Financial Statistics

MODULE 21: LESSON GUIDE

This module illuminates how statistics and probability are crucial tools in finance by teaching students how to analyze data from samples, make inferences, and apply these concepts in real-world decisions. This knowledge is fundamental in navigating the uncertainties of financial markets and in making well-informed investment choices.

Time Required:
90-120 minutes

SUPPLIES:

Notebooks
Computers, Phones or Tablets
Internet Access
Projector
Activity Sheets (Optional)

ACTIVITIES & ARTICLES

ACTIVITIES
No Activities Listed

ARTICLES
No Articles Listed

GUIDING QUESTIONS

- How can statistics help us understand a larger population by examining just a sample of it?
- What makes a sample representative of a population?
- What limitations and risks can sampling introduce?
- How do you use data from a random sample to make inferences about a population?
- What is the difference between correlation and causation?
- What are scatter plots and how do they help us visualize trends in data?

ENDURING UNDERSTANDINGS

- Statistics provide valuable insights into populations by analyzing representative samples, highlighting the importance of sample selection.
- Random sampling is crucial in statistics as it tends to produce the most representative and unbiased samples, leading to valid generalizations.
- Inferences about population characteristics can be drawn by examining and interpreting data from random samples.
- Correlation is not causation, so be sure to think about underlying data when you're evaluating relationships.

STANDARDS ALIGNMENT

No Jump$tart or Council of Economic Education Standards listed.

Common Core Standards Not Yet Updated.