

- Understand the data. - Many plots
- Effectively communicate our findings *- One or a few plots*

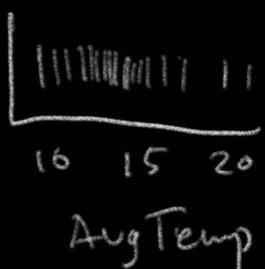
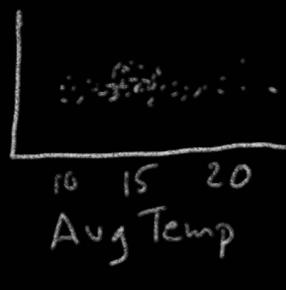
Example

1. Glance at the data

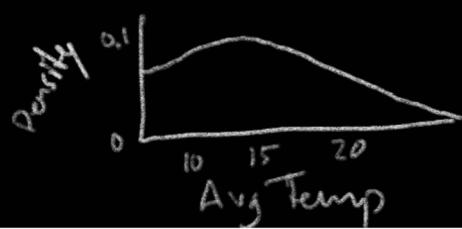
Draw out plots if needed

Continent	Country	AugTemp 2020
Asia	Japan	25
Asia	Nepal	26
Europe	Sweden	15
:	:	:

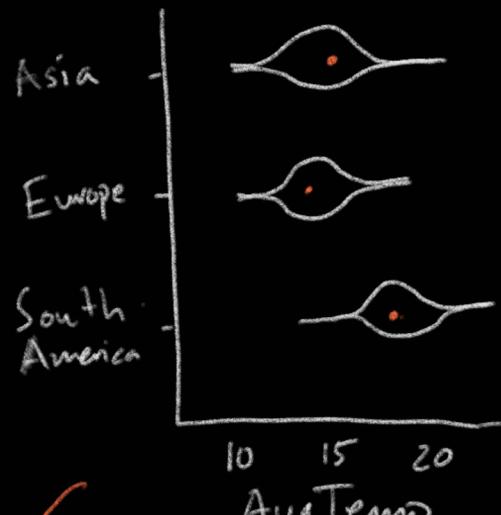
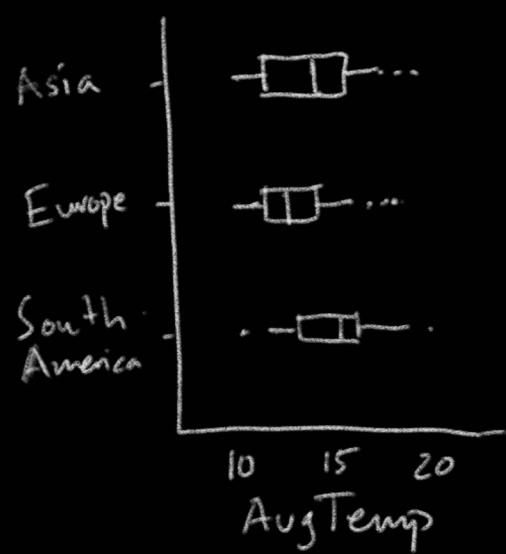
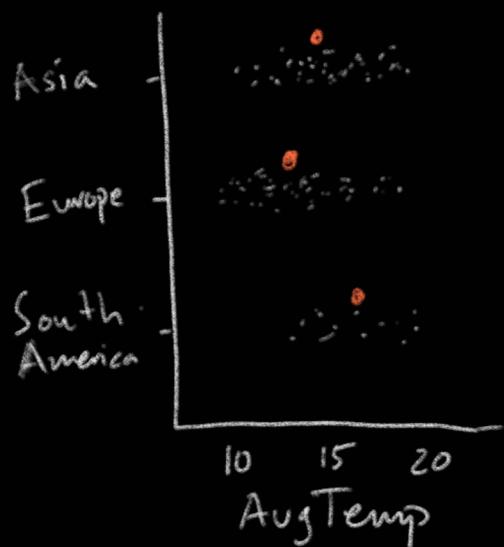
2. Distributions



