**QUESTION**

We wondered if the type of cloud cover affected the ground temperature under the clouds

**HYPOTHESIS**

We believe that the type of cloud cover does affect the ground temperature. The more cloud cover the cooler the ground temperature. The less cloud cover the warmer the ground temperature.

**DATA**

We collected data to test our hypothesis. Our data included cloud observations and ground temperature readings.

All temperature readings occurred at 12:00p.m. local time.

**Friday, March 1, 2024**

**Ground TEMP: 56 F**

**CLOUD OBSERV:**

**Cloudy, dark, some white clouds visible**

**Saturday, March 2, 2024**

**Ground TEMP:** **53 F**

**CLOUD OBSERV:**

**Cloudy, sky was gray**

**Sunday, March 3, 2024**

**Ground TEMP:** **62 F**

**CLOUD OBSERV:**

**Cloudy, sky was gray, sometimes you could see the sun, some white stripey clouds seen**

**Monday, March 4, 2024**

**Ground TEMP:** **70 F**

**CLOUD OBSERV:**

**Bright, sunny, no clouds visible, warm outside**

**CONCLUSION**

We concluded that cloud cover does affect the ground temperature. The amount of clouds in the sky affects how much sun light reaches the ground. Less Clouds = More Sun

More Sun = Greater Surface Temperature