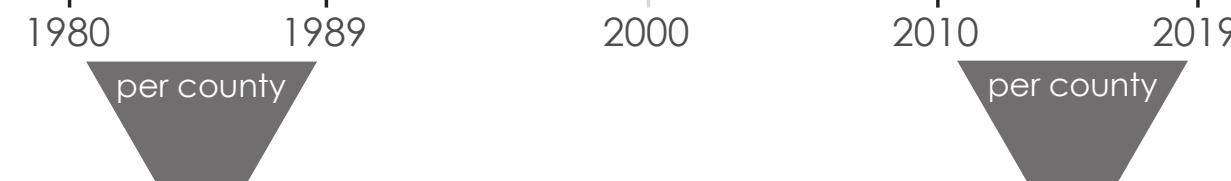


How is US climate changing? (in recent decades?)



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

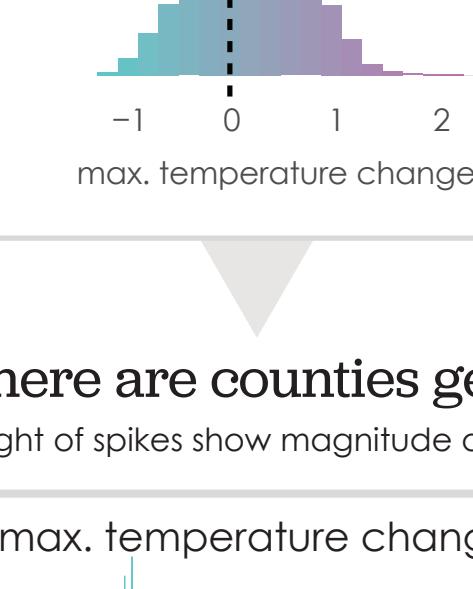
- $< 0 = \text{county cooling}$
- $> 0 = \text{county warming}$

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

precipitation change

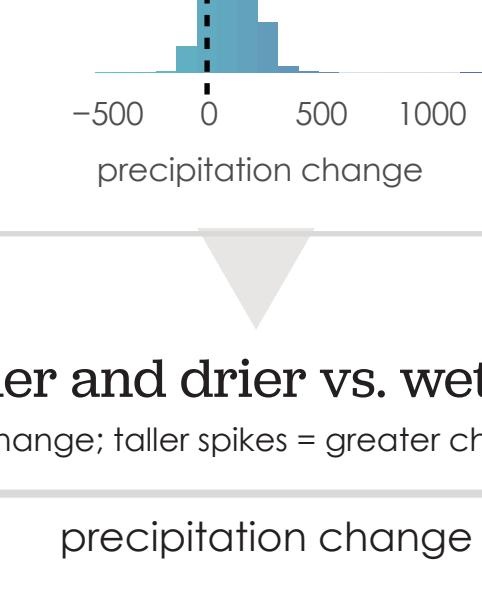
- $< 0 = \text{county drying}$
- $> 0 = \text{county wetting}$

counties **cooling** ← → counties **warming**



most counties are getting warmer and more rainfall (wetter)

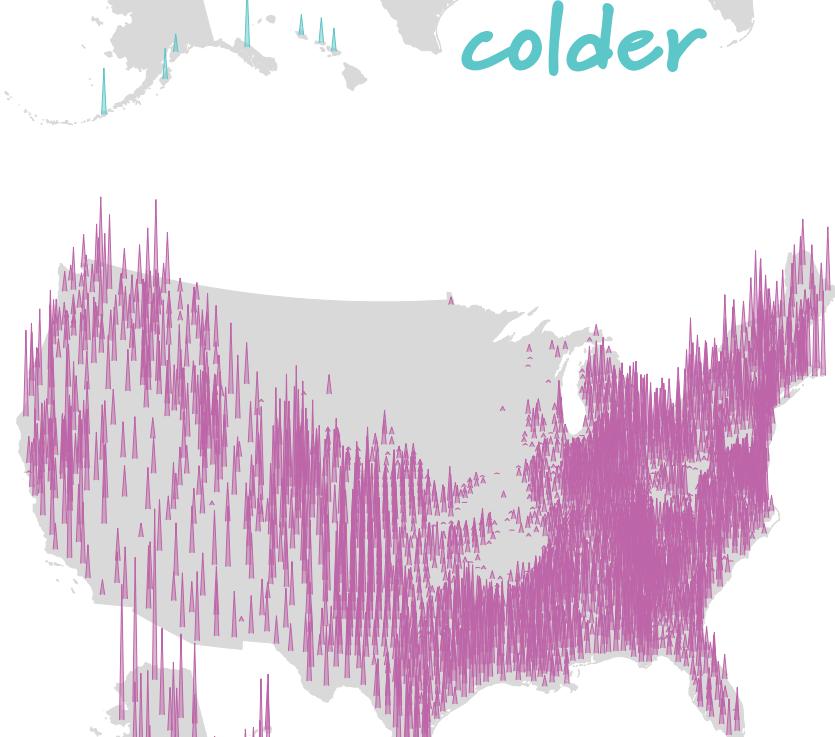
counties **drying** ← → counties **wetting**



