

Extreme Heat and Fatal Car Accidents

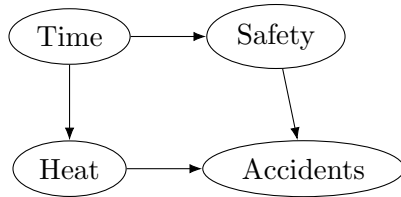
Gregor Steiner

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Abstract

1 Introduction

2 Empirical Strategy



3 Data

Historical temperature data is available from the Daily Global Historical Climatology Network ([Menne et al., 2012](#)). They provide data for about 1200 measurement stations across the United States. Based on the stations' coordinates they can be matched to the county they are in. Thus, temperature data can easily be aggregated to the county level. For counties with more than one measurement station, I take the mean among those.

The National Highway Traffic Safety Administration provides data on fatal car accidents in their Fatality Analysis Reporting System (FARS). This includes every fatal accident between 1975 and 2020, including date and county information.

4 Results

5 Conclusion

References

Menne, M. J., Durre, I., Korzeniewski, B., McNeill, S., Thomas, K., Yin, X., Anthony, S., Ray, R., Vose, R. S., Gleason, B. E., and Houston, T. G. (2012). Global historical climatology network - daily (ghcn-daily), version 3.