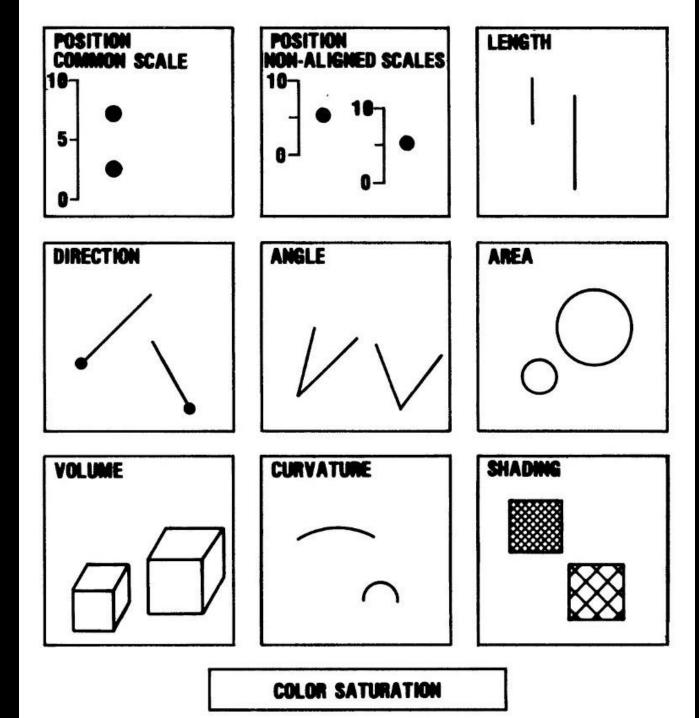
PERCPCJA: 39 badań percepcji człowieka w 30 mniut

Małgorzata Sobczak, Marta Jóźwik



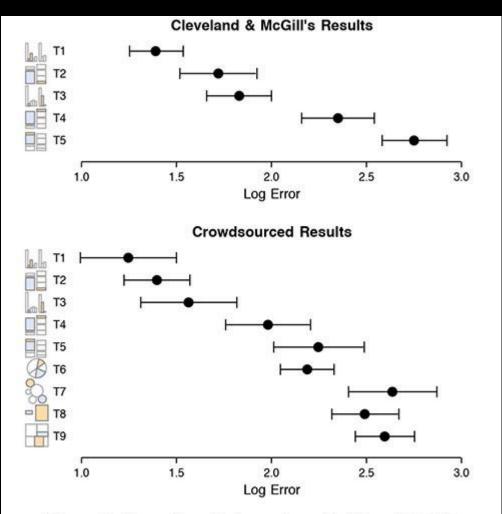


Figure 4: Proportional judgment results (Exp. 1A & B). Top: Cleveland & McGill's [7] lab study. Bottom: MTurk studies. Error bars indicate 95% confidence intervals.

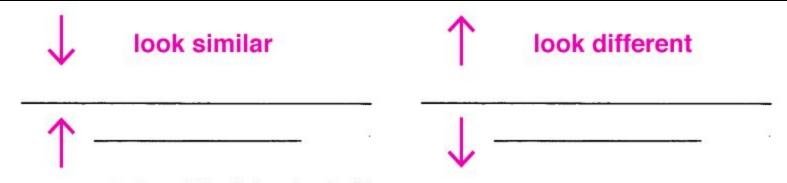


Figure 1. Example of the parallel-lines illusion configuration. Relative to a no-context control line, the test line is overestimated when presented with the longer contextual line.

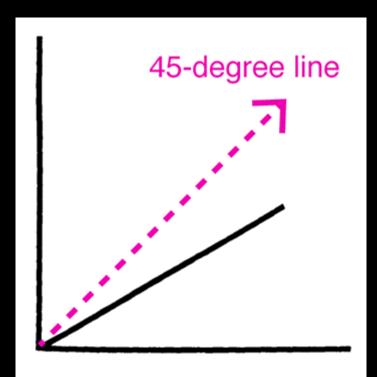


Figure 1. A sample stimulus configuration.

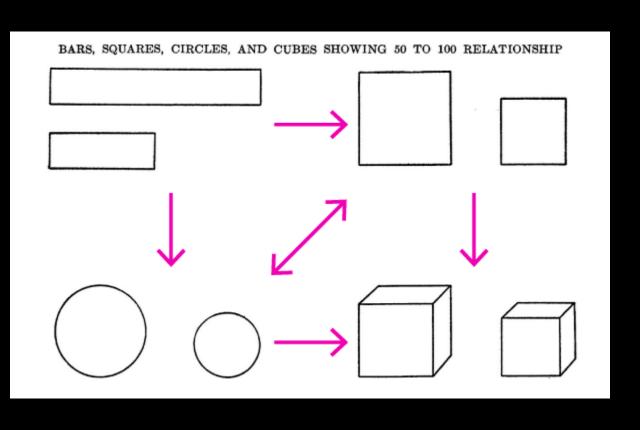
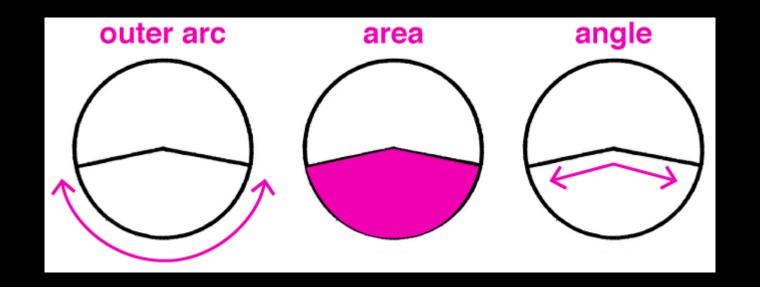
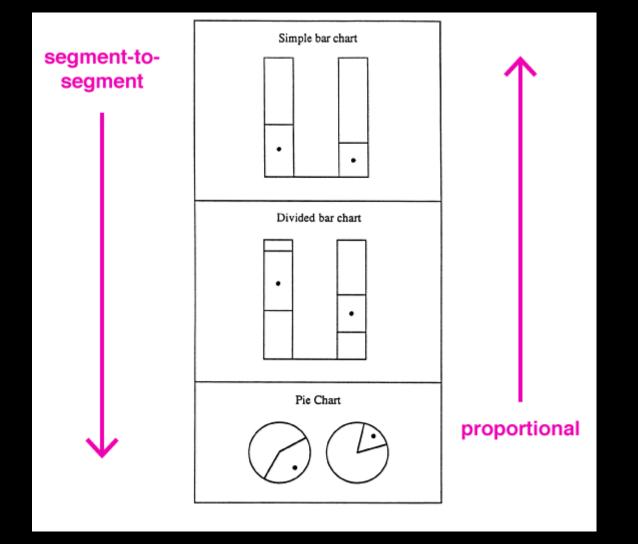
