# Hot, Dry, and in Flames: What Forces are Behind California's Wildfires?

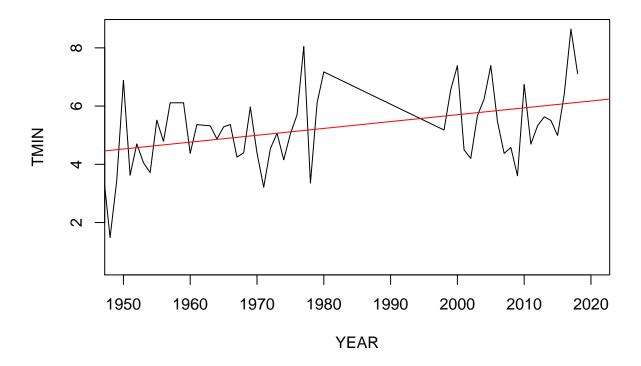
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## Intro

Heat, Dought, Wildfires: How does this domino-effect work?

### **Anthropogenic Factors**

Obtaining Climate Data on Southern California (Methodology)



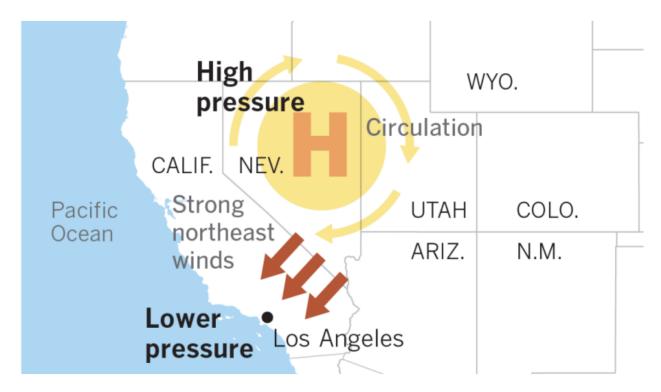


Figure 1: Caption

#### Results

#### Discussion

#### Conclusion

#### Sources

Abatzoglou J, Williams A. (2016). Impact of anthropogenic climate change on wildfire across western US forests. Proceedings of the National Academy of Sciences. 113 (42): 11770-11775.

Assembly Bill 1054. (2019). Chapter 79. California Legislature. Retrieved at: http://leginfo.legislature.ca. gov/faces/billNavClient.xhtml?bill\_id=201920200AB1054

Daily Summaries Station Details. 2019. NOAA National Centers for Environmental Information: State of the Climate. [cited 2019 Mar 11]. Available from: https://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:USW00024157/detail

Davies I, Haugo R, Robertson J, Levin P. 2018. The unequal vulnerability of communities of color to wildfire. Proceedings of the National Academy of Sciences. 1-15.

Jin, Y., Randerson, J., Faivre, N., Capps, S., Hall, A., & Goulden, M. (2014). Contrasting controls on wildland fires in southern california during periods with and without santa ana winds: Controls on southern california fires. Journal of Geophysical Research: Biogeosciences, 119(3), 432-450. doi:10.1002/2013JG002541

LaDochy, S., Medina, R., & Patzert, W. (2007). Recent california climate variability: Spatial and temporal patterns in temperature trends. Climate Research, 33(2), 159-169.

Serna, J., Lin II, R., Peltz, J. F. (2019). How do wildfires start and spread? Los Angeles Times.

Westerling, A., Bryant, B., Preisler, H., Holmes, T., Hidalgo, H., & Shrestha, S. (2011). Climate change and growth scenarios for california wildfire. Climatic Change, 109, 445-463.