

# Top Data Visualizations

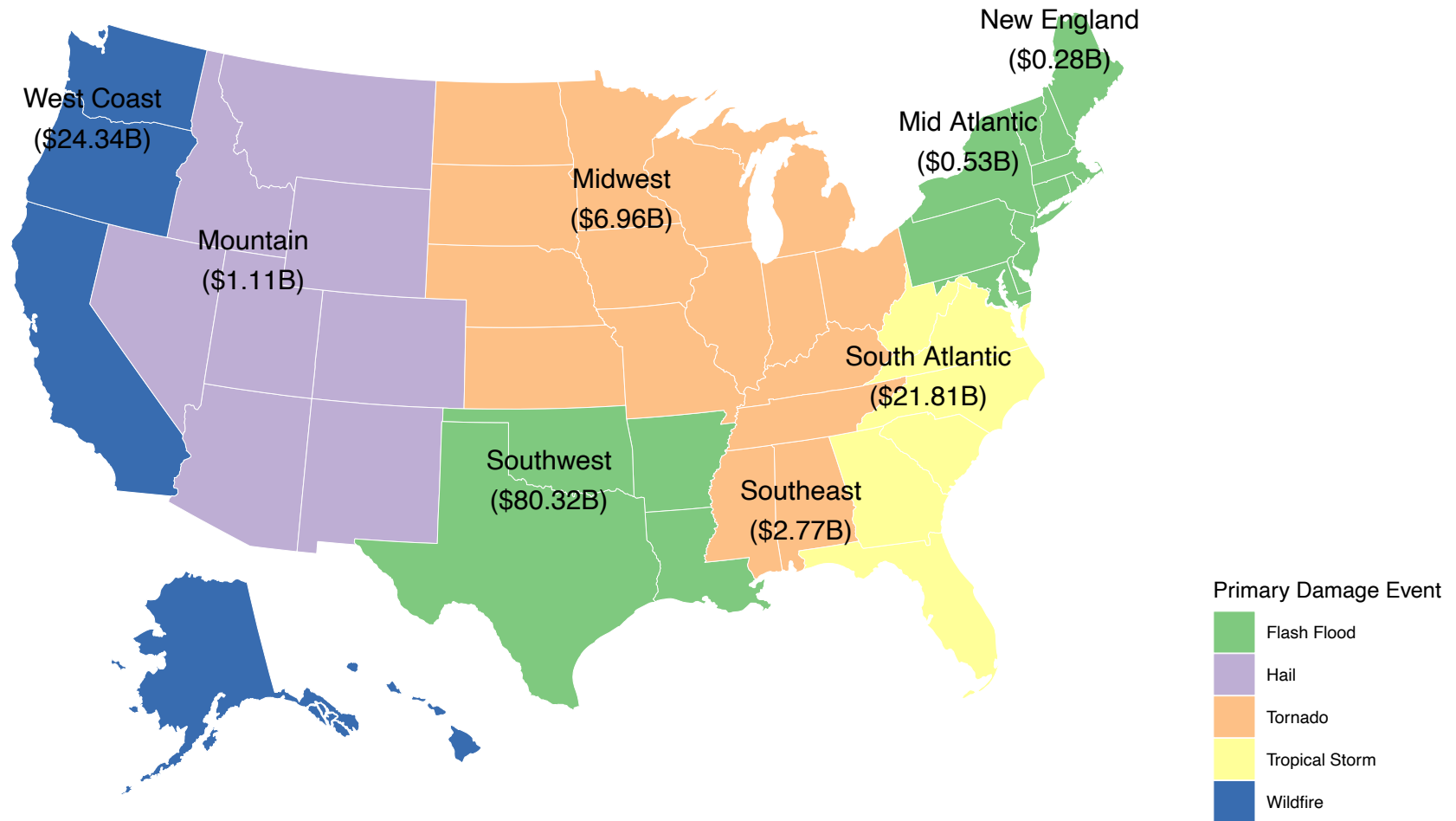
Data Visualization Contest  
GOVT16/QSS17  
(Spring 2021)

