

CHAPTER OVERVIEW

24: Modeling Continuous Relationships

Learning Objectives

- Describe the concept of the correlation coefficient and its interpretation
- Compute the correlation between two continuous variables
- Describe the potential causal influences that can give rise to a correlation.

Most people are familiar with the concept of *correlation*, and in this chapter we will provide a more formal understanding for this commonly used and misunderstood concept.

[24.1: An Example- Hate Crimes and Income Inequality](#)

[24.2: Is income Inequality Related to Hate Crimes?](#)

[24.3: Covariance and Correlation](#)

[24.4: Correlation and Causation](#)

[24.5: Suggested Readings](#)

[24.6: Appendix-](#)

This page titled [24: Modeling Continuous Relationships](#) is shared under a [CC BY-NC 4.0](#) license and was authored, remixed, and/or curated by [Russell A. Poldrack](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.