IVS–NVision Annual Lecture
Mapping Data to Dimensions of Perceptual Space.

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Because the bandwidth of the human visual system much is greater than that of the other senses, techniques of information visualization can enable use to comprehend more complex information structures. But the visual system is not a universal pattern recognizer, it is hard wired by evolution to process information presented in certain ways. This talk will introduce the dimensions of visual space and discuss the problem of mapping data dimensions to these. The talk will be illustrated with examples including the presentation of multi-dimensional discrete data, and the presentation of graphs.