*The DV Mug Winners –*





### Total Damage Caused by Storms from 2016–2020, by Region

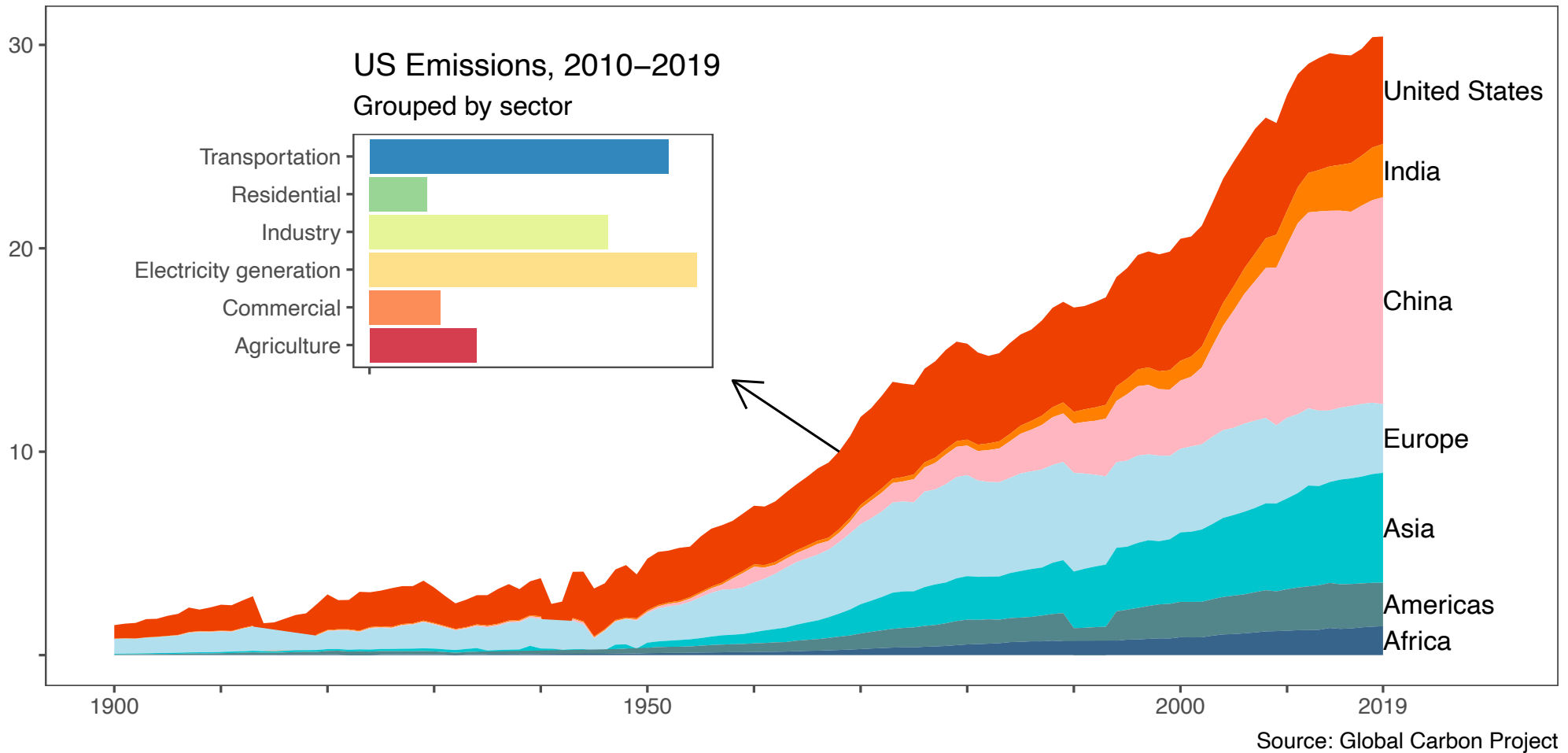


Note: Damage amount calculated as damage to property and crops.  
Source: National Center for Environmental Information, Storm Events Database (2016–2020)

My plot reveals the total economic damage across regions over the span of 2016-2020 due to major weather events, highlighting the primary event causing damage in each region. – Raaga Kannan '21



