

Climate Exercise – Day 2

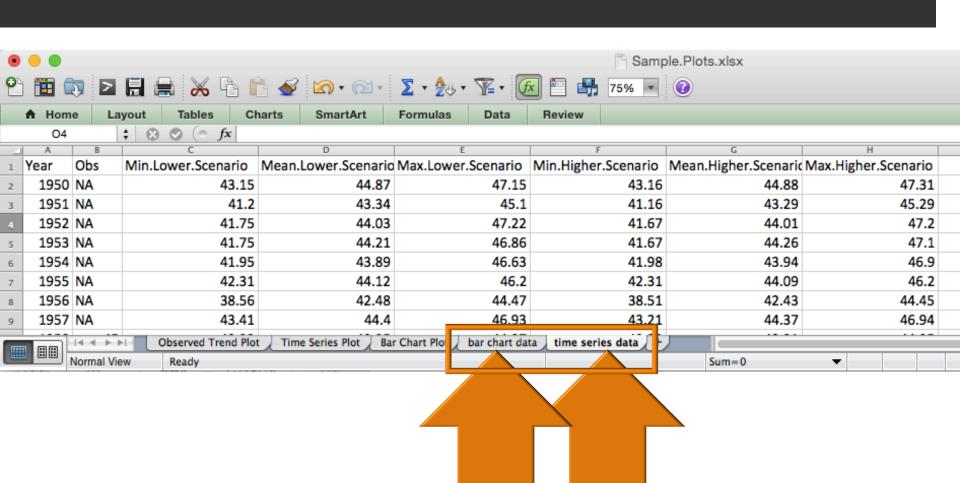
KATHARINE HAYHOE

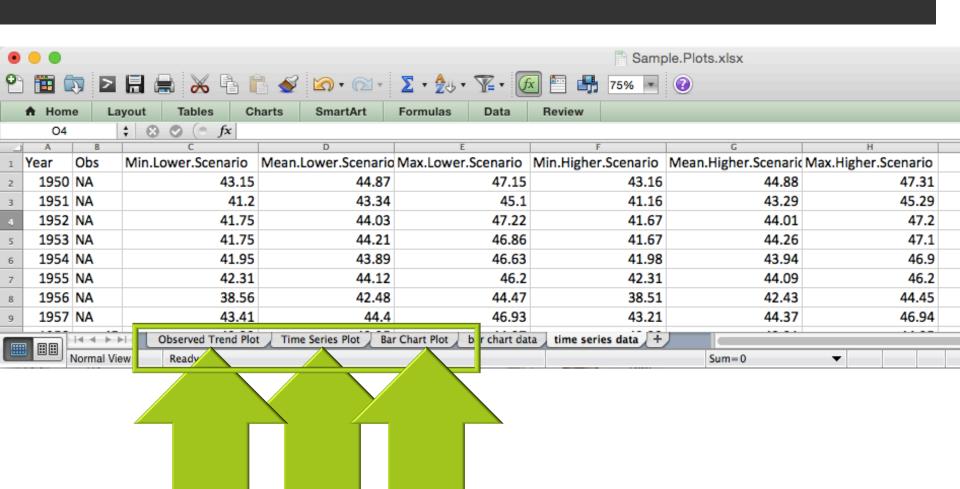
YESTERDAY ...

- STEP ONE: Opened the statistical programming package R on your computer. Follow the instructions so the program knows where to find the directories it will need.
- STEPS TWO and THREE: Calculated climate indicators using two types of data: (1) weather station data for one of 64 different stations around India, and (2) gridded data covering all of India.

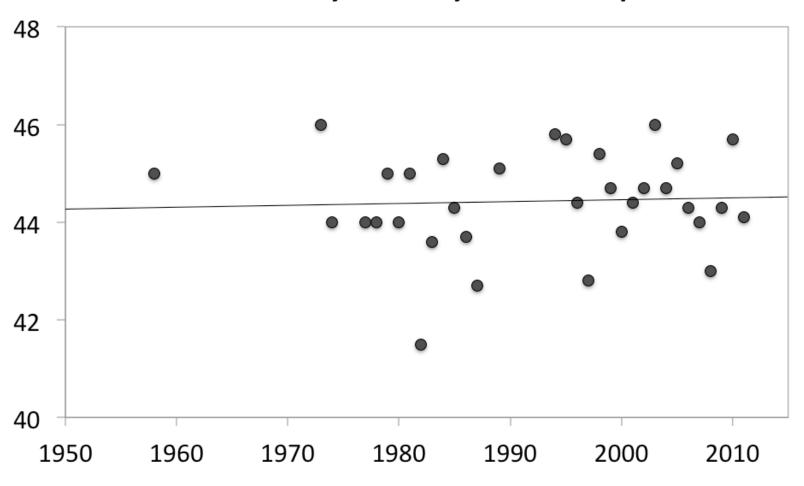
TODAY ...

