

# ESA 2022 Supporting Information

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## Contents

Poster figures for Yosemite National Park	1
Climate change at each site	6
Are mammals tracking climate?	10
Sequoia National Park . . . . .	10
Yosemite National Park . . . . .	12

## Poster figures for Yosemite National Park

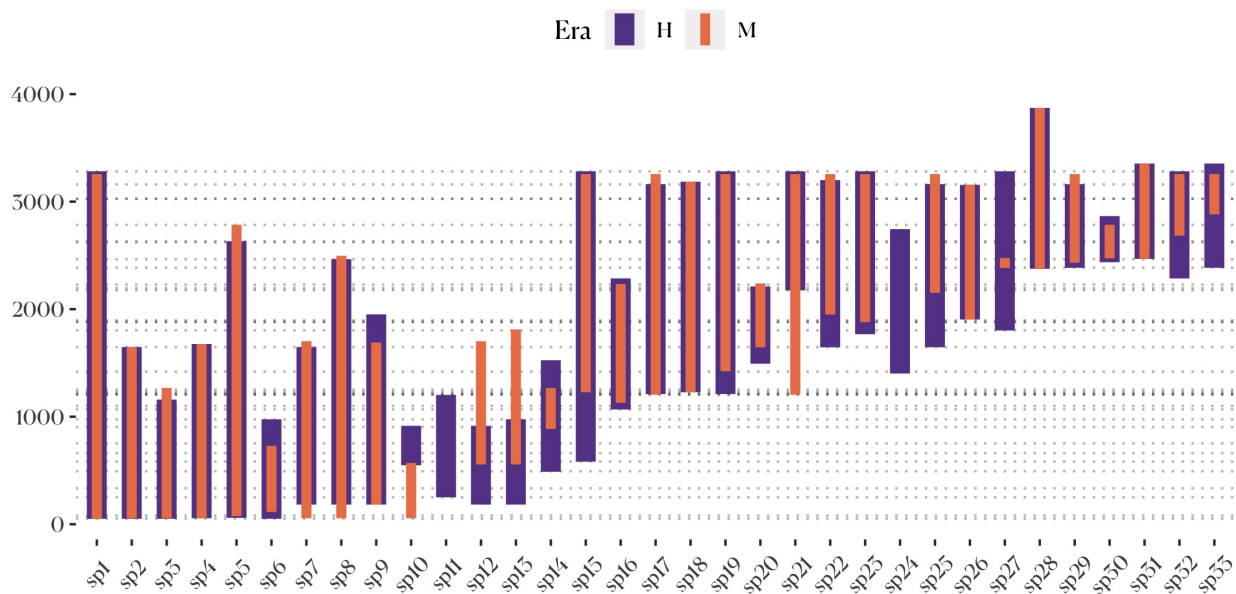


Figure 1: Elevational distribution of mammals in Yosemite National Park in the past (purple) and present (orange).