Where the gas comes from:  
CO2 emissions, gigatonnes, by country/region



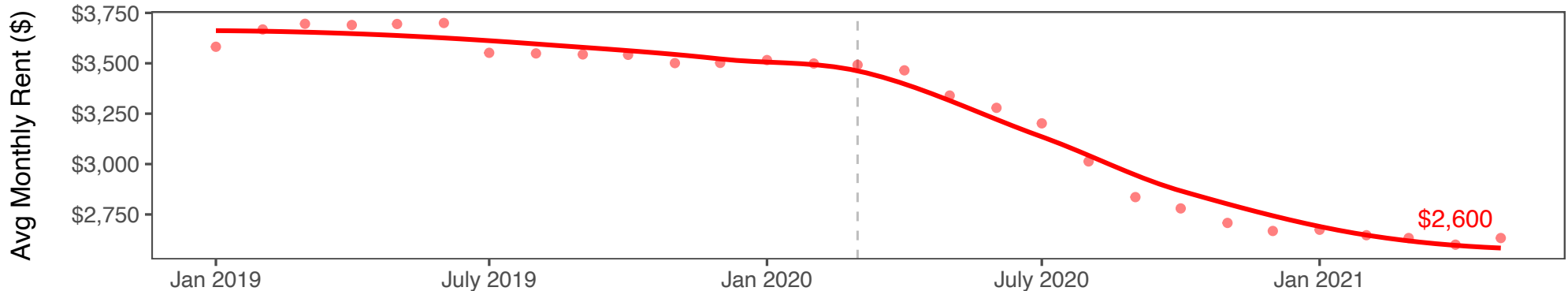
Where the gas comes from is a data visualization that illustrates where the world's CO2 emissions are coming from. There is also a breakdown of the United States (consistently one of the biggest contributors in the last century) emissions by sector. -  
**Tricia Mangan '19**



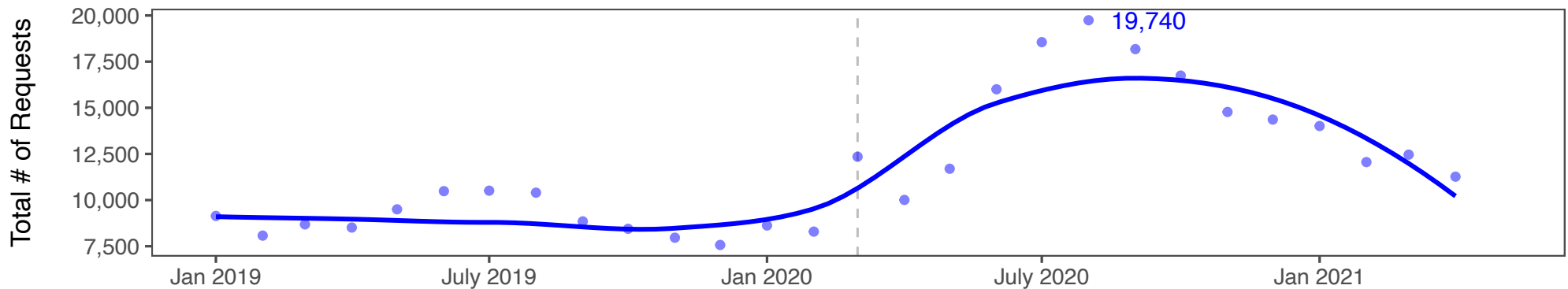
# San Francisco (SF): Changes in Rent and Residency Before & After the COVID-19 Pandemic Began