 STEPS FOUR and FIVE: Plot the weather station projections using Excel, and plot the gridded data using a program called Panoply.

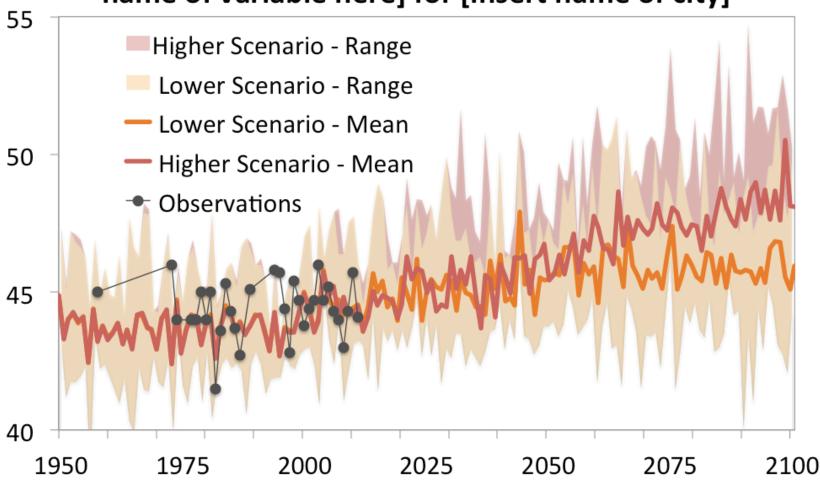




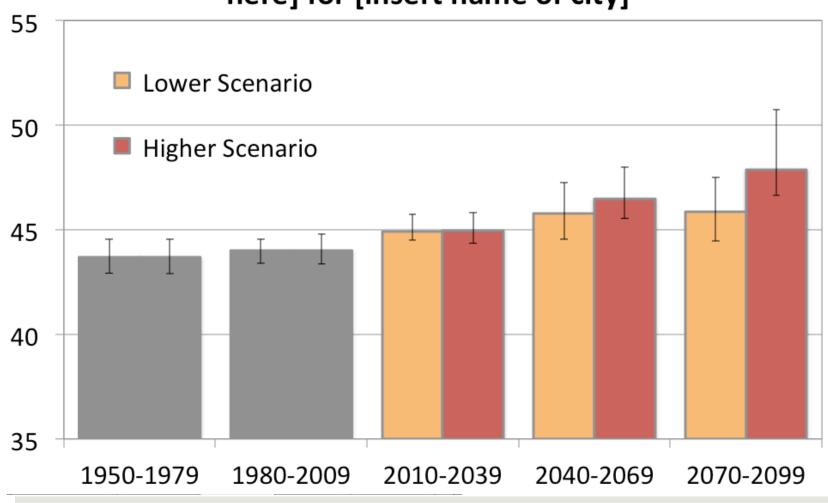
Observed trend in average temperature on the hottest 3 days of the year at Jabalpur