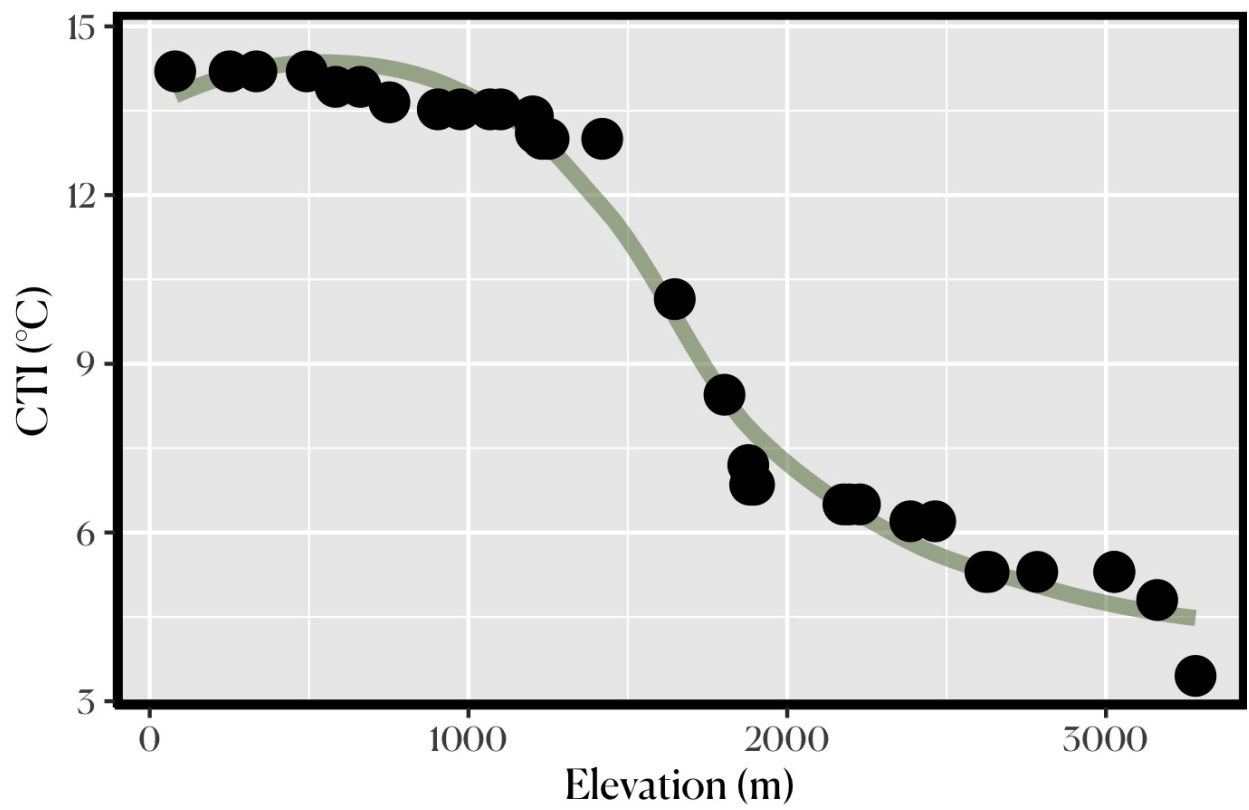


Figure 2: Relationship between CTI and elevation in Yosemite National Park.

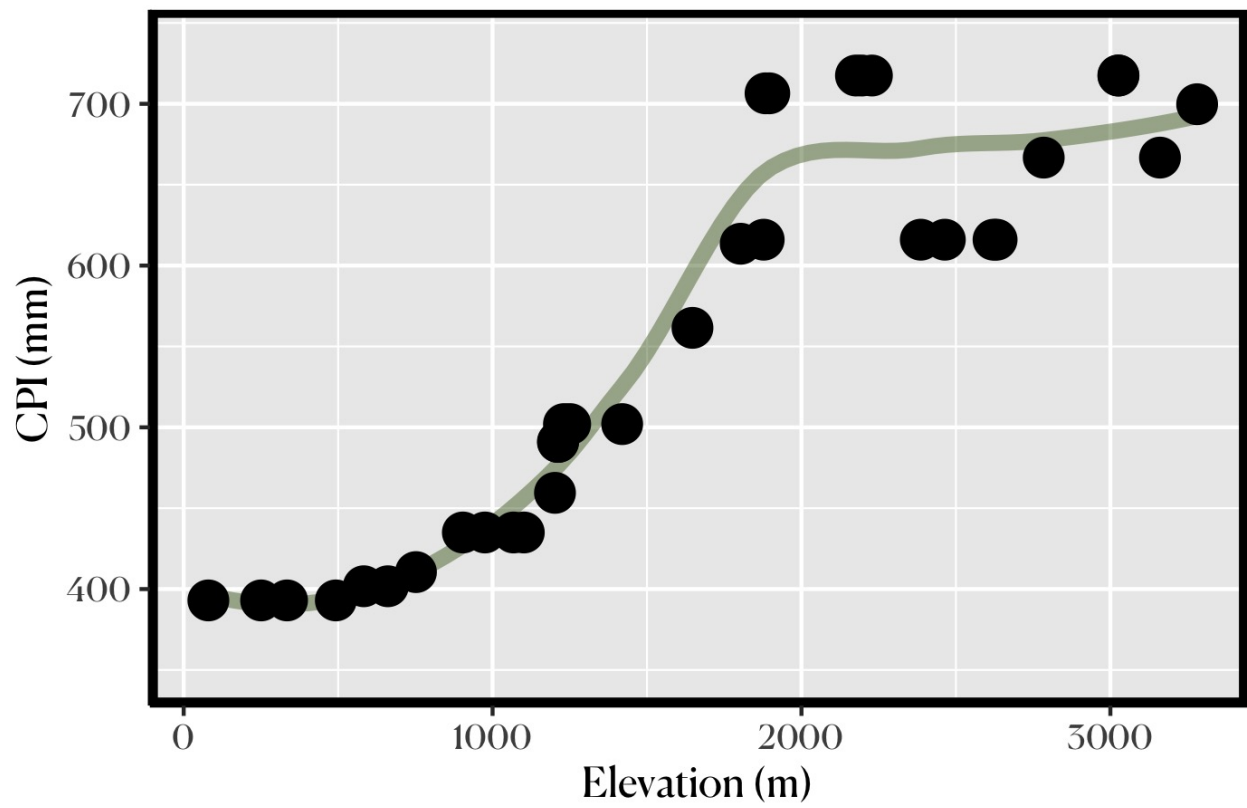


Figure 3: Relationship between CPI and Elevation in Yosemite National Park.

