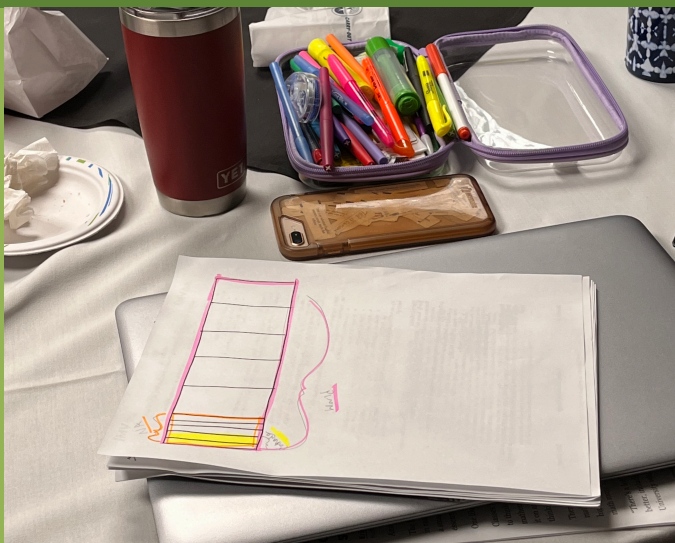


Statistics I and Data

A VMI Professional Development Opportunity for Teachers



July 14-18, 2025



“Statistics is a methodological discipline. It exists not for itself, but rather to offer to other fields of study a coherent set of ideas and tools for dealing with data. The need for such a discipline arises from the omnipresence of variability.”

Moore and Cobb (1997)

The Guidelines for Assessment and Instruction in Statistics Education (GAISE) Report, endorsed by the American Statistical Association, is the authoritative report that guides curricular decisions in K-12 and college education. The GAISE report describes this focus on the omnipresence of variability as the distinguishing feature of statistics education and the idea that sets statistics apart from mathematics. As described in the report (2005), *“a major objective of statistics education is to help students develop statistical thinking. Statistical thinking, in large part, must deal with this omnipresence of variability; statistics problem solving and decision making depend on understanding, explaining, and quantifying the variability in the data.”* (p. 6)

This Vermont Mathematics Initiative (VMI) course begins the study of statistical thinking and provides an introduction to descriptive statistics with an emphasis on applications in education as well as connections to other areas of K-12 mathematics. Topics include graphical and numerical organization and presentation of data, summary statistics for quantitative data, including measures of center, and measures of variability, properties of the normal curve, placement of individuals within a distribution, and measures of relationship between variables.

The Details:

Location: VTSU/VTC campus, Williston, VT

Time: 8:30-4:30 (Monday), 8:00-4:00 (T-F)

Cost: \$2037 includes 3 VTSU Graduate Credits, all materials, a catered lunch each day, and hotel accommodation for those living more than one hour from campus.

To register: visit <https://www.surveymonkey.com/r/CRM9YSG> or use this barcode



Questions: contact Judi Laird, VMI Director (judi@vmimathematics.com)