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**Sue B Schou\*** ([schosue@isu.edu](mailto:schosue@isu.edu)), PO Box 4043, Pocatello, ID 83205. *Data Visualization Using Minitab, Google Fusion Tables, and Tableau*. Preliminary report.

Any data analysis should begin by learning about the data visually. Various tools for visualization exist but should be accessed based upon the data visualization needed. Minitab has an excellent tool for visualizing probabilities and their distributions as well as tools for standard graphical analysis while Google fusion tables can be used to visualize data geographically. Tableau is specifically designed for “big data” manipulation and visualization. The purpose of this presentation will be to engage the audience in learning about new ways to analyze and visualize data with the best tools currently available. Specific instructions will be discussed and a variety of data sets examined. At the end of the discussion, details about how to access these tools will be made available. Minitab has a very reasonable university wide licensing fee for the full professional version. Google makes fusion tables available to universities by requesting the app be added to Gmail and Tableau offers free access to universities as well. (Received July 29, 2013)