



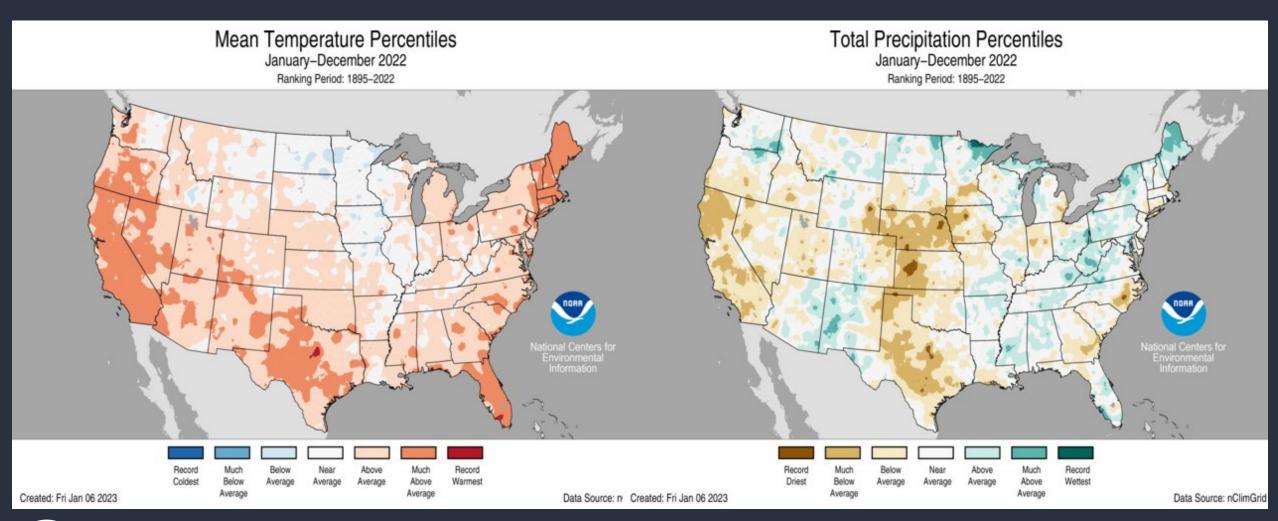
NOAA

National Satellite and
Information Service
20th Climate Prediction Applications
Science Workshop (CPASW)

Salmon, Census, and the "Nth" Warmest Summer on Record

Finding ways to converge socioeconomic and climate data.

Jared Rennie, Research Meteorologist NOAA NCEI, Asheville, NC



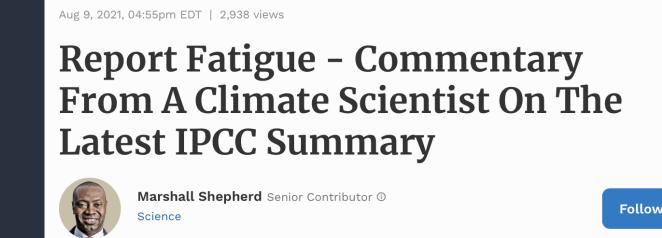


Why should I care?



Report "Fatigue"

"It is not about polar bears or the year 2100. It is about household *kitchen table issues*, equity, justice, national security, energy, water, and public health."



Listen to article 4 minutes

The United Nations Intergovernmental Panel on Climate Change (IPCC) issued its Summary for Policymakers this week. It captured the analyses of Working Group I to the 6th Assessment Report. I had a chance to review it on Monday, and it says all of the things that I expected it to say and with the necessary sense of urgency. Here's the problem. I am "report fatigued." We need action.



What is Socioeconomic?

so·cio·eco·nom·ic | \ sō-sē-ō- e-kə- nä-mik , - ē-kə-, sō-shē- \

variants: or socio-economic

Definition of socioeconomic

: of, relating to, or involving a combination of <u>social</u> and economic factors

Social factor

How is it affecting people?

Economic factor

Is it costing money?

Socioeconomic!!!



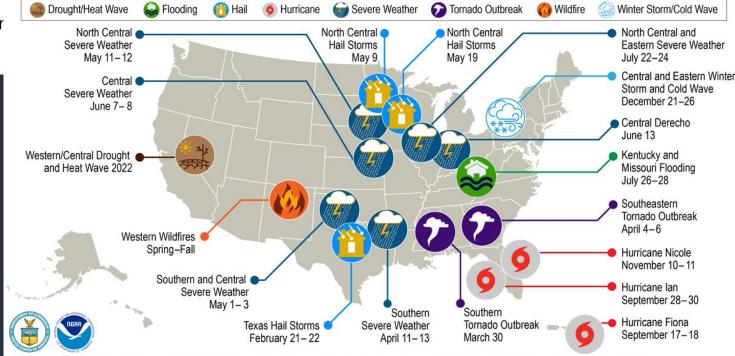
Examples of Converging Climate and Socioeconomic Data

