

Color By

Clade

Type filter query here...

Tree Options

Layout

RADIAL

UNROOTED

CLOCK

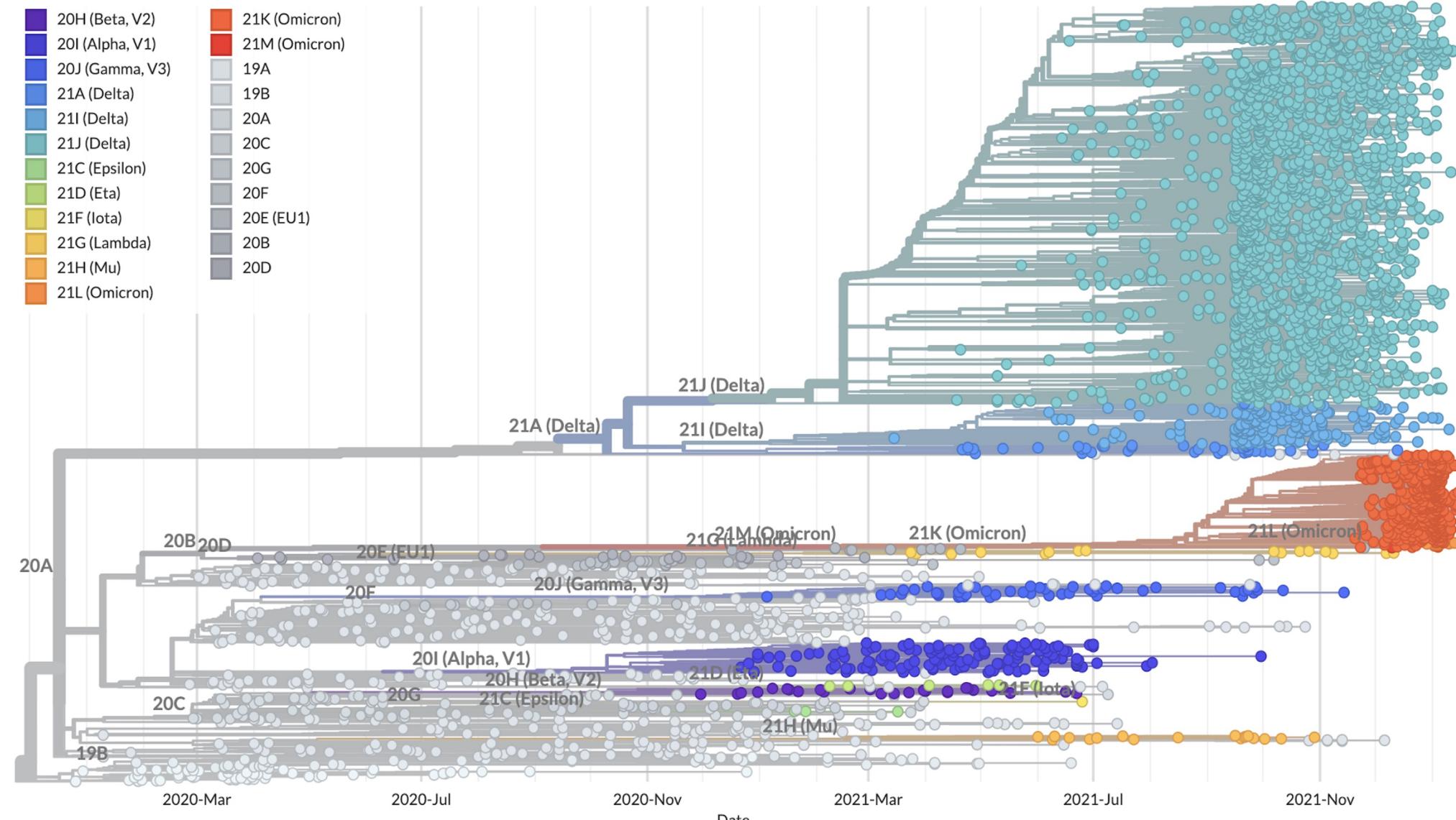
SCATTER

Phylogeny

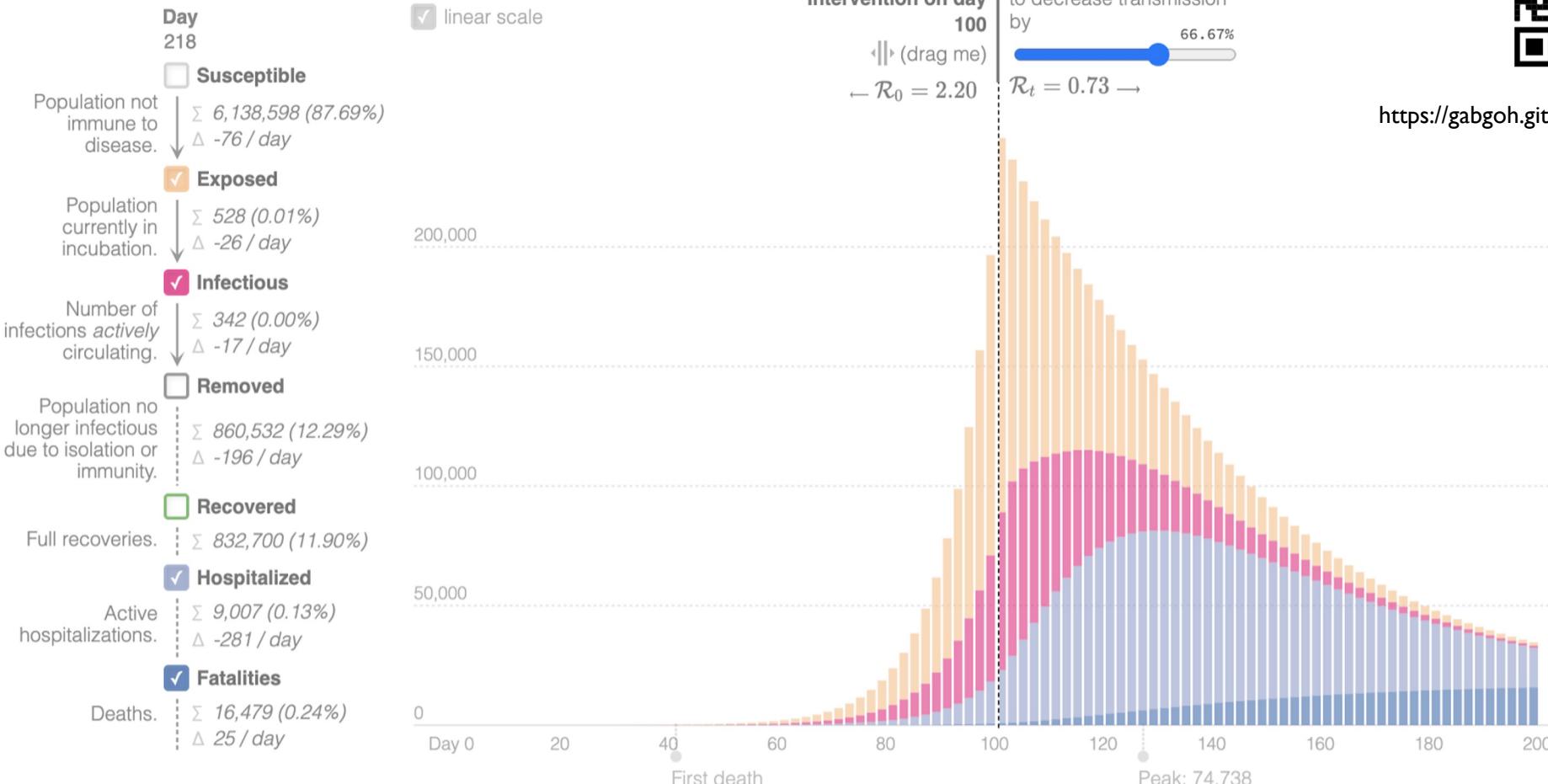
Clade ^

- | | |
|-----------------|---------------|
| 20H (Beta, V2) | 21K (Omicron) |
| 20I (Alpha, V1) | 21M (Omicron) |
| 20J (Gamma, V3) | 19A |
| 21A (Delta) | 19B |
| 21I (Delta) | 20A |
| 21J (Delta) | 20C |
| 21C (Epsilon) | 20G |
| 21D (Eta) | 20F |
| 21F (Iota) | 20E (EU1) |
| 21G (Lambda) | 20B |
| 21H (Mu) | 20D |
| 21L (Omicron) | |

<https://nextstrain.org/ncov/gisaid/global>



