Know how to apply the following terms:

Variable
Population
Sample
Descriptive statistics
Inferential statistics
Sampling error
Discrete observations
Continuous observations
Correlational research
Experimental research
Independent variable
Dependent variable
Confounding variable
Random assignment
Matching
Levels of an independent variable
Control condition
Experimental condition
Nonexperimental studies
Operational definition
Reliability
Validity
Between subjects
Within subjects
Symmetrical distribution
Positively skewed distribution
Negatively skewed distribution
Ceiling effect
Floor effect

Know when and how to use each of the following:
Histogram
Frequency distribution table
Grouped frequency distribution table
Polygon
Bar graph
Stem and leaf displays
Scatterplot

Know the scales of measurement (nominal, ordinal, ratio, interval)