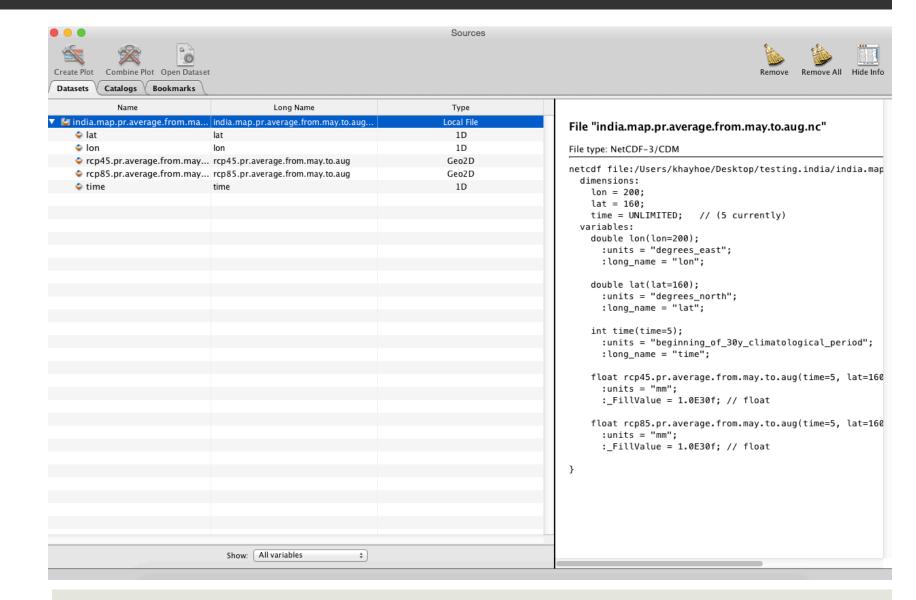
Observed and Projected Future Change in [insert name of variable here] for [insert name of city]



Projected changes in [insert name of variable here] for [insert name of city]

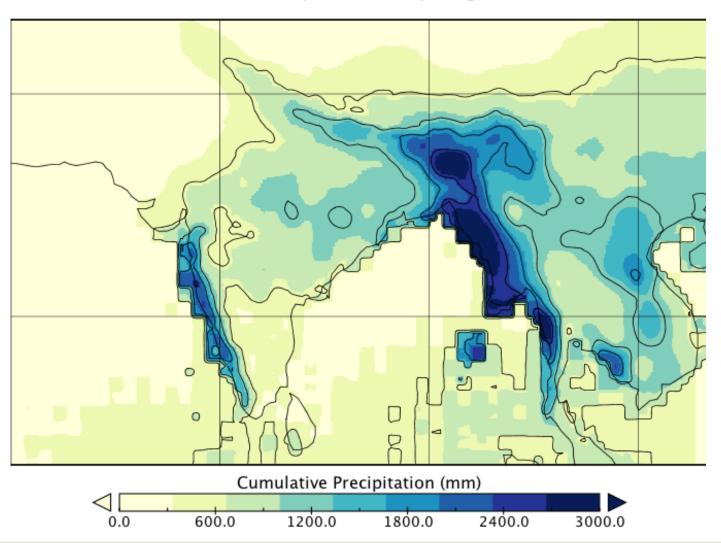


PANOPLY -> MAPS



PANOPLY -> MAPS

Monsoon Season Precipitation (May-Aug) for 2070-2099



TODAY ...

- STEPS FOUR and FIVE: Plot the weather station projections using Excel, and plot the gridded data using a program called Panoply.
- STEP SEVEN: Calculate one or two more variables that are relevant to your city or region.

We care about a changing climate

BECAUSE IT EXACERBATES MANY OF THE RISKS WE ALREADY FACE TODAY

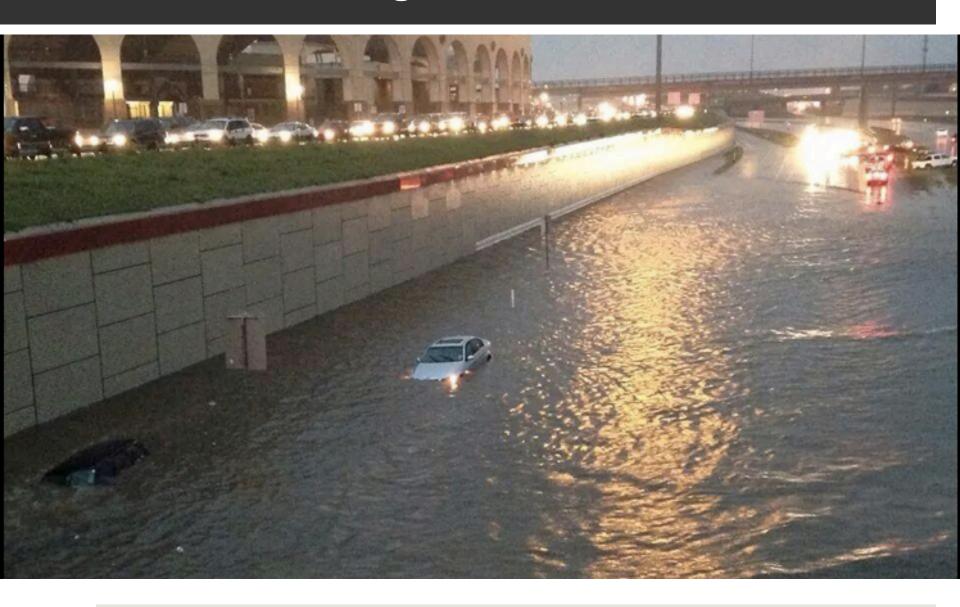
We're vulnerable to drought



... and water shortages



... and flooding



TODAY ...

