



Correlation vs. Causation

Today's Standard

HSS.ID.C9 - Distinguish between correlation and causation.

Cues	Notes
What is correlation?	<p>Correlation refers to a relationship between two variables where changes in one variable are associated with changes in another.</p> <p>Causation indicates that one event is the result of the occurrence of the other event; there is a cause-and-effect relationship.</p> <p>Distinguishing between correlation and causation involves looking for additional evidence, understanding the context, and using controlled experiments.</p> <p>Understanding the difference helps in making informed decisions, evaluating research, and avoiding false conclusions.</p> <p>Common misconceptions include believing that correlation implies causation and that no correlation means no relationship.</p>
What is causation?	
How can we distinguish between correlation and causation?	
Why is it important to understand the difference?	
What are common misconceptions?	

Summary

Understanding the distinction between correlation and causation is crucial for accurate data interpretation and informed decision-making. Common misconceptions can lead to incorrect conclusions, so it's important to critically evaluate evidence and context.