A Pacific Interdecadal Climate Oscillation with Impacts on Salmon Production*



Nathan J. Mantua, Steven R. John M. Wallace, ar

U.S. 2022 Billion-Dollar Weather and Climate Disasters

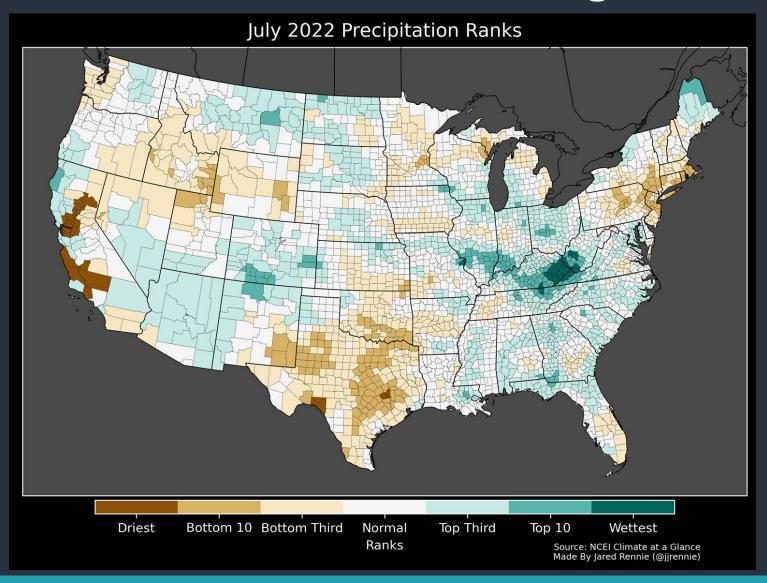




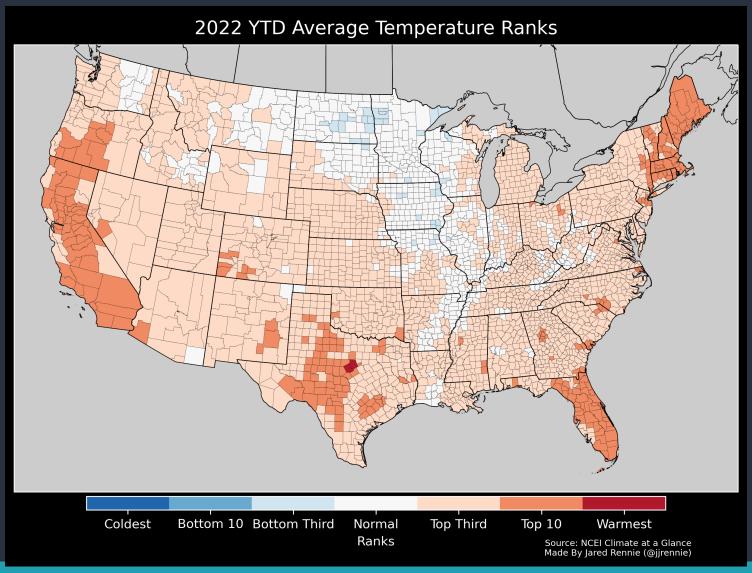
We could do so much more!