Shutdowns due to COVID-19 began in March 2020 as indicated by the dashed line

## Average Rent for a 1-Bedroom Apartment in SF



## U.S. Postal Service Change-of-Address Requests that Moved Out of SF

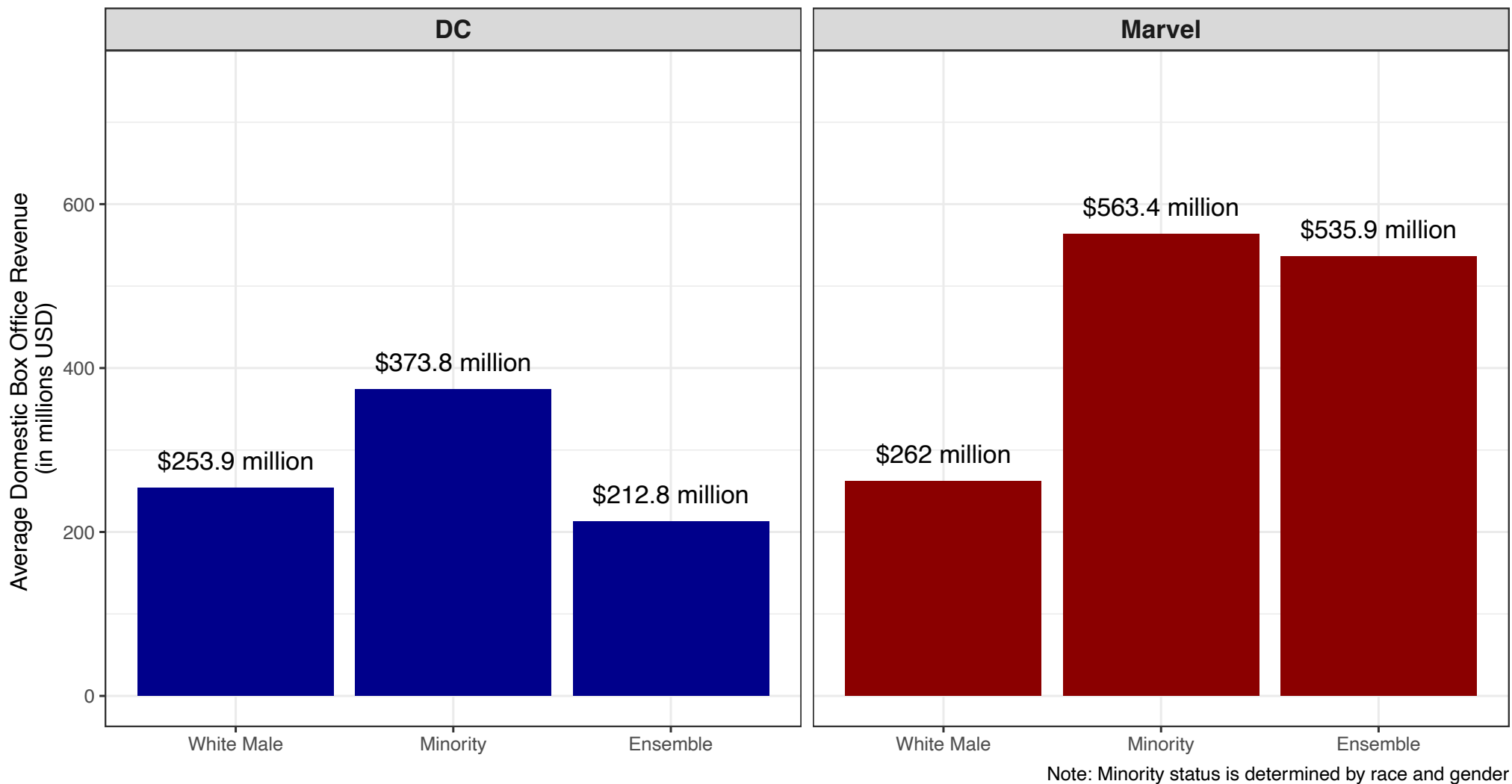


Source: USPS, Zumper.com

This figure compares rent and residency in San Francisco for about a year before and after the COVID-19 pandemic began shutdowns in March 2020. The top graph shows how average rent prices have declined roughly 30%, while the bottom graph shows how address changes out of SF have almost doubled. - **Jess Chen '21**



