

**Comparison of Nested Graphic Representations of Multidimensional Data:  
Mosaics vs Trellis vs TempleMVV**

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Abstract: Three methods of representing multidimensional data involve nesting dimensions in a single graphic rather than brushing and linking several low dimensional graphic representations of multidimensional data. The first method TempleMVV was invented in 1989 by Mihalisin, Gawlinski, Timlin and Schwegler. The second method known by a variety of names such as Tree Maps and Mosaics appeared in the early 1990s. The third method known as Trellis graphs (and called by a variety of other names by vendors other than Mathsoft) was first introduced in 1995. The suitability of each of these methods for various types of data analysis will be discussed. In addition, the ability of each method to deal with very large datasets will be discussed.