Epidemic Calculator



Transmission Dynamics

Population Inputs

Size of population.

7,000,000

Basic Reproduction Number \mathcal{R}_0

Measure of contagiousness: the number of secondary infections each infected individual produces.

Transmission Times

Length of incubation period, T_{inc} .

5.20 days

Duration patient is infectious, T_{inf} .

Clinical Dynamics

Mortality Statistics

Case fatality rate.

2.00 %

Recovery Times

Length of hospital stay

28.6 Days

Care statistics

Hospitalization rate.

20.00 %

<https://gabgoh.github.io/COVID/index.html>

1-way Analysis Of Variance (ANOVA)



<https://saskiacotto.de/shiny/>

Mean of population 1, μ_1 :

10 13 40

Mean of population 2, μ_2 :

10 23 40

Mean of population 3, μ_3 :

10 26 40

Population standard deviation, σ :

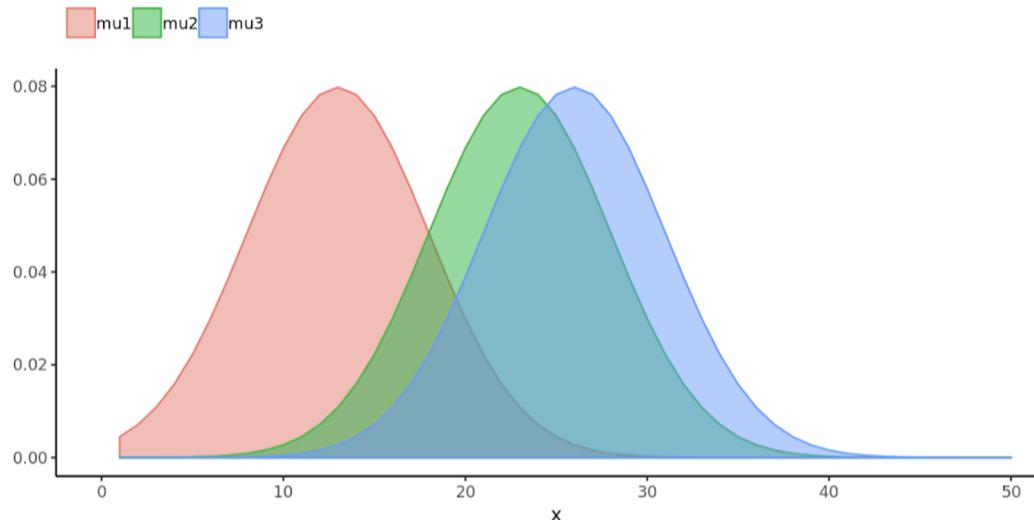
1 5 20

Sample size

2 30 100

This form allows you to set parameters for three populations. You can adjust the mean (μ) for each population (1, 2, or 3) using sliders ranging from 10 to 40. You can also set the population standard deviation (σ) from 1 to 20 and the sample size from 2 to 100.

Population distributions



Observed sample data

The red bars denote group means.

