Hasse diagrams as a visual aid
for linear models and analysis of variance

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Resumo

The expectation part of a linear model is often presented as an equation with unknown parameters, and the reader is supposed to know that this is shorthand for a whole family of expectation models (for example, is there interaction or not?). I find it helpful to show the family of models on a Hasse diagram. By changing the lengths of the edges in this diagram, we can go a stage further and use it as a visual display of the analysis of variance.

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