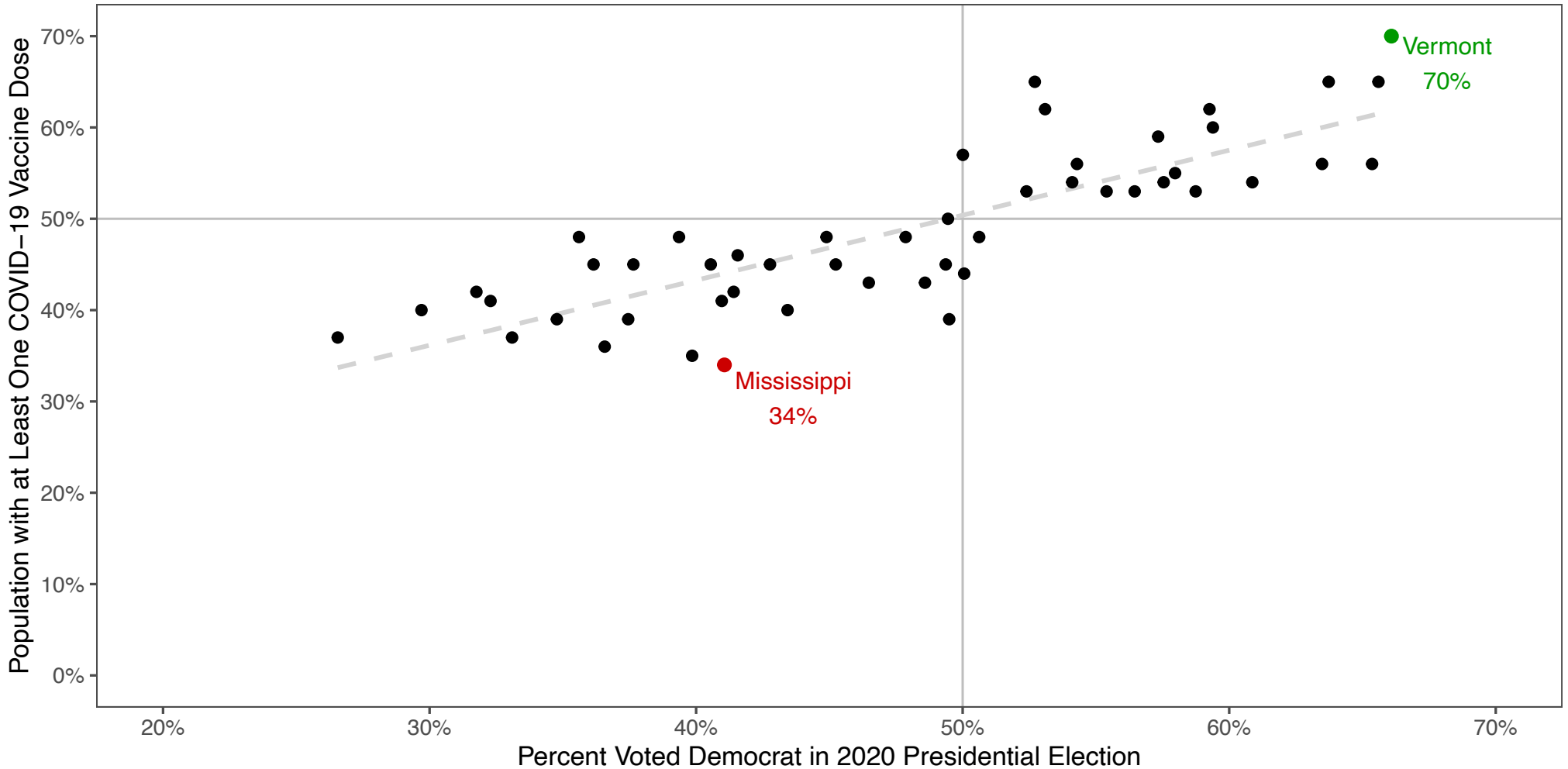
## US Audiences prefer Minority-led Superhero Films



US Audiences prefer Minority-led Superhero films over those featuring ensemble or Caucasian male leads, based on DC and Marvel domestic box office revenue data. - **Josh Freitag '23**