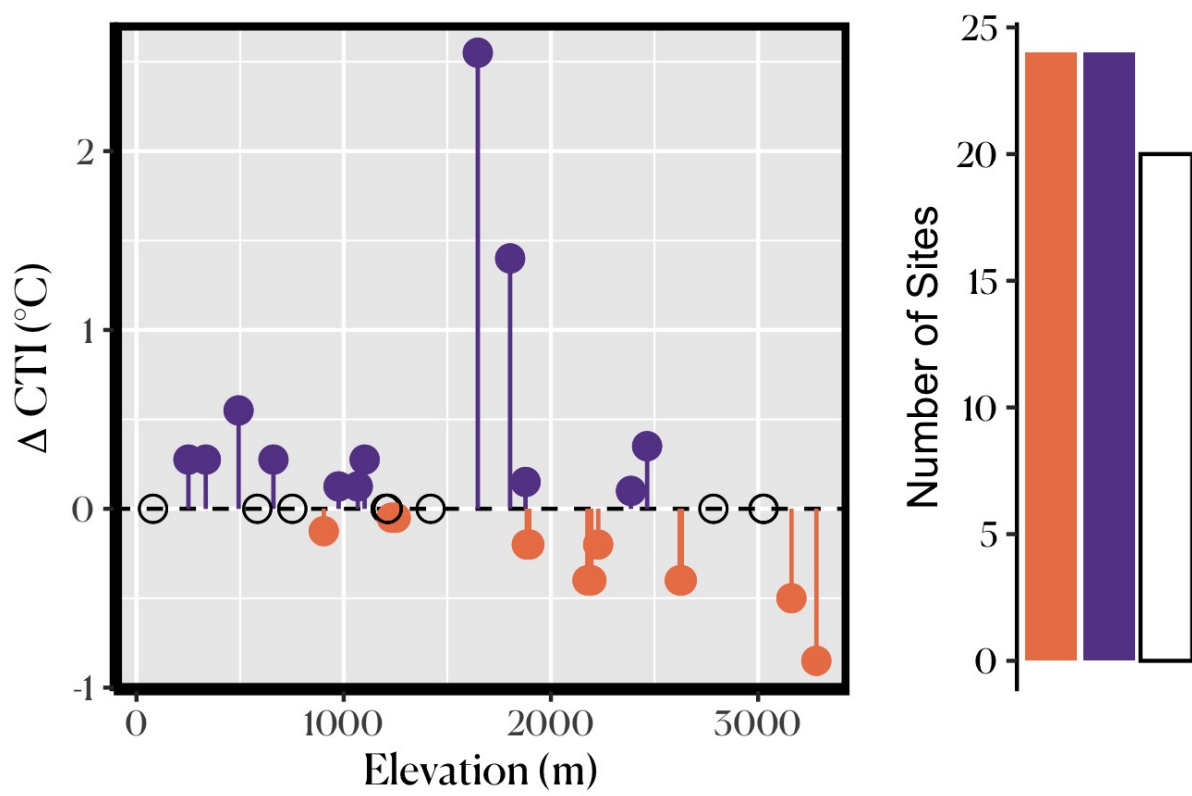


Figure 4: Changes in the CTI for small mammal communities in Yosemite National Park.