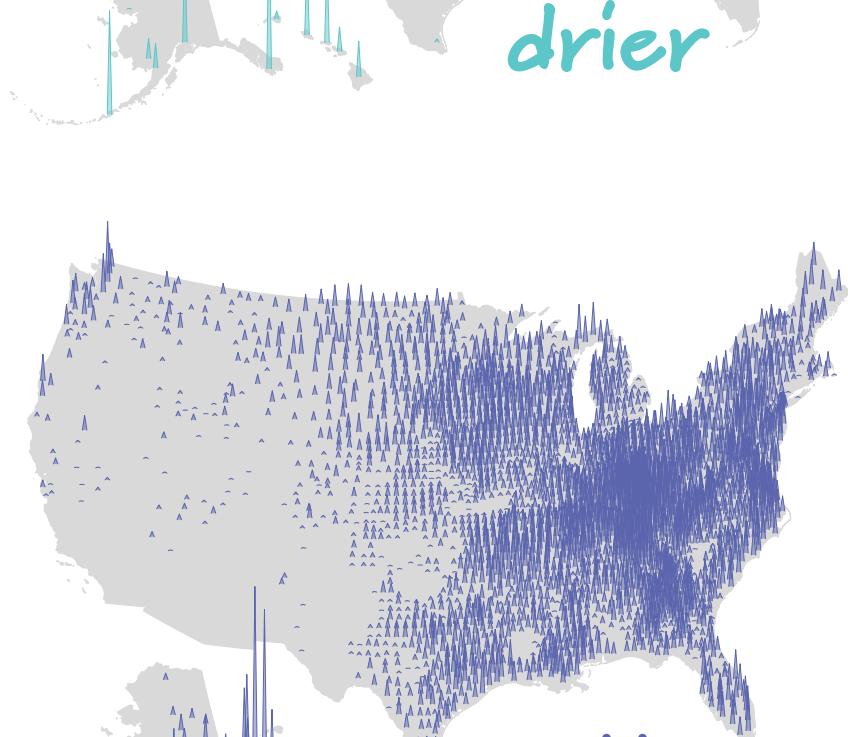
Where are counties getting warmer vs. colder and drier vs. wetter?

