

Variables

1. Outside temperature
2. Ice cream sales at an ice cream shop

Measuring the Variables

1. Outside temperature can be measured with a thermometer
2. Ice cream sales can be measured by tracking an ice cream shops sales

Objective vs Subjective

1. Measuring outside temperature is objective because using a thermometer gives an exact and consistent measurement.
2. Measuring ice cream sales is also objective, again giving an exact and consistent measurement.

Positive vs Negative Correlation

I think that these two variables would have a positive correlation because if the outside temperature goes up, I think ice cream sales will usually also go up. If outside temperature goes down, I think ice cream sales will usually go down.

Third Variable

A third variable that might impact this correlation could be the day of week, for example if it is a school or work day, people might be less likely to buy ice cream.