

Working Group 2 : Statistics and Probability

Gail Burrill

Citizens in every country are encountering more and more information in their work and in their own lives. Learning to make sense of this information and to use it to make reasoned judgments is critical. Probability as a tool for making inferences based on data is equally important. Reports of statistics in the media illustrate the centrality of the topic and can provide rich material for work with students at all levels.

This strand will explore statistical programs in various countries, investigate common elements, and how they might be taught for general literacy as well to provide options for continuing study. One particular area of interest is the use of technology to provide new ways of thinking about how to teach for understanding as well as for applications to real problems. Other discussion may focus on the how to integrate statistical ideas into the curriculum, what key concepts should be part an introductory statistics course, the role of research in statistics education, or on how to teach particularly difficult statistical concepts.

The focus of this strand will be on the links between fundamental statistical concepts and how to develop these ideas in classrooms so that students learn to make reasonable decisions based on understanding and interpreting data using sound statistical thinking.