### COVID-19 Vaccination Rates and Political Party Preference

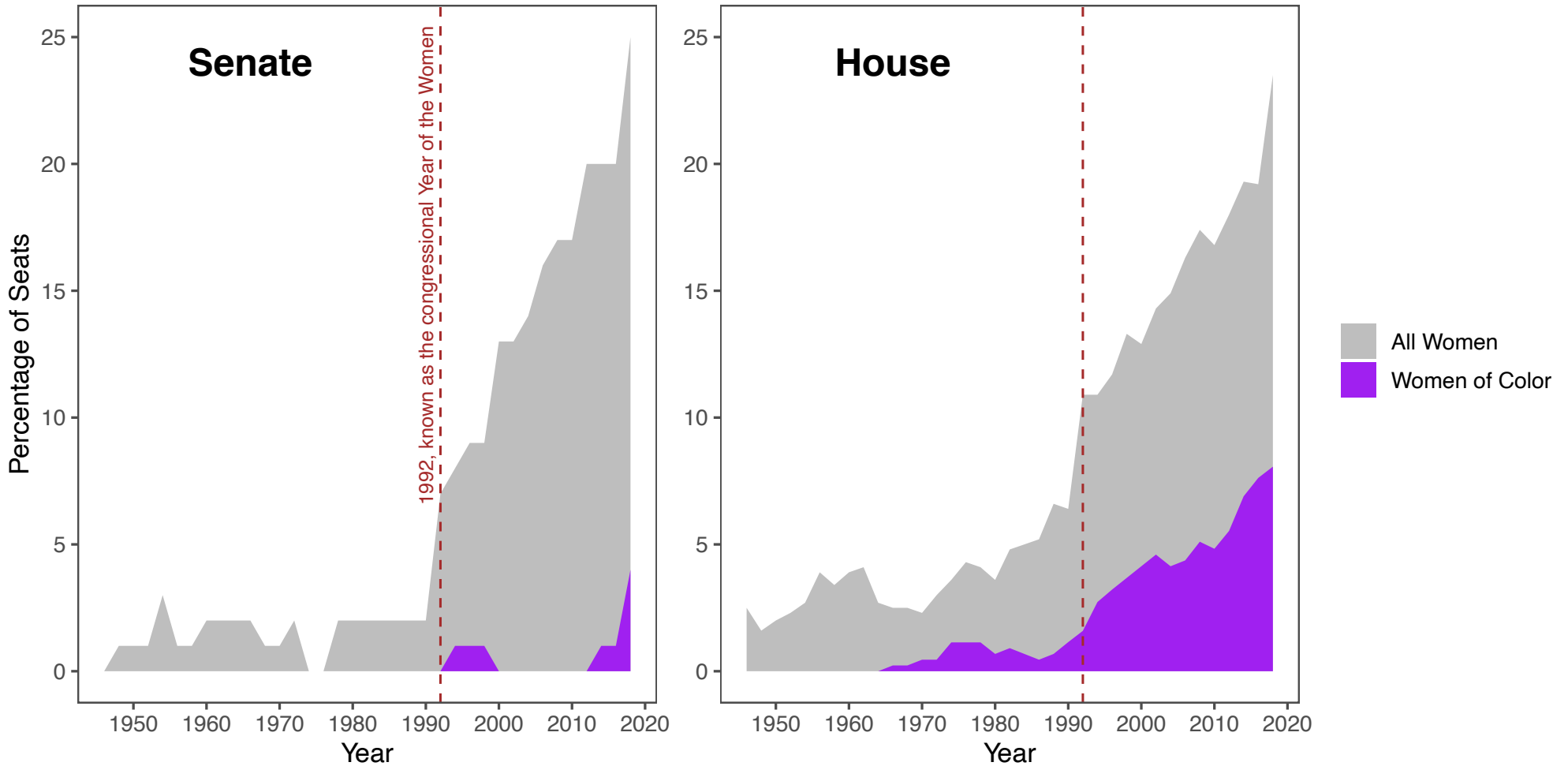


Sources: The New York Times, The Cook Political Report

States whose population voted more for Joe Biden (democrat) in the 2020 presidential election tend to have higher percentages of their population with at least one dose of the COVID-19 vaccine as of May 26, 2021. - **Maia Kawamura '23**



