An Intuitive Model Framework for Gestalt Grouping Principles
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The Problem

From Model to Decision

Putting It to the Test

Hierarchical Grouping

Increasing spatial blur transitions from letters to sentences to paragraphs

Solution: compare output segmentations with a “hypothesis,” represented by a canonical segmentation

Comparisons are performed using the Variation of Information metric (Meilă 2007)

Model Results

Human Results

Grouping by Orientation

References


Conclusion

The method described here effectively converts the rich output of our model framework to hypothesis-dependent vectors which can be analyzed in comparison with human data. Applying this method to the above experiment replicated much of the grouping behavior of human subjects.