

Best Project 3 Awards

DSC 106: Data Visualization

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Given to the top 6% of submissions (**top 4** out of 69 projects).

Include on your resume + portfolio website!

The Fork in the Road

How much does our climate future depend on today's choices? Compare four emissions scenarios, 2015-2100. Scroll below to see our writeup on the design process and data sources.

°C °F

YEAR: 2030

MAP MODE: Single scenario Compare scenarios

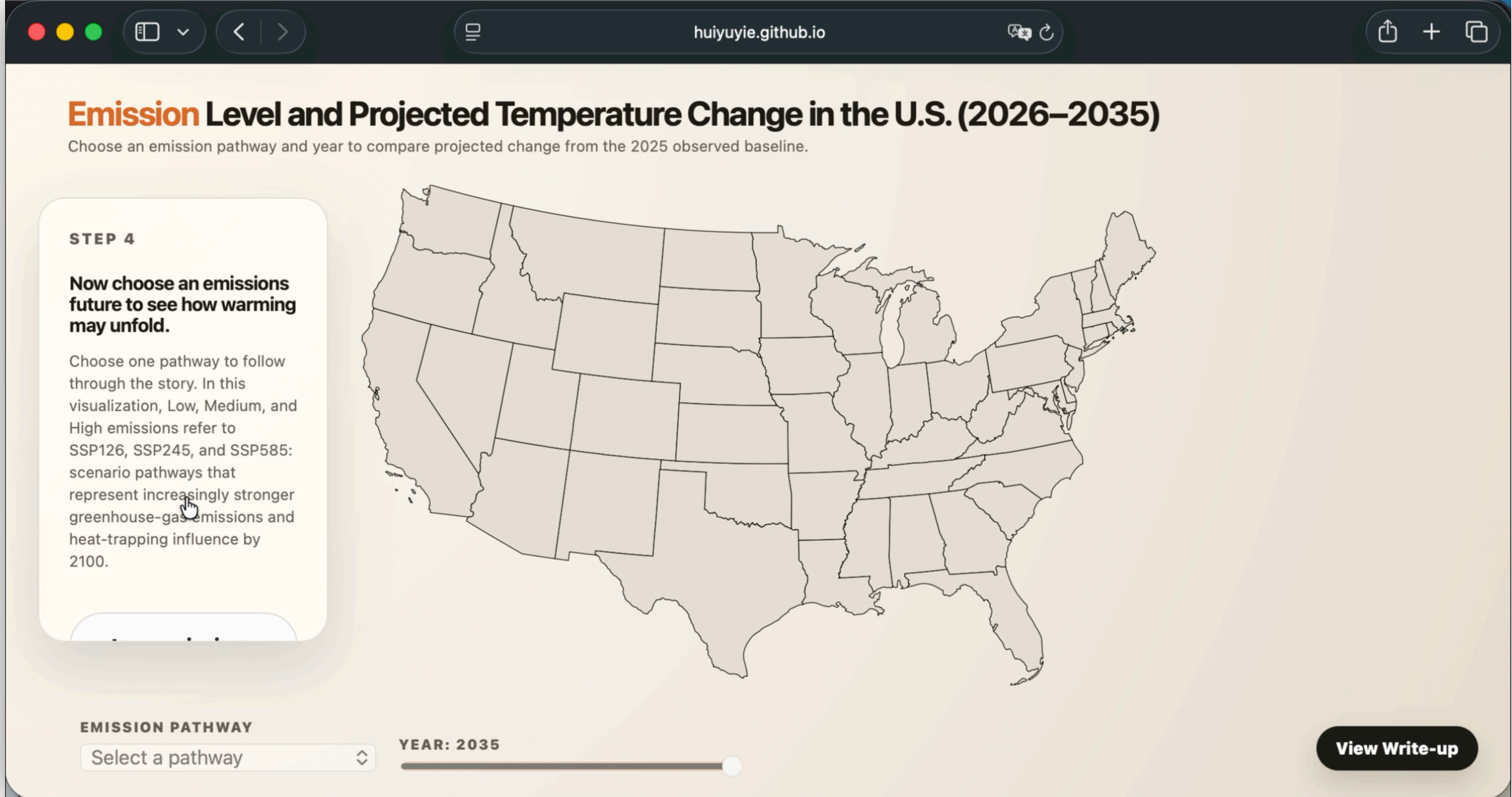
SCENARIO: SSP5-8.5

FIND A COUNTRY: e.g. Russia

Take the tour

STEP 1 OF 4
Drag the year slider. Watch how the world warms over time under SSP5-8.5 (worst case). The poles redden first.
Try moving it past 2080.
Skip tour Next →

