

Web Based Interactive Graphics

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1 Abstract

Interactive graphics are a very valuable and established tool for exploring data, complementing analyses and interpreting results. Good interactive software comes usually as stand-alone program that is used by skilled analysts. However, the benefits drawn from an interactive approach could be applied beyond the scope of a single data analysis. This would require a more open and readily available framework that would allow fully interactive visualization ranging from analysis of reports to data mining drill-down. The Web 2.0 infrastructure allows the creation of highly interactive content. With the proper infrastructure it is possible to leverage this technology to create highly interactive visualizations that can be used for a variety of tasks ranging from data analysis, collaborative work, monitoring, education to interactive report generation. In this talk we will review various approaches used, highlight the requirements for interactive graphics on the Web and present practical examples along with a framework that enable the creation of interactive graphics and analytic Web applications.