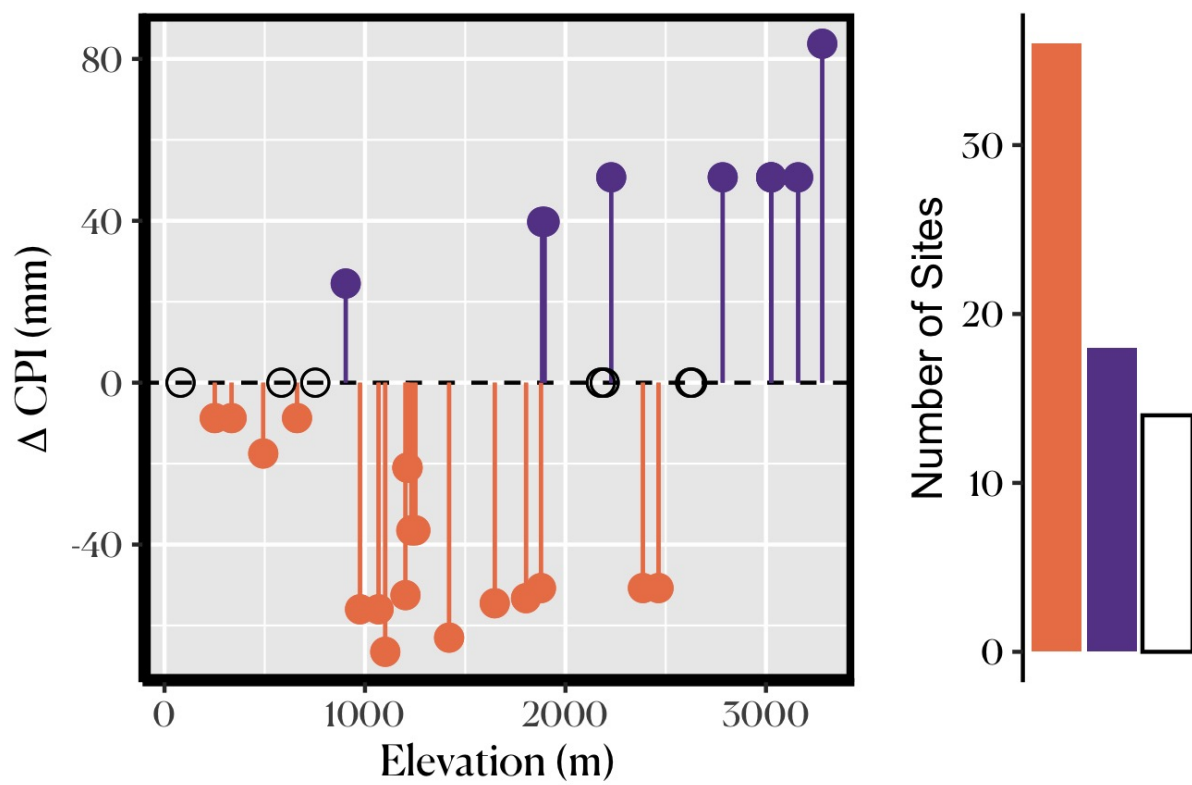


Figure 5: Changes in the CPI for small mammal communities in Yosemite National Park.

## Climate change at each site

These figures show how the climate change has changed at each site. Blue points represent historical climate and red represent modern climate. Temperature has increased and precipitation has decreased at each site.

