



## **Article Guide: Climate Change Myth's Part 1: Baby, it's cold outside**

<http://scienceovereverything.com/2017/02/27/climate-change-myths-part-1/>

### **As you read each paragraph:**

- Vocabulary – Box vocabulary words or words that you have not seen before
- Focus Questions – Underline in the text where these questions are as you read

### **Introduction paragraph**

1. When does a hemisphere experience winter? Why would you expect colder temperatures during these months?

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### **Myth 2: Weather and Climate are the same thing?**

2. What is weather? How is that different than climate?

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### **Modeling sample size**

3. How did Mike Trout and Alex Rodriguez play for the 5 games in the example? How did that compare to how they each have played over the last several years?

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4. How did increasing the amount of data help in the example?

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Weather vs. Climate

- 5. If a winter day is colder than normal, does that mean a region’s climate is changing? If not, what would you need to do in order to make a claim about the climate?

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**Discussion**

Many people who do not believe that global temperatures are rising often point to their local weather to discredit scientific research. Why do you think that weather is confused for climate? Do you think it harder to see long term trends?

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**Vocabulary Guide**

<b>Temperature</b>	temperature, average, data, weather, atmosphere, climate, precipitation, humidity, trend
<b>Average</b>	
<b>Data</b>	
<b>Weather</b>	
<b>Atmosphere</b>	
<b>Climate</b>	
<b>Precipitation</b>	
<b>Humidity</b>	
<b>Trend</b>	