CLT 1: Why is there a "Climate Debate?" How should we interpret data?

1.1 Introduction to the Climate Module

Looking at the "Learning Objectives" slide, what do you anticipate will be the most difficult aspects of this module will be?

What are some of the sources for the increased CO_2 level in our atmosphere?

What are some of the effects of the global warming that are mentioned in the video?

THINK:

Why do you think many people do NOT believe in climate science? (we will discuss this in class)

1.2 Potential Impacts of Climate Change

What are the potential impacts of climate change that Canan Hoca mentioned in the video?

In [Paris agreement](#) signed by most countries in 2016, what was agreed?

1.3 Climate Science Data: The Evidences 1 & 2

What are the two "evidences" presented in the video?

Would you agree or disagree that these data support the claim that the climate is changing? Why or why not?

1.4 Climate Science Data: The Evidences 3 & 4

What are the two "evidences" presented in the video?

Would you agree or disagree that these data support the claim that the climate is changing? Why or why not?

THINK:

How would you convince people who disagree with your position on climate change, using these data? (we will discuss this in class)

1.5 Correlations vs. Causations

What does that mean when two variables are correlated?

Using the information at the end of the video about degree of relationship, sketch the following:

1. Strong positive correlation   2. Weak negative correlation

3. No correlation

If two variables are correlated, does that mean that one is causing the other? Why or why not?