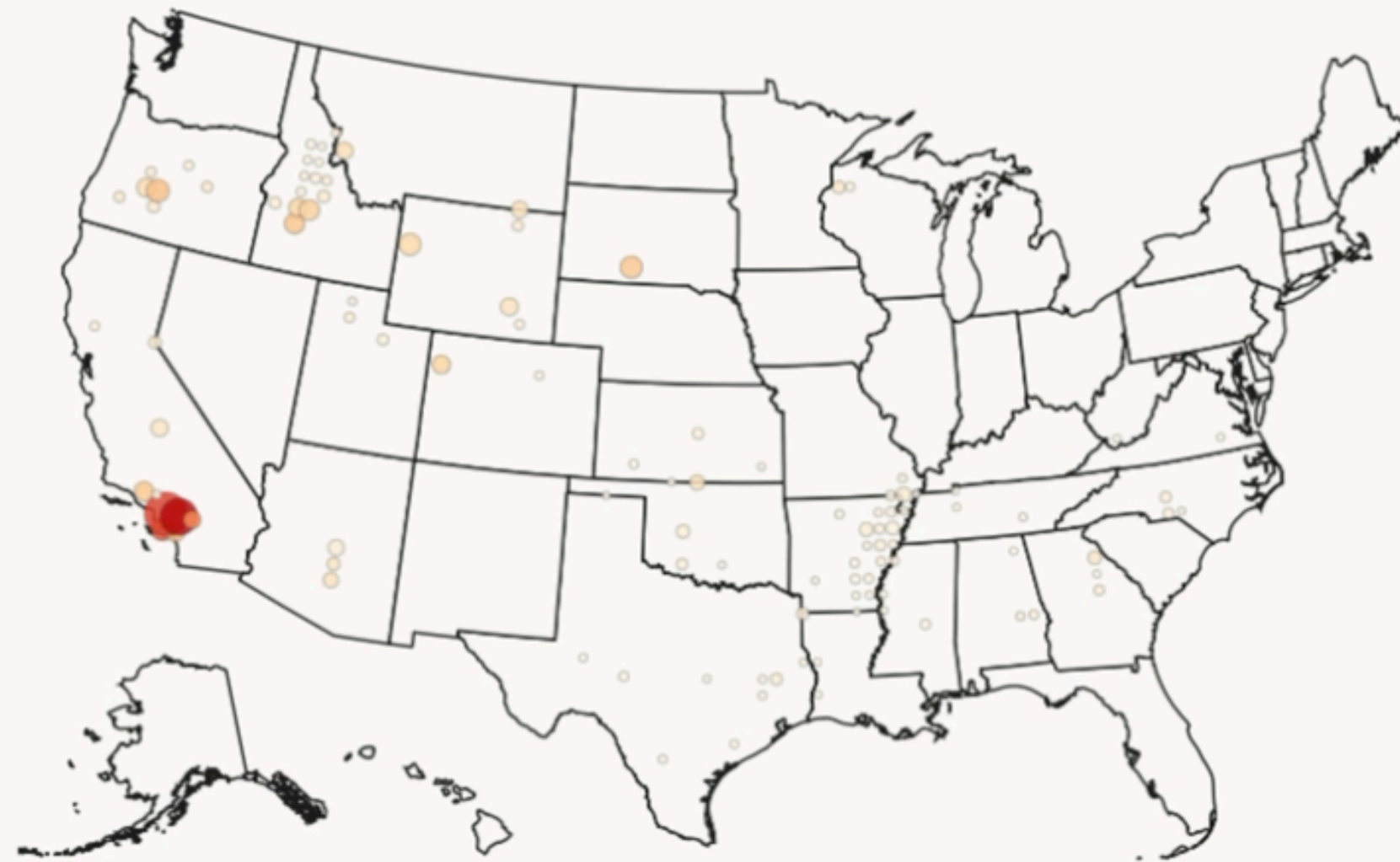
Jayden Li, Dylan Louie, Shreyesh Vankina, Kimi Chen



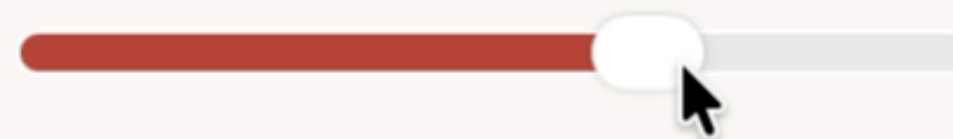
Song Su, Ricki Chen, Huiyu Yie

Watch a fire season unfold

Each circle is a **fire cell**: a county-sized patch of land (about 50 km on a side) where the GOES-16 satellite spotted active fire that week. Bigger circles mean more fire energy, measured in **megawatts (MW)**: the same unit used to rate power plants. A backyard bonfire is fractions of a megawatt; a major wildfire can put out several thousand. Darker circles mean a hotter peak intensity. Drag the slider to walk from June through October.



Week starting: 2024-09-09



Anwasha Mohanty, Dylan Cheng, Vipra Bindal

A carbon sink under pressure

1850 → 2014

For a long time, the Amazon has done us a **massive favor**: it breathes in more carbon pollution than it breathes out. But that favor is **slipping**.

This first map shows where the forest is crossing a dangerous line. The **highlighted areas** are places where that balance has flipped — they used to absorb carbon, but now they release it.

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Waleed Alshakhshir, Jocelyn Ng, Brandon Lum, Brian Liu