2020 Census!!!





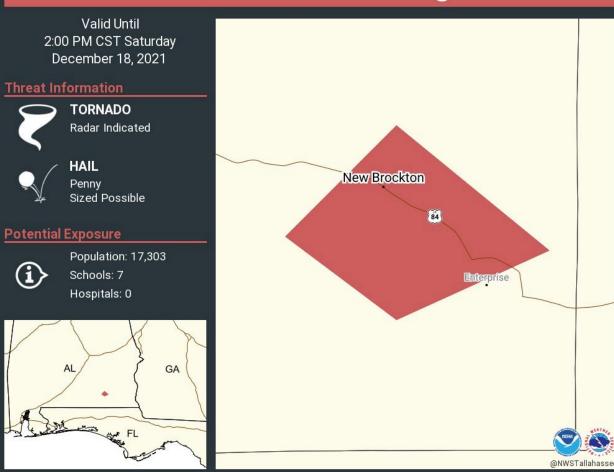






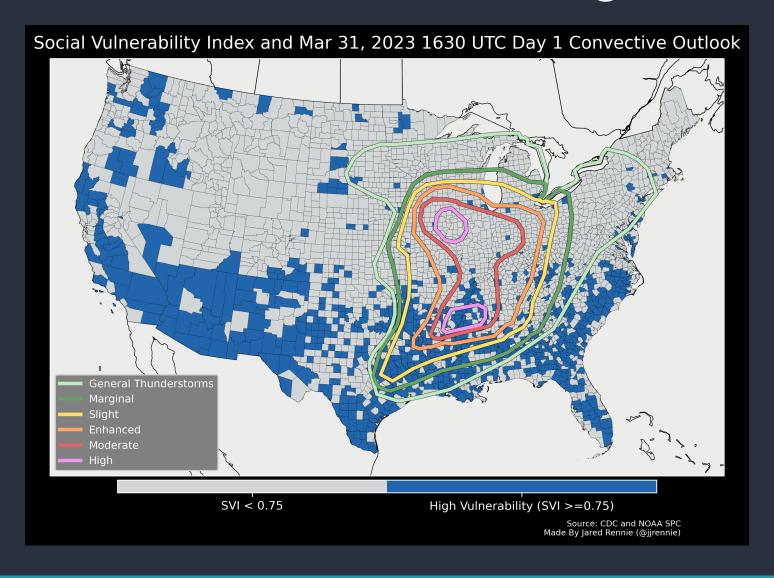
Weather Forecasting

Tornado Warning



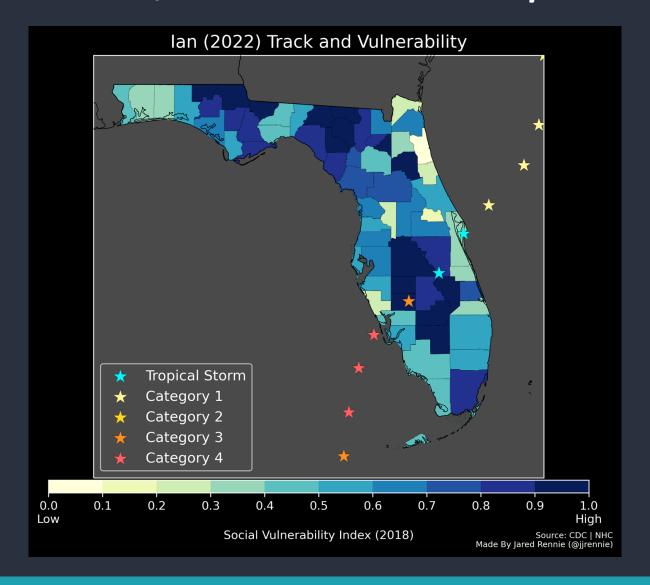


Weather Forecasting



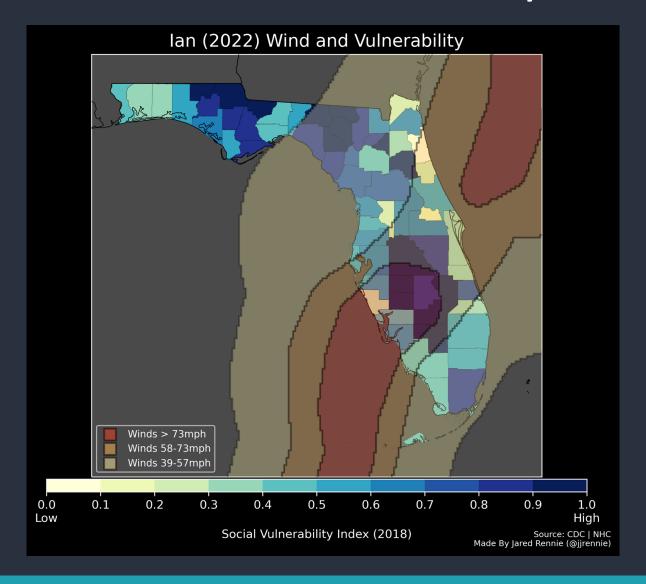


Weather/Climate Retrospective





Weather/Climate Retrospective

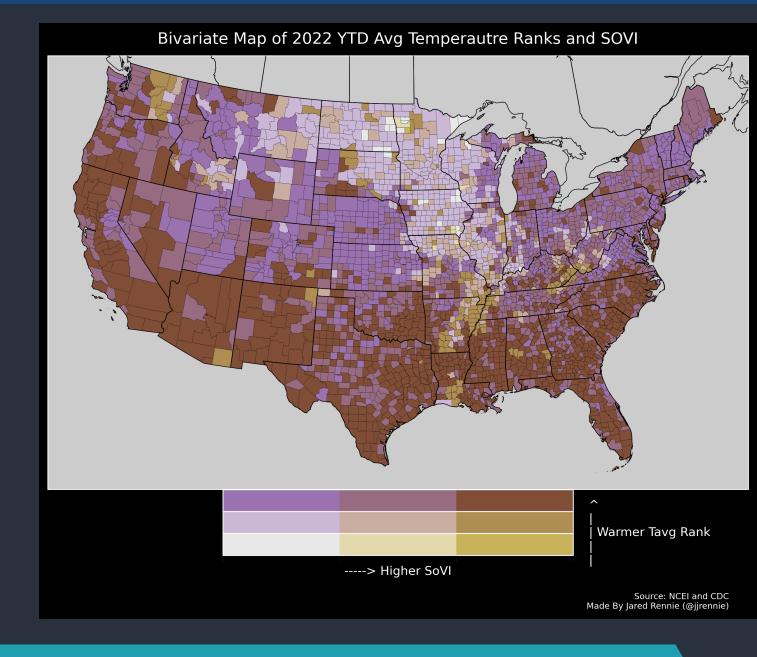




Future Work

- Census: Data Still Coming Out
- Work with NWS / EM's
- Work with Social Scientists
- Play with Visualizations
 - Bivariate Maps?
- Other Socioeconomic Variables?
 - Dept. of Commerce

Thank You! jared.rennie@noaa.gov





Extra Slides



