

## Chapter 2 Psychological Research Methods and Statistics

### Vocabulary

- Sample
- Survey
- Correlation
- Experimental group
- Single-blind experiment
- Statistics
- Normal curve
- Standard deviation
- Naturalistic observation
- Longitudinal study
- Hypothesis
- Control group
- Double-blind experiment
- Descriptive statistics
- Central tendency
- Correlation coefficient
- Case study
- Cross-sectional study
- Variable
- Self-fulfilling prophecy
- Placebo effect
- Frequency distribution
- Variance
- Inferential statistics

1. Describe what decisions are made before research can begin.
2. Explain the following methods of research: Naturalistic Observation; Case Studies Surveys; Longitudinal Studies; Gross-Sectional Studies; Correlations and Explanations; and Experiments.
3. What ethical issues are important to the collection, storage, and use of psychological data?
4. How can experimenters keep their behavior from influencing the results of their experiments?
5. Explain the Milgram Experiment.
6. What is the Placebo Effect?
7. Explain the following parts of descriptive statistics: distribution of data; measures of central tendency; measures of variance; and correlation coefficients.
8. Explain how Probability and Chance, and Statistical Significance are used in making generalizations about the population.

Read all the caption and text boxes.

Pay attention to any people mentioned.