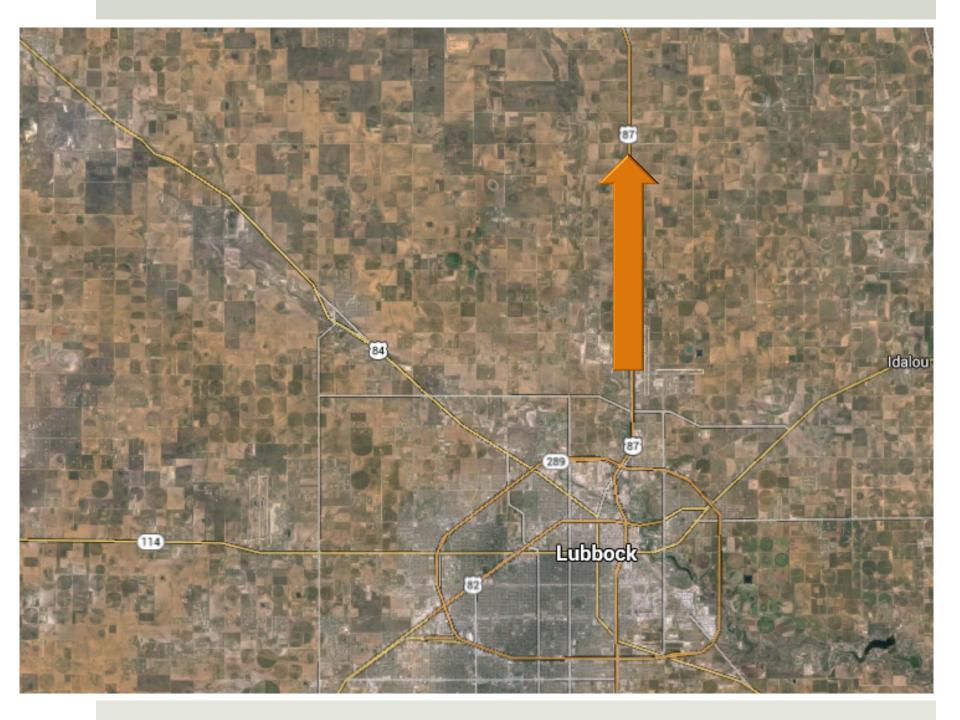
- STEPS FOUR and FIVE: Plot the weather station projections using Excel, and plot the gridded data using a program called Panoply.
- STEP SEVEN: Calculate one or two more variables that are relevant to your city or region.
- STEP EIGHT: Turn your plots into a Powerpoint presentation!

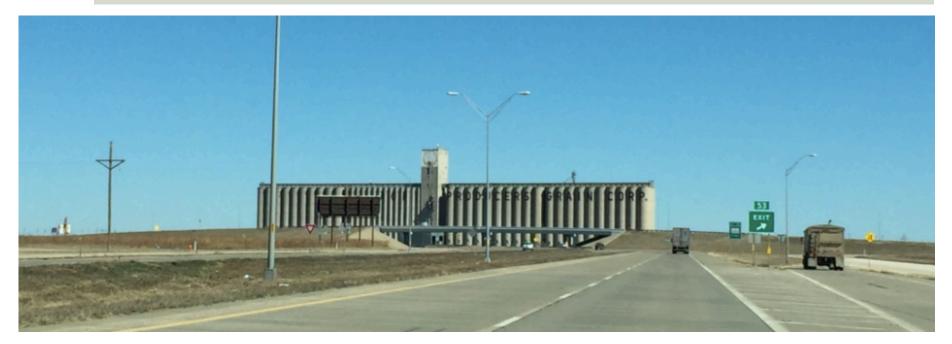
INSERT A PHOTO OR A PICTURE OF YOUR CITY OR REGION HERE

Climate Projections for [insert your city or region]

[YOUR NAME]

[Your Organization or Institution]





Plan for the curve in the road to ensure a safe future for all of us.