

**Statistical Literacy
Assessment of Student Learning Outcomes**

STUDENT LEARNING OUTCOMES

METHOD OF ASSESSMENT *

1	Can distinguish association and causation. Can use ordinary English to form arithmetic associations of numbers and ratios.	Multiple choice questions and one-line written statements
2	Can identify and evaluate various kinds of influence (confounding, assembly, randomness and error/bias) on a statistic.	Multiple choice questions and written statements some of which involve arithmetic calculations
3	Can identify, evaluate and use various techniques to take control of – or control for – these influences.	Multiple choice questions some of which involve arithmetic calculations
4	Can use ordinary English to describe and compare statistics as presented in statements, tables and graphs.	Multiple choice questions and one-line written statements
5	Can evaluate the strength of evidence provided by statistics in the everyday media, in press releases and journal articles.	Based on the quality of writing in the online forum in analyzing news stories

* May include in-class or video presentations depending on the instructor.