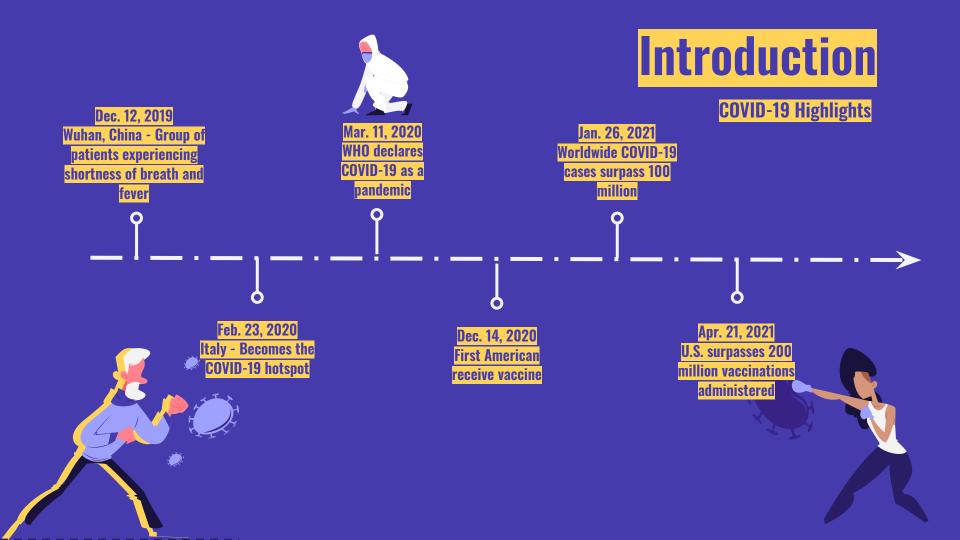
Exploring the spread of a pandemic



COVID-19

Dashboard Edition

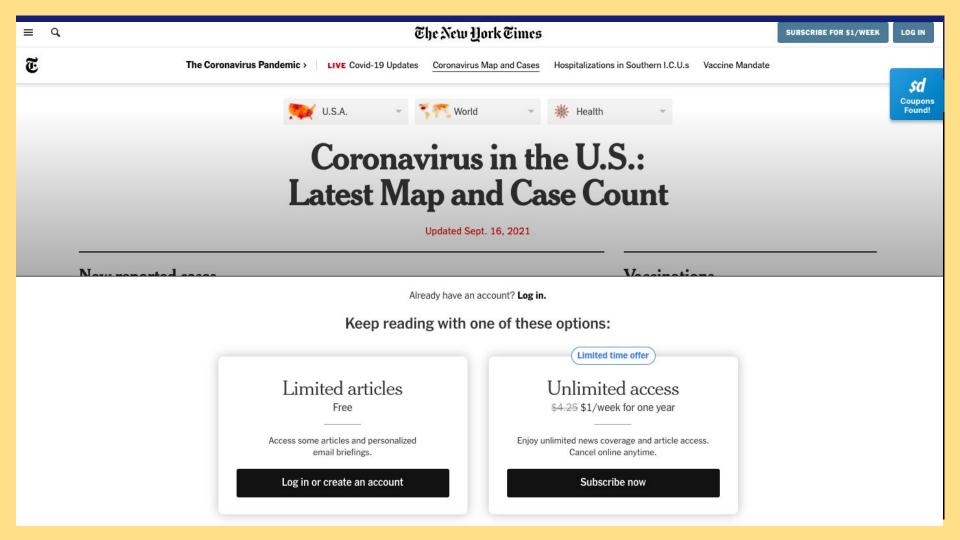
Connie Xiao





Problem

- Countless dashboards providing extensive analytics and visuals
 - Can feel overwhelmed and bombarded with information
 - Especially if you are just trying to get the 'gist' of it
 - Don't even know where to start looking
- Need to have a subscription to view tracker



Solution

#01

- User-friendly
 - Straight to the point

#02

- Interactive/animated graphs
 - o To engage users

Create my own dashboard!

#03

Providing up-to-date data

Methodology



CONFIRMED CASES

279 countries with 606 daily confirmed infections

RECOVERED CASES

264 countries with 606 daily recovered infections

DEATH CASES

279 countries with 606 daily death from infections



Data Overview

CASES BY COUNTRY

195 countries with 16 columns of data

DELTA VARIANT CASES

15,259 rows with 17 columns of data

OI.
EXTRACTING DATA

CSSE @ John Hopkin's

O4.
CLEANING DATA/EDA

Cleaning columns/rows
Using Plotly Express
and Flourish

02.

STORING TO

DATABASE

Loading files to SQLAlchemy

05.

CREATING WEB APP

Streamlit

03.

RETRIEVING DATA

Querying SQLite into dataframes

06.

DEPLOYING APP

Heroku



Results

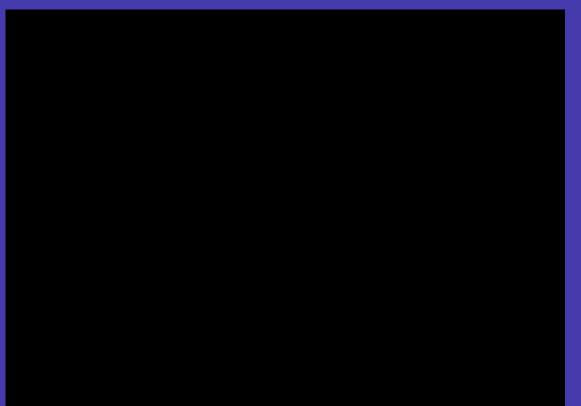
Dashboard Deployment



Streamlit → Heroku

COVID-19 DASHBOARD









Thank you!