## The Underrepresentation of Women of Color in the U.S. Senate Compared to the House of Representatives



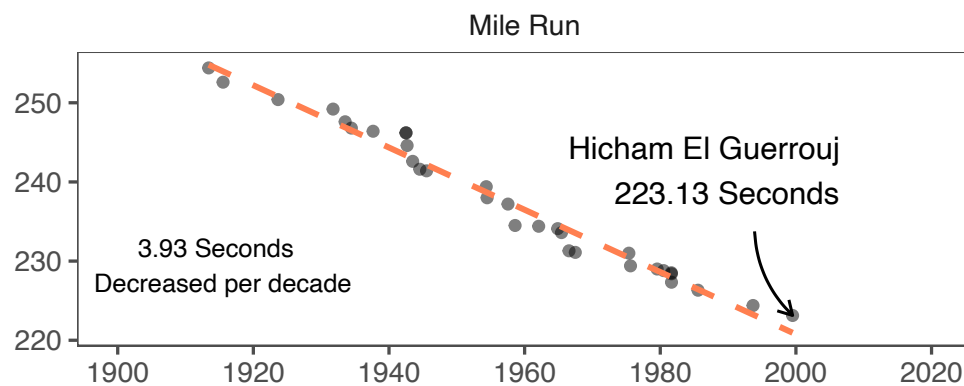
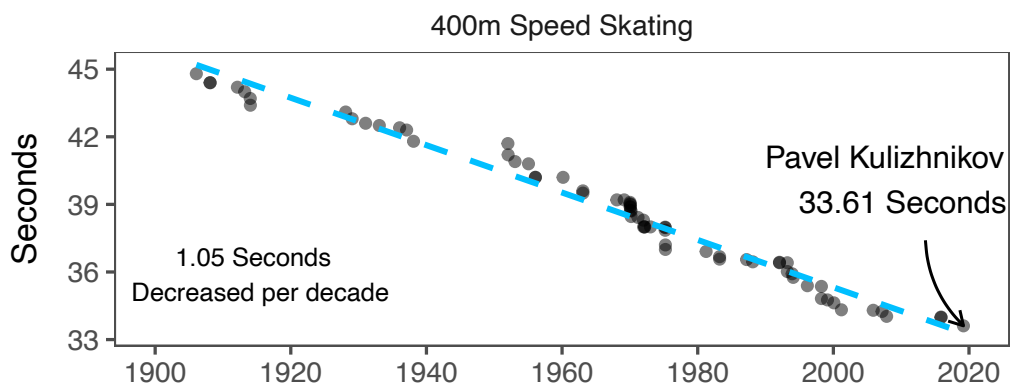
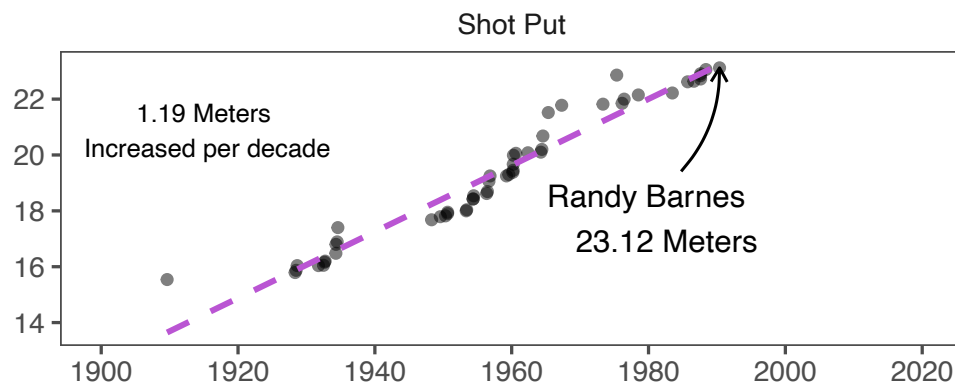
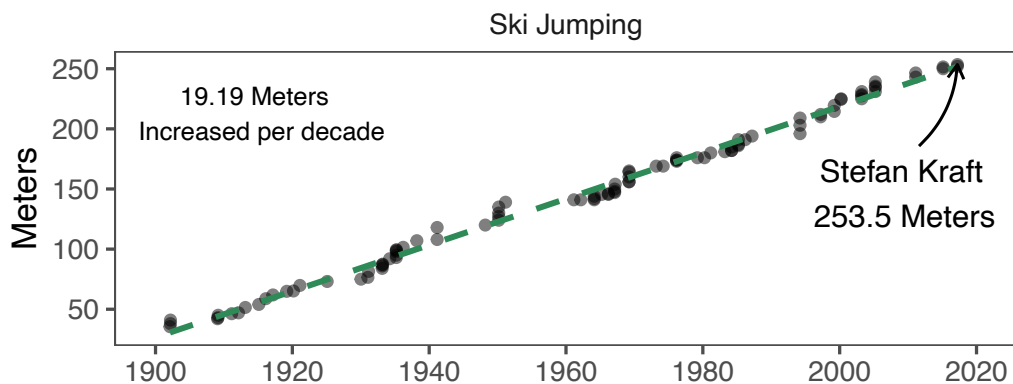
Sources: Inter-Parliamentary Union Parline & Center for American Women and Politics

While seats held by women in the U.S. Senate and the House of Representatives have both risen to almost 25%, the proportion of women of color is significantly less in the Senate than the House. - **Emily Lu '23**



