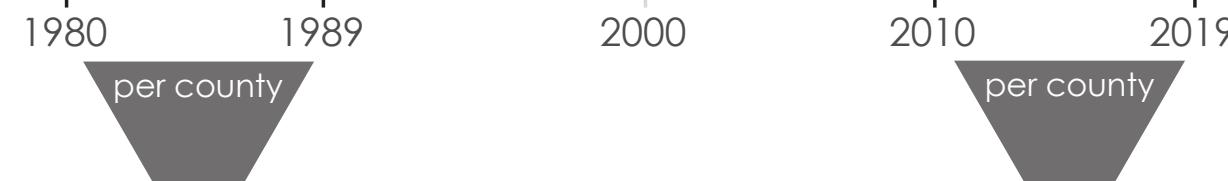


# How is US climate changing? (in recent decades?)



mean annual maximum temperature  
mean annual precipitation

mean annual maximum temperature  
mean annual precipitation

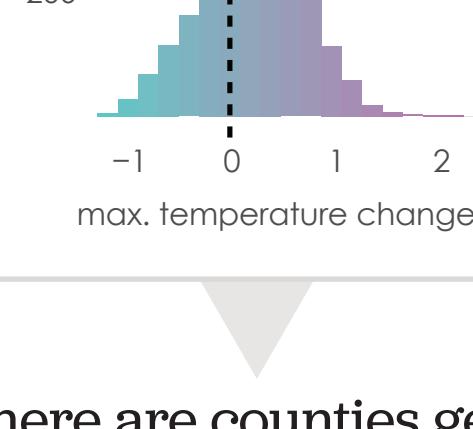
max. temp. '10-'19 - max. temp. '80-'89 =  
**max. temperature change**

$< 0$  = county cooling  
 $> 0$  = county warming

precipitation '10-'19 - precipitation '80-'89 =  
**precipitation change**

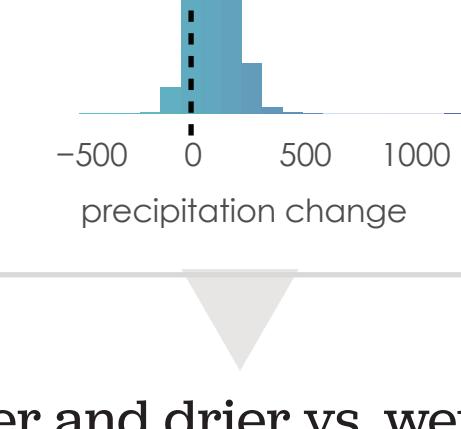
$< 0$  = county drying  
 $> 0$  = county wetting

counties cooling ← → counties warming



most counties are getting warmer and more rainfall (wetter)

