Ideas for my Master Thesis

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Idea

Exploit the 2021 heatwave on the North American west coast
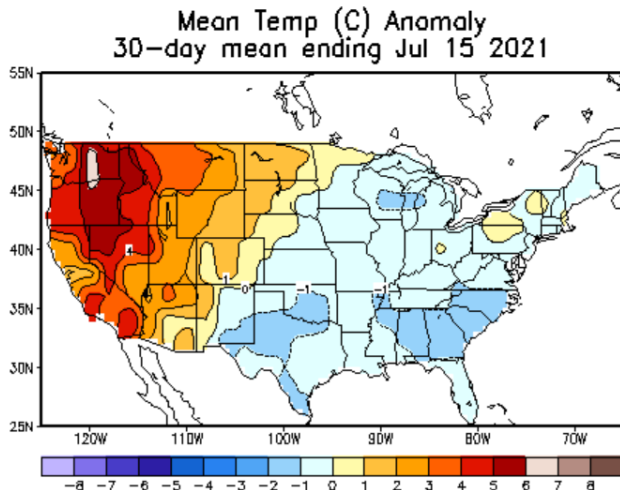

Figure 1: Temperature Anomalies in June/July 2021

Sick leave data

- Current Population Survey (CPS):
    - Available monthly (refers to the week containing the 12th of that month)
    - So the effect (if there is one) should be visible in the July 2021 data
    - Includes state and county information, but county is often missing

Commuting data

- American Community Survey (ACS): Yearly survey including questions about commuting habits

- Longitudinal Employer-Household Dynamics (LEHD): Only yearly as well

- Maybe fuel consumption could be an alternative? That is available monthly from the EIA, but only for PADD regions

Crime Data

- Data of all recorded incidents (> 5 Mill.) in a given year is available from the FBI (here or here):
    - Includes the exact date
    - Includes state and county numbers
    - 2021 is not yet available. But there was another big heatwave in 2016, which could work as well

Another idea: Data from business tool providers

- ▶ The FED St. Louis uses high frequency data from business tool providers (e.g. here)

- ▶ One such provider is Homebase and they even have some data on their website. This could include daily data on hours worked or employees working.

- ▶ Such tools are mainly used by restaurants & retailers