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John D McKenzie\* (mckenzie@babson.edu), Mathematics and Science Division, Babson College, Babson Park, MA 02457-0310, and Robert N Goldman (robert.goldman@simmons.edu), Mathematics Department, Simmons College, 300 The Fenway, Boston, MA 02115-5898. Creating Graphs for Better Analyses, Explanations, and Presentations.

Statisticians use graphs to analyze data and to present the results of their analyses. They also use graphs to illustrate probabilistic and statistical concepts. In an introductory applied statistics course this is most often done by using Minitab, SPSS, and Excel. This presentation will update the 2002 Teaching Statistics paper, "Classifying Data Displays with an Assessment of Displays Found in Popular Software", written by the presenters for the latest releases of the above software. Then they will present novel ways that a combination of these readily available graphs may be used for analysis or conceptual understanding. Finally, they will present some basic rules for modifying an analysis graph for presentation, which are often missing from most textbooks. (Received September 26, 2006)