Shows all the data
Great if there are a few points



3. Explore a pairwise relationship
or compare groups ✓ How do continents differ?

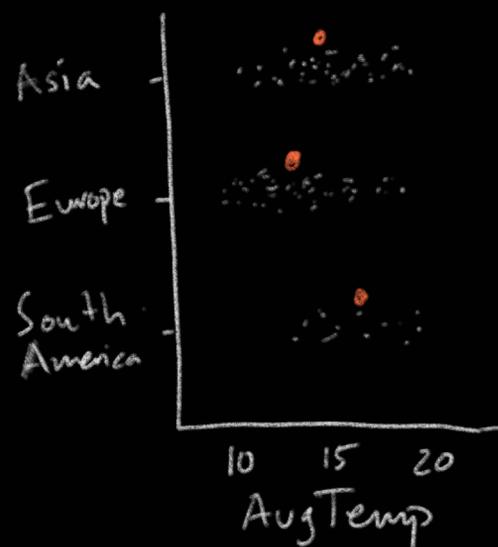
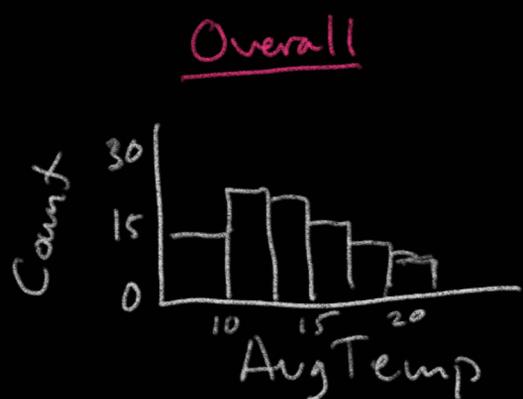


Not enough
Also plot the individual
observations for yourself

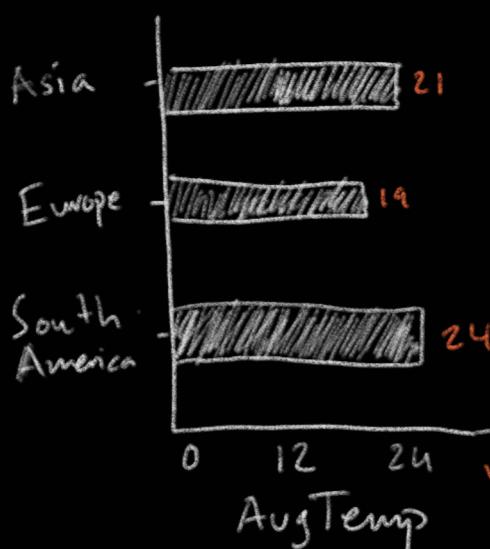
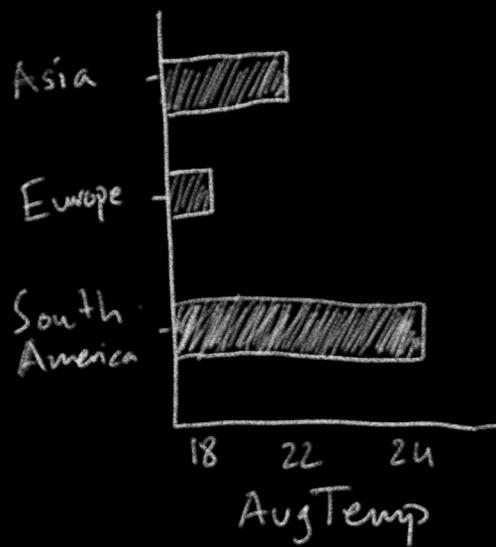
4. Communicate findings