## Where is the Limit to Human Performance?

World Record progression seems linear throughout time



Note: The fitted line is a linear regression  
Source: Wikipedia

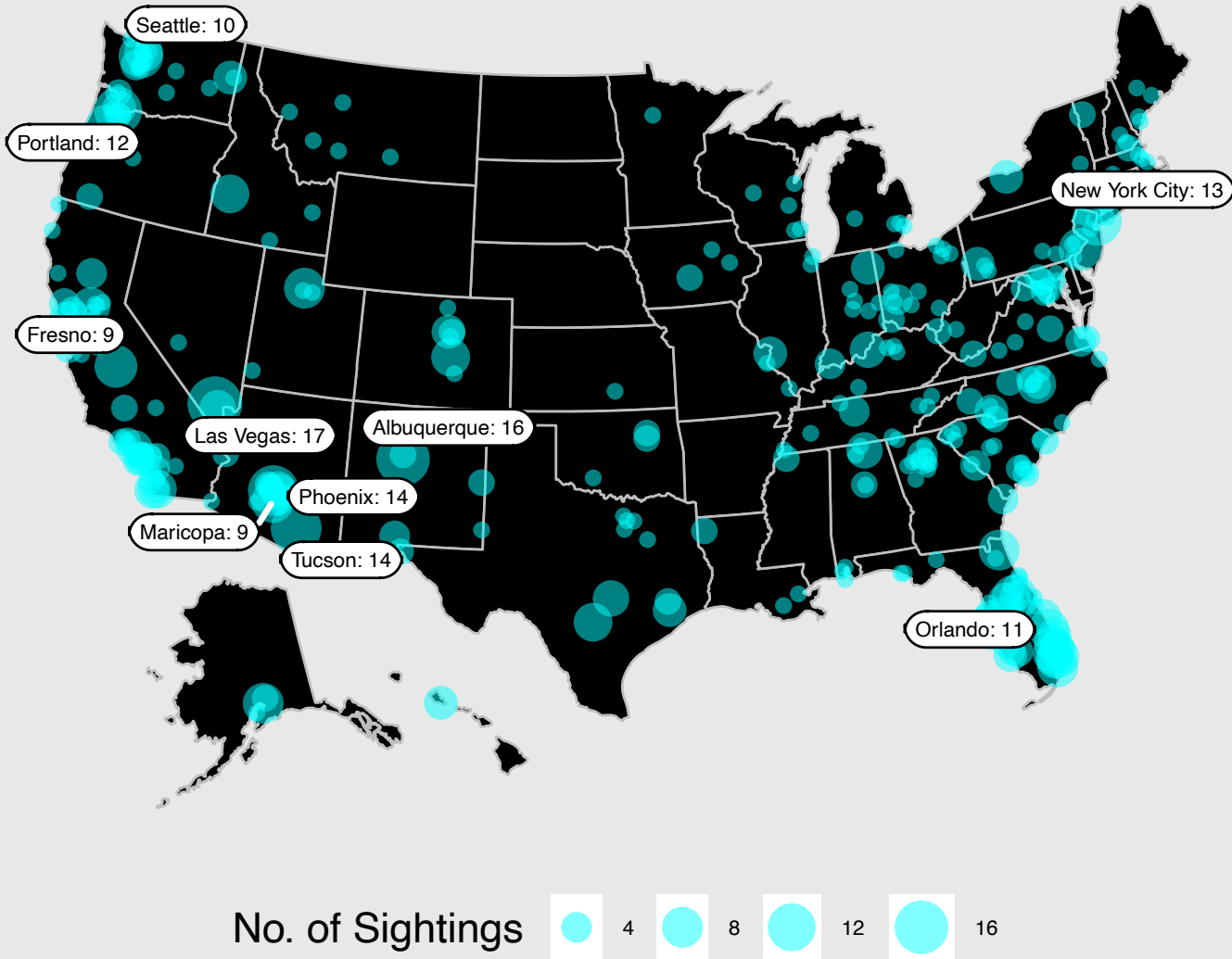
Intuitively one might think that athletic achievements would slow down as we reach the limits of the human body. However, when we plot the world record progressions for different sports, they appear strikingly linear. If we haven't reached the limit to human progression yet, when will we? - **Logan Sankey '20**





# Greetings, Earthlings: UFO Hotspots Are Closer to Coasts

Source: National UFO Reporting Center (NUFORC), Year: 2014, Kaggle



Top 347 cities by sightings plotted, labelled are top 10

My visualization shows the cities with the most UFO sightings in 2014. Densely colored areas (hotspots) indicate multiple cities or towns with a high number of sightings in the region. Particularly of note are the hotspots in Washington, Oregon, and Arizona. - **Victoria Xu '23**