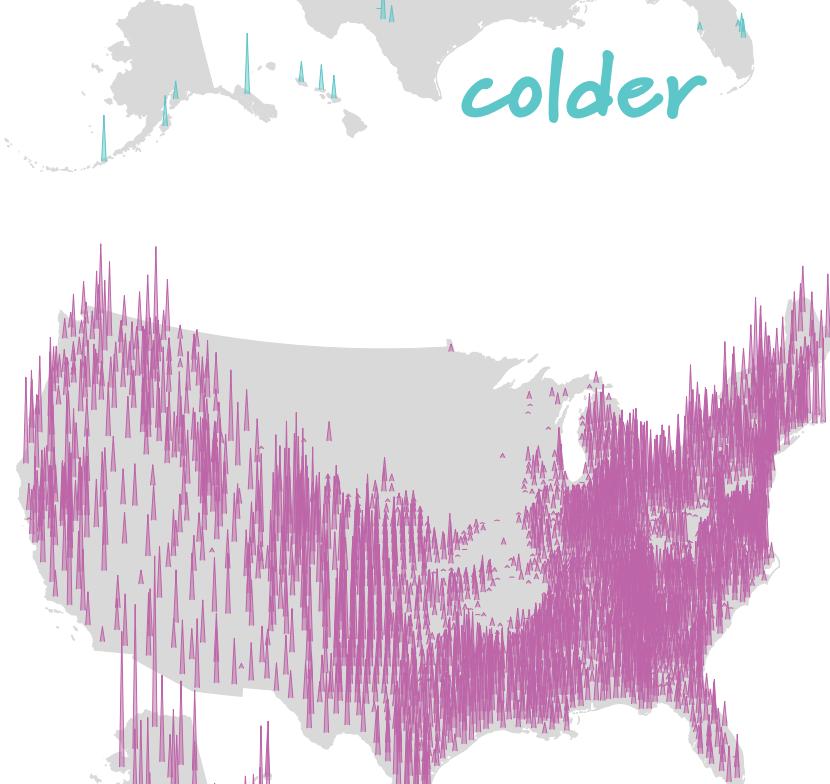
counties drying ← → counties wetting



## Where are counties getting warmer vs. colder and drier vs. wetter?

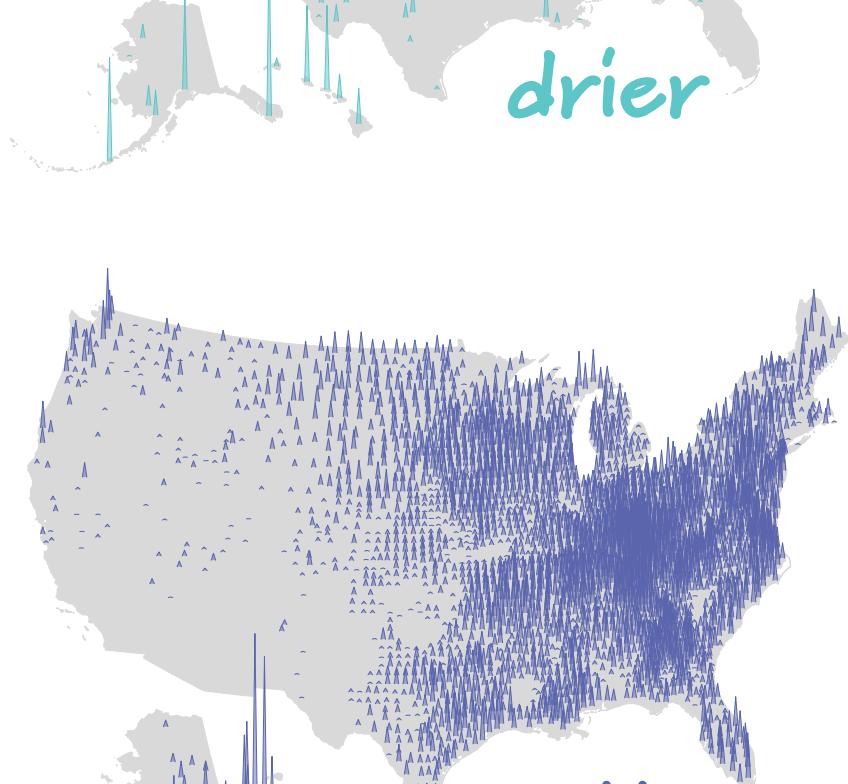
height of spikes show magnitude of temperature and precipitation change; taller spikes = greater change