- Draw out idea

Specific Comparison

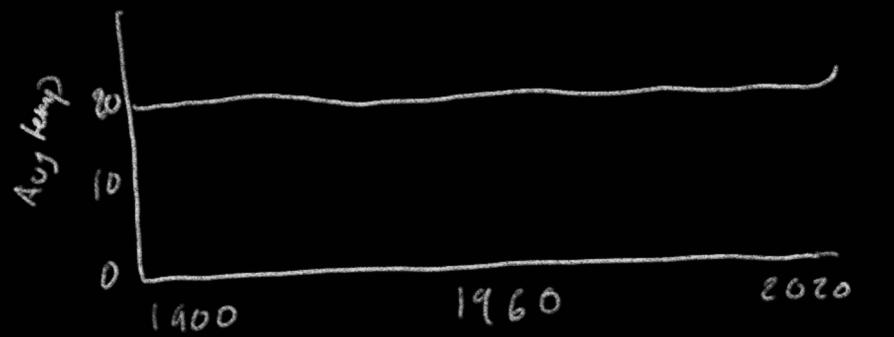


Interpreting plots

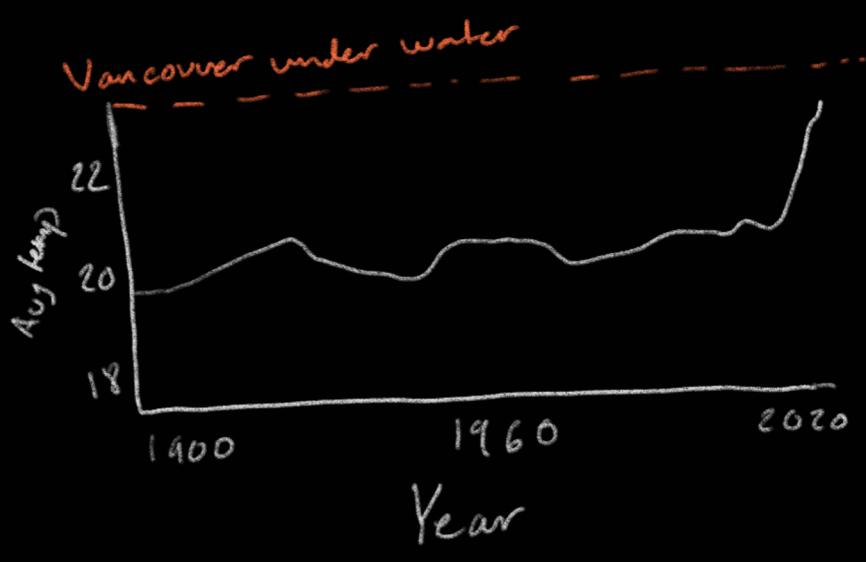


Don't forget to
look at the individual
observations!

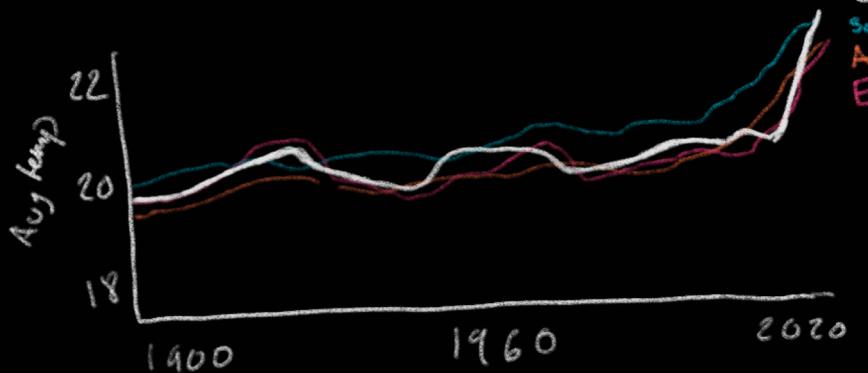
Don't blindly adhere to guidelines



Use domain expertise when deciding the axis range.



You could include more information, but it can distract from the main message.



Trying to include information about the spread of all countries is probably too much unless the audience is technical, or it is important for the overall take home message.