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

max. temperature change



precipitation change

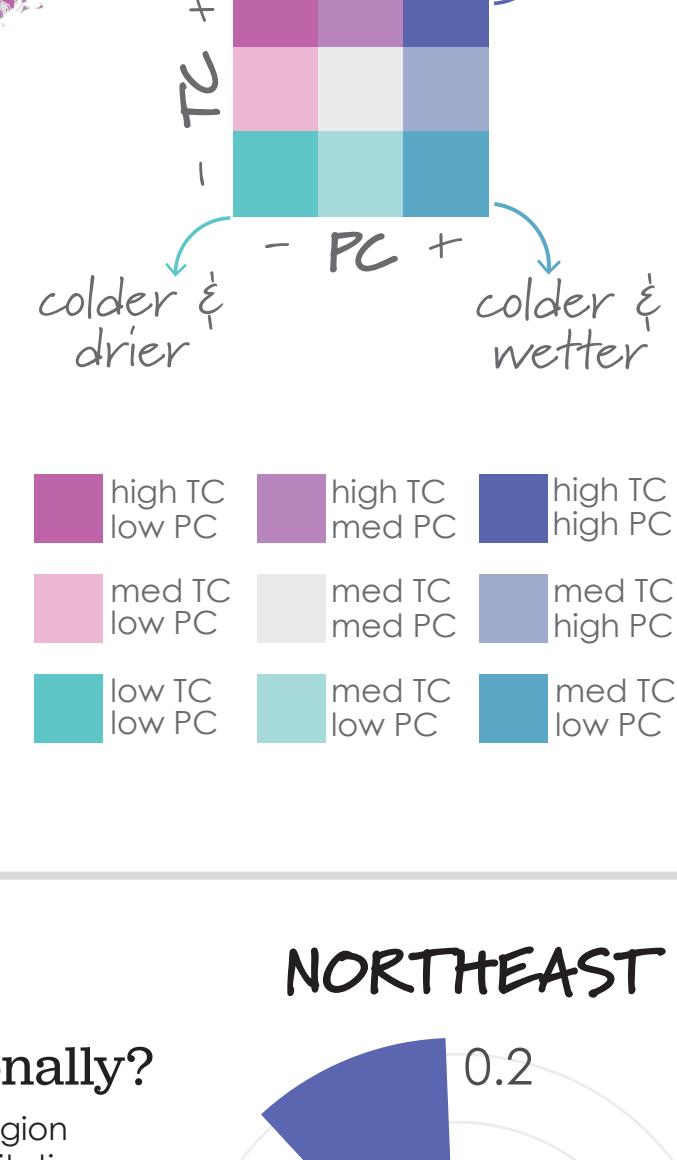
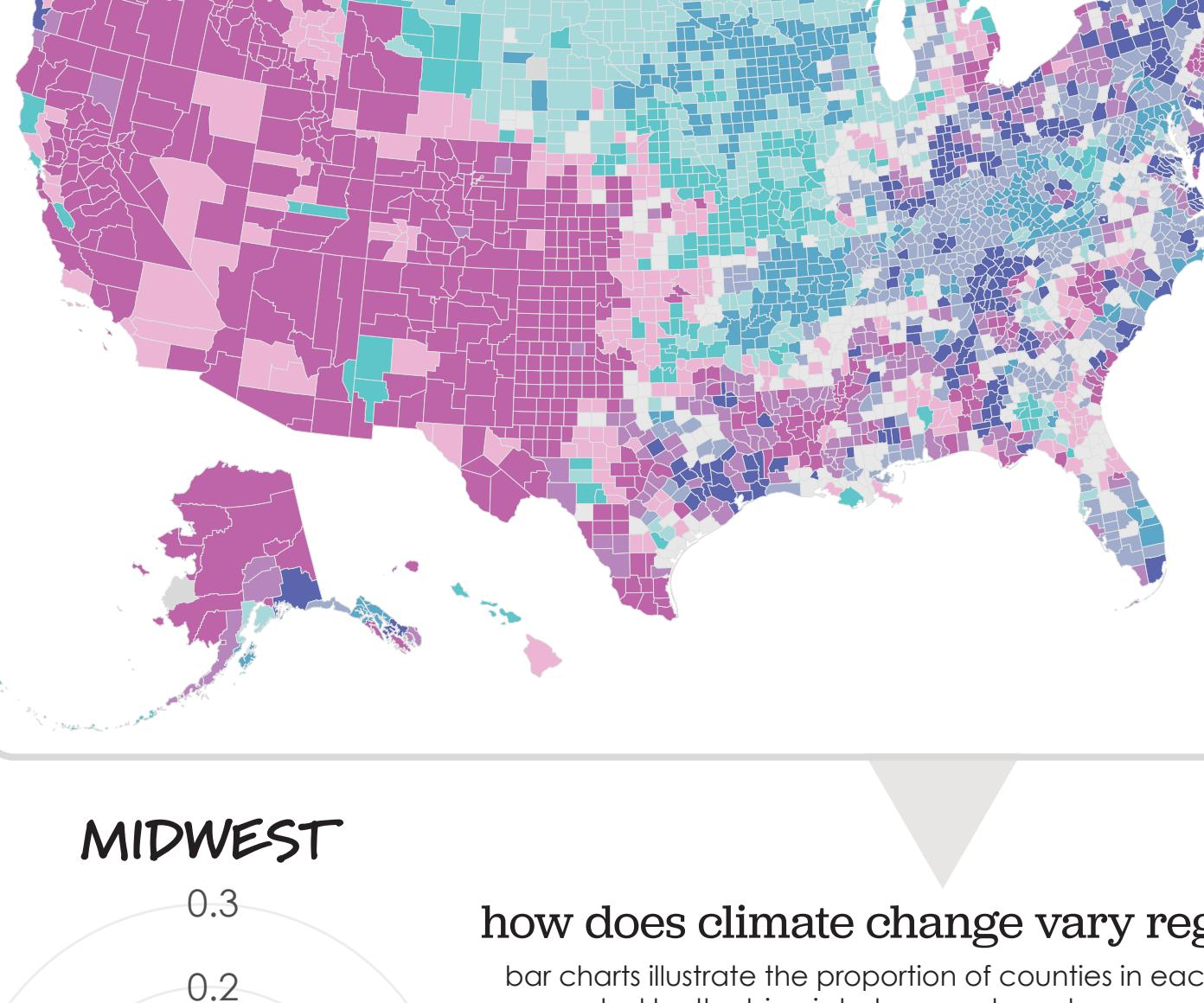


warmer

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

0.0