

Ideas for my Master Thesis

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Idea

Exploit the 2021 heatwave on the North American west coast

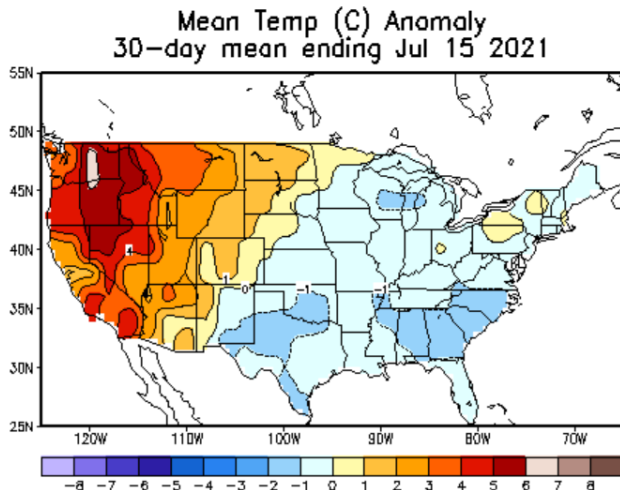


Figure 1: Temperature Anomalies in June/July 2021

Data for outcome

- ▶ Sick leave data:
 - ▶ Monthly data from the Current Population Survey (CPS), but county is often missing
- ▶ Commuting data:
 - ▶ American Community Survey (ACS) or Longitudinal Employer-Household Dynamics (LEHD), but only yearly
 - ▶ 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 [here](#) or [here](#). This includes the exact date and state and county numbers, but 2021 is not yet available.

Sick Leaves Identification

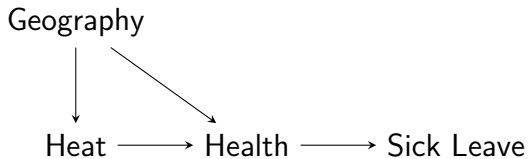


Figure 2: Causal effect of heat on sick leaves