

Interactive Exploration of Features in Multivariate, Multi-Type Data

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Faster computers, larger storage devices, and faster communications have produced an explosion in data. Data are vast, multivariate, and complex, derived from sensors, experimental procedures, simulations and computations. Traditionally, these data are explored each with its own set of tools. Our goal is to develop methods which allow people to explore different representations of data which are all linked together, allowing them to identify multi-dimensional features which span across data types and data representations. We will demonstrate WEAVE (Workstation Environment for Analysis and Visual Exploration), a system which enables interactive exploration across multiple data types, and other related work.