max. temperature change



colder

precipitation change



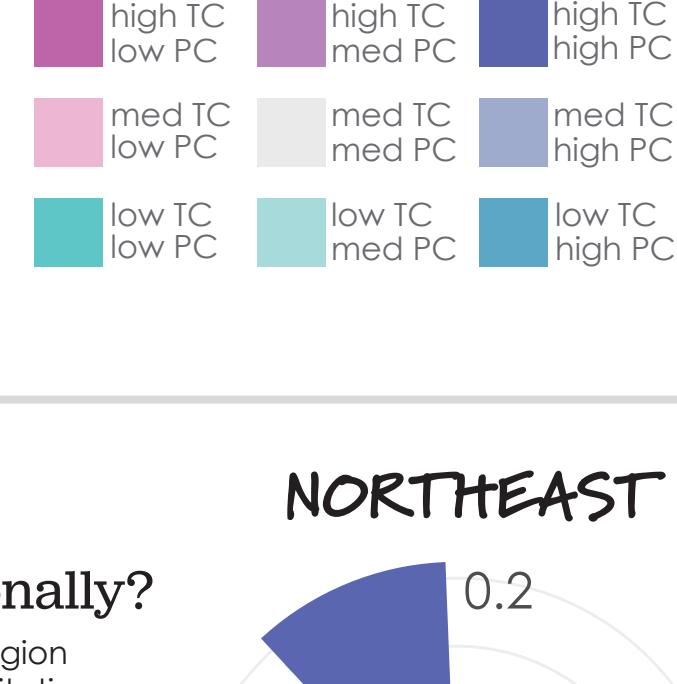
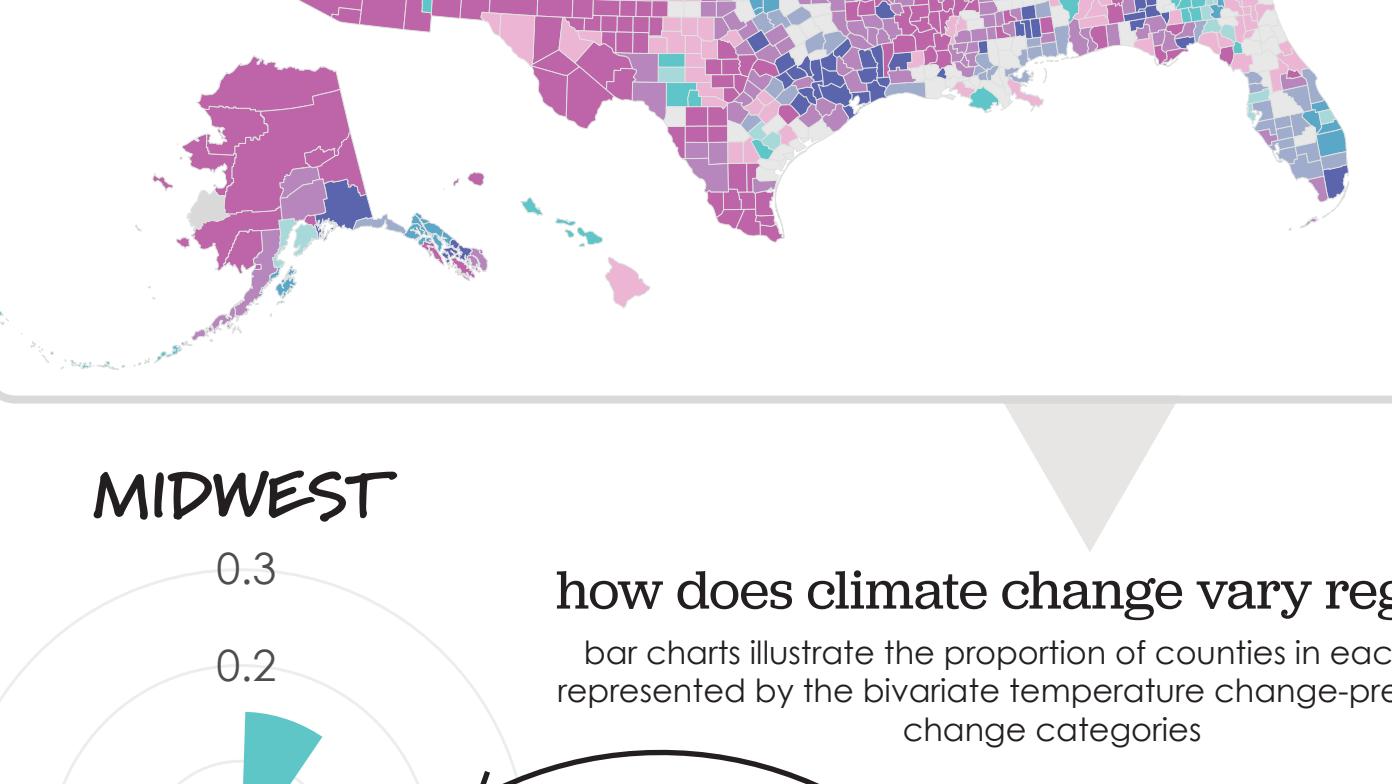
drier

warmer

wetter

## How do temperature and precipitation change interact?

a bivariate color scale groups counties according to the categories (low, med, high) of temperature(TC) and precipitation change (PC)



MIDWEST

0.3

0.2

0.1

0.0

how does climate change vary regionally?

bar charts illustrate the proportion of counties in each region represented by the bivariate temperature change-precipitation change categories

NORTHEAST

0.2

0.1

0.0

0.0

WEST

0.4

0.2

0.0

climate change varies regionally:  
the west is getting warmer & drier  
the midwest is getting cooler & drier  
the northeast and south are getting warmer and wetter

SOUTH

0.2

0.1

0.0