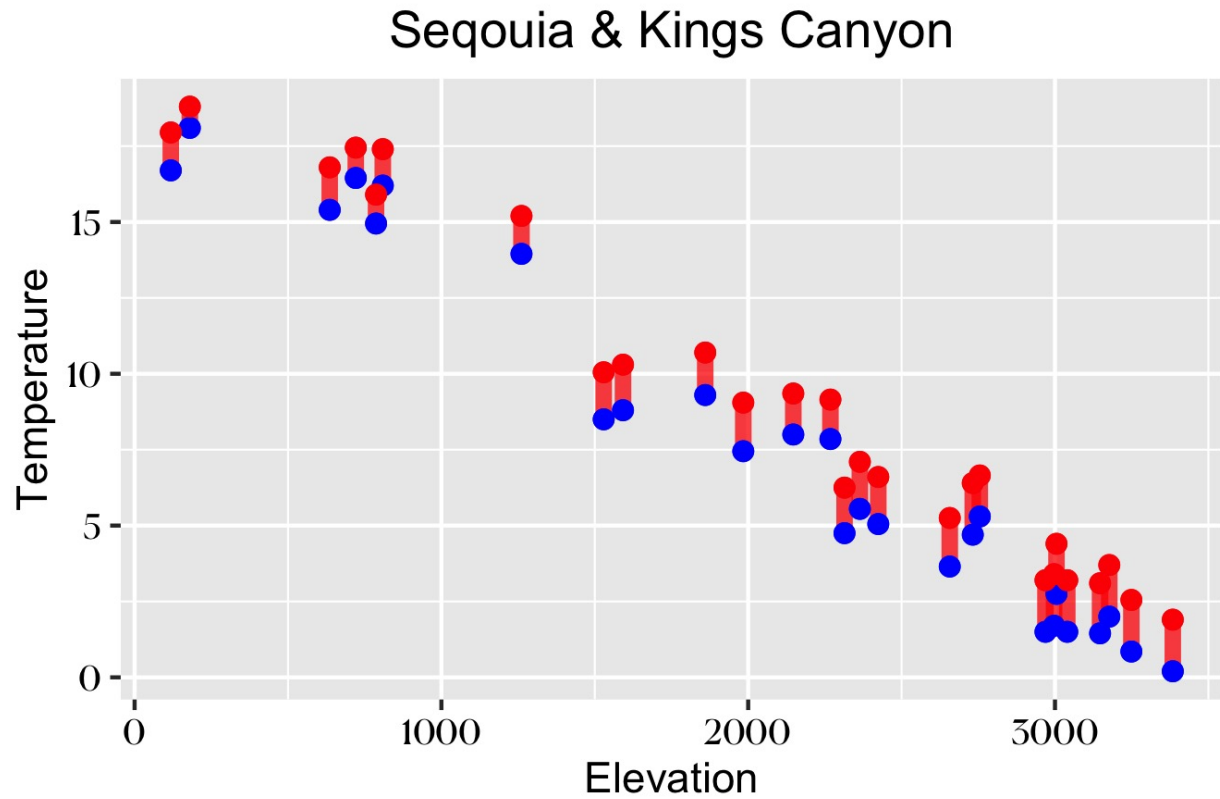


Figure 6: Observed changes in temperature in Sequoia and Kings Canyon National Park.

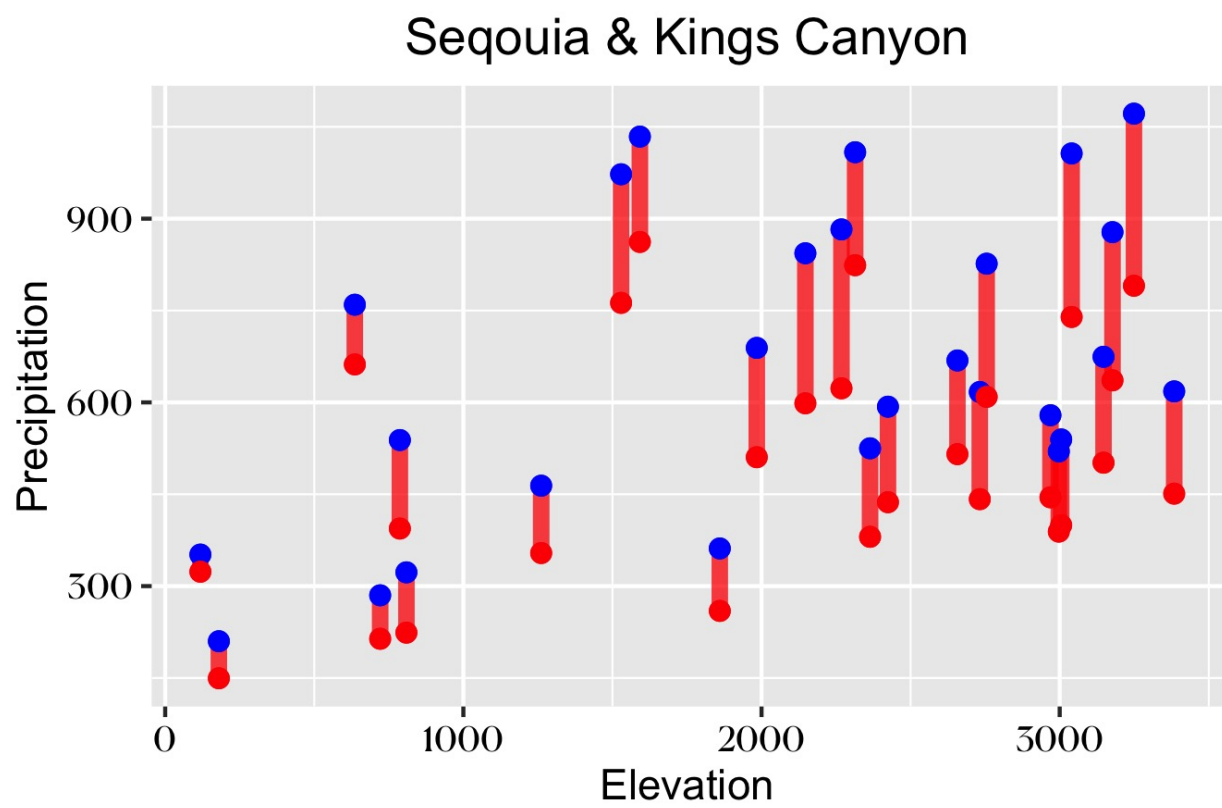


Figure 7: Observed changes in temperature at each site in Sequoia and Kings Canyon National Park.

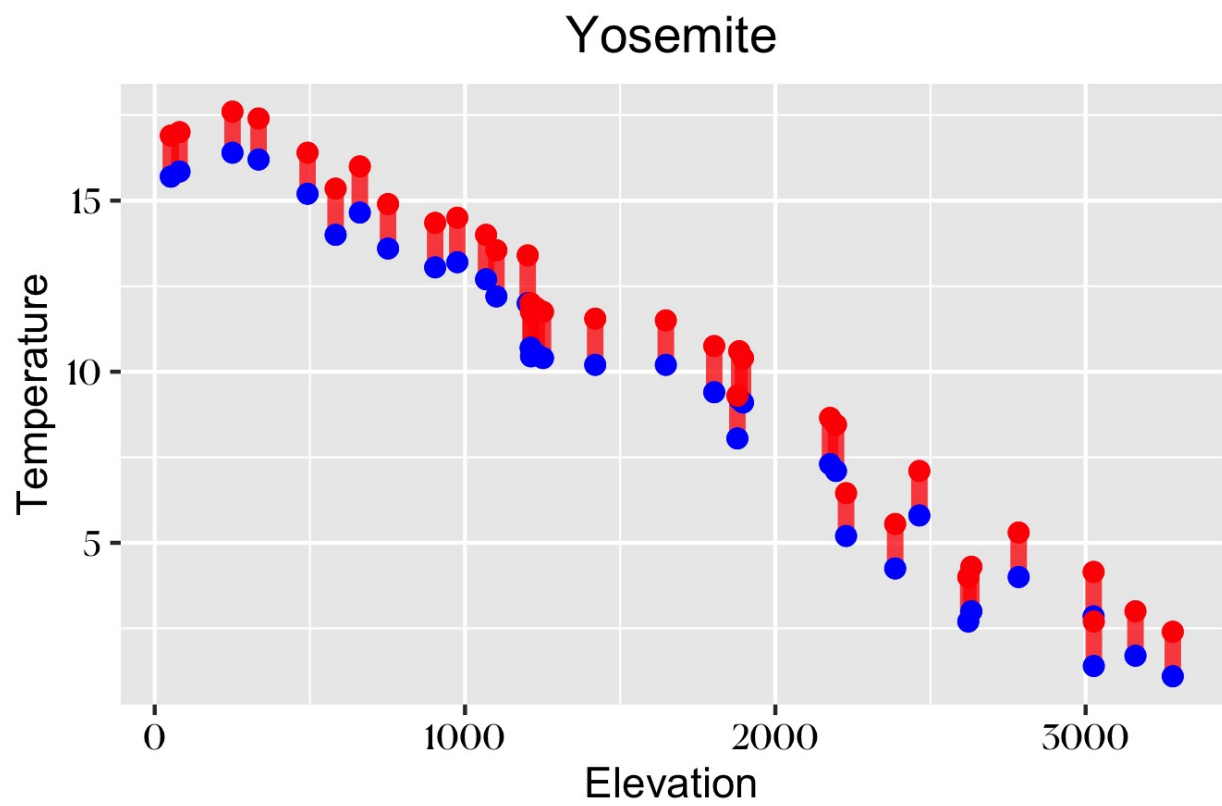


Figure 8: Observed changes in temperature at each site in Yosemite National Park.



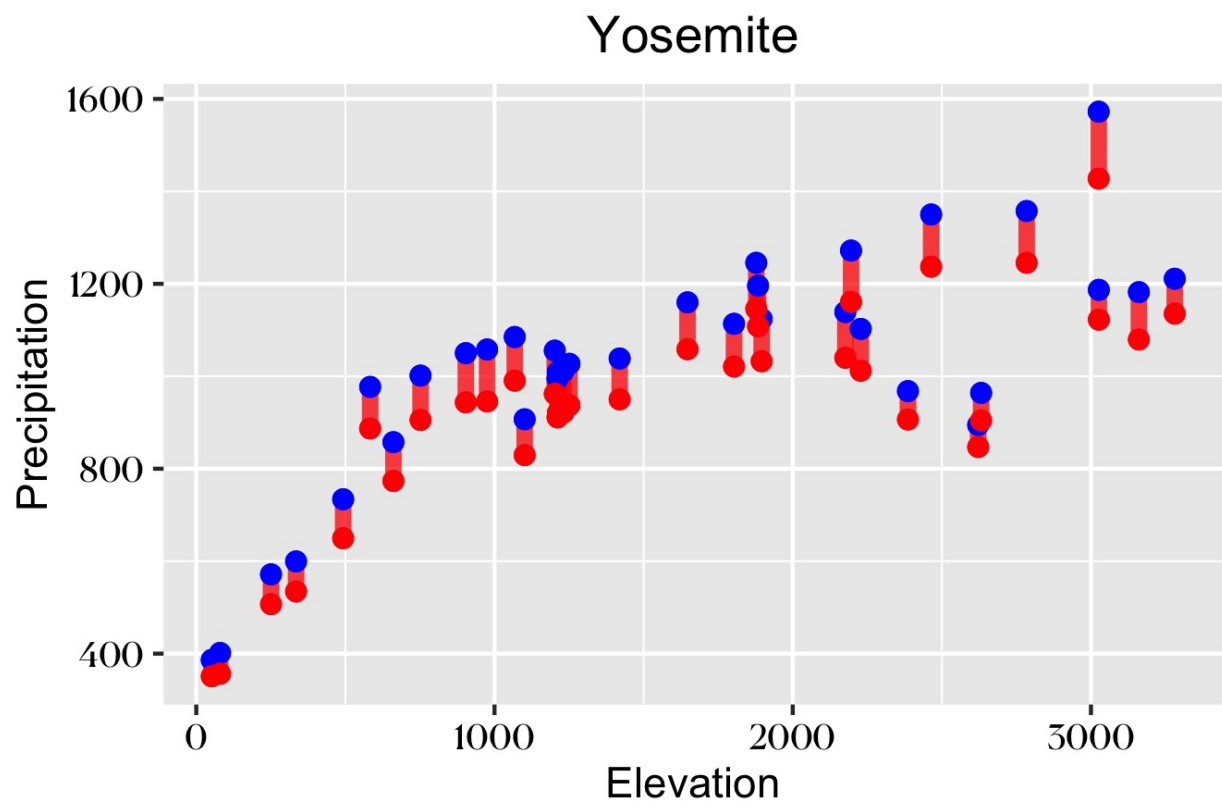
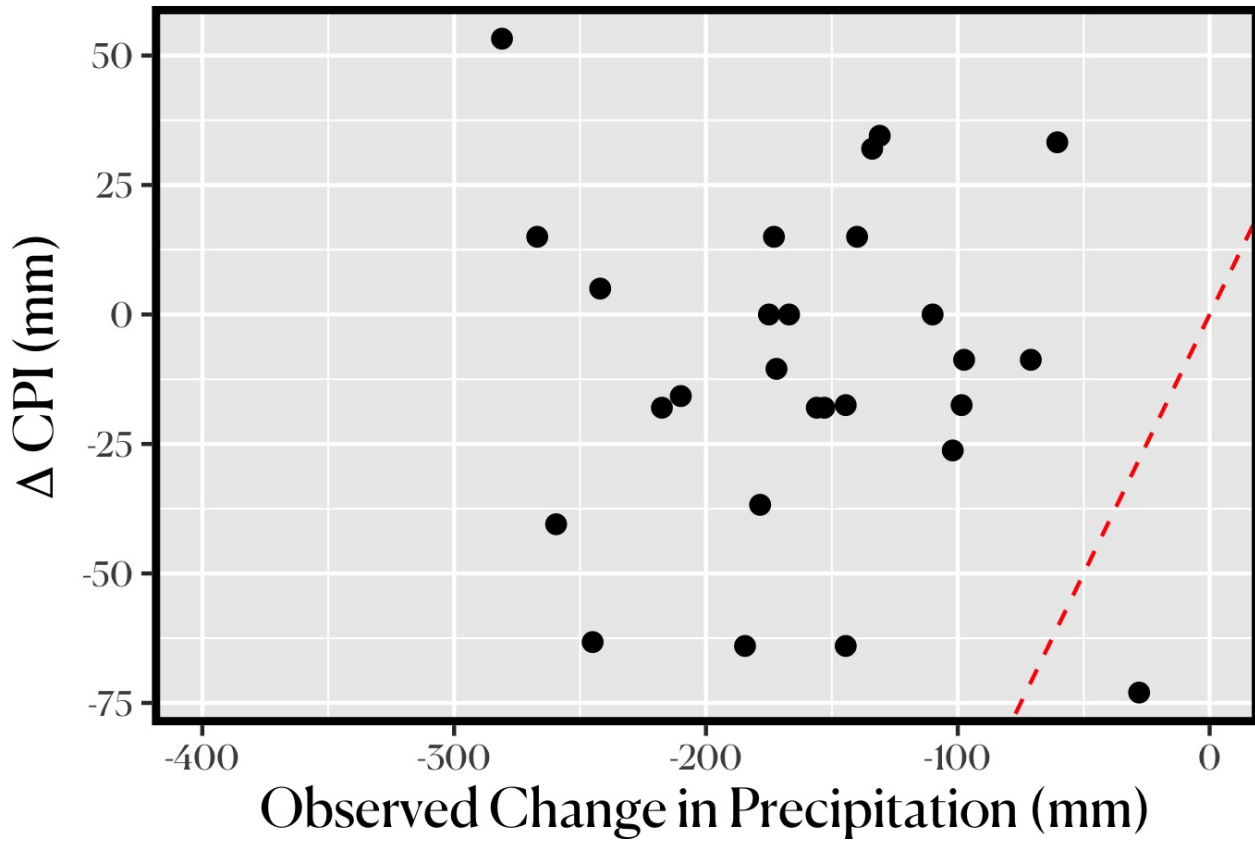


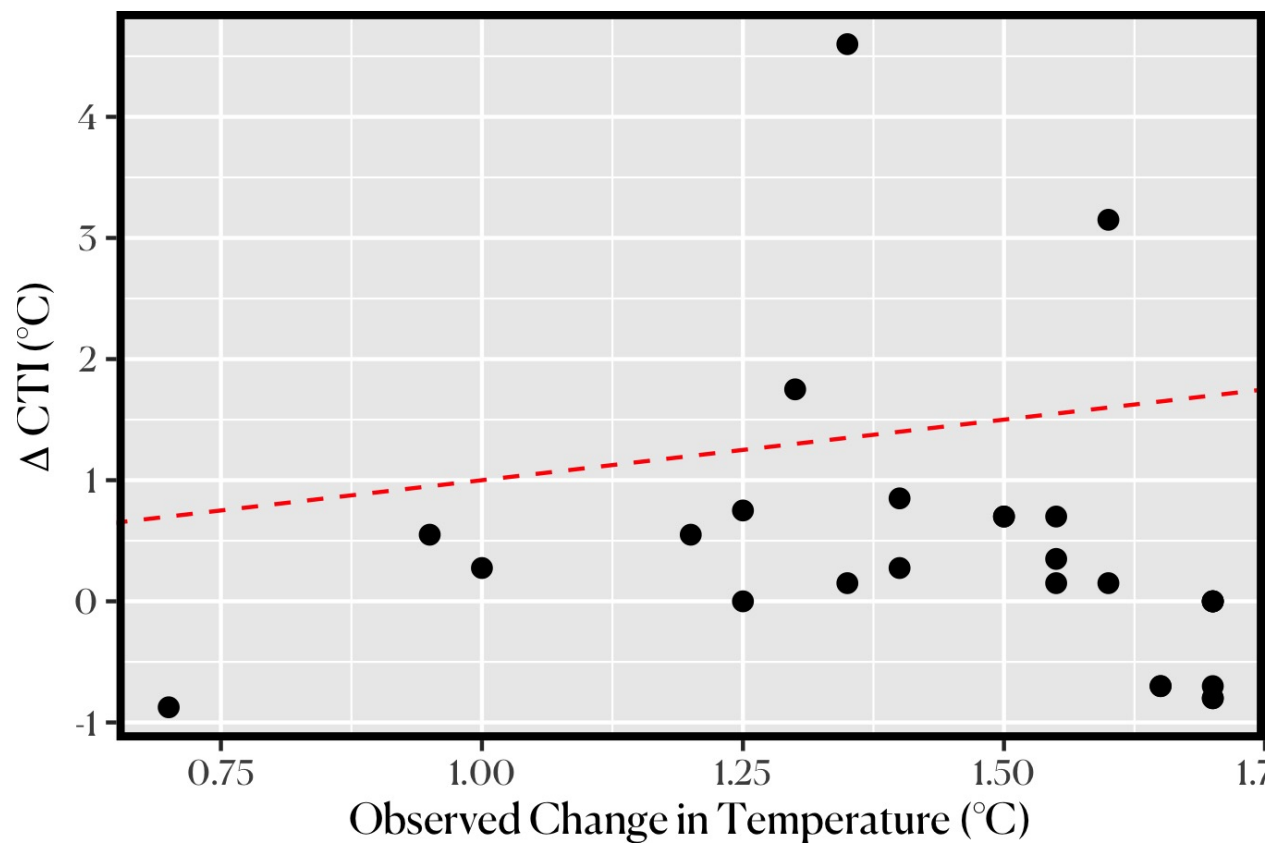
Figure 9: Observed changes in precipitation at each site in Yosemite National Park.

## Are mammals tracking climate?

These plots compare changes in the community temperature index and community precipitation index with observed climate change at each site. Most sites are not “keeping up” with climate change (red line).

### Sequoia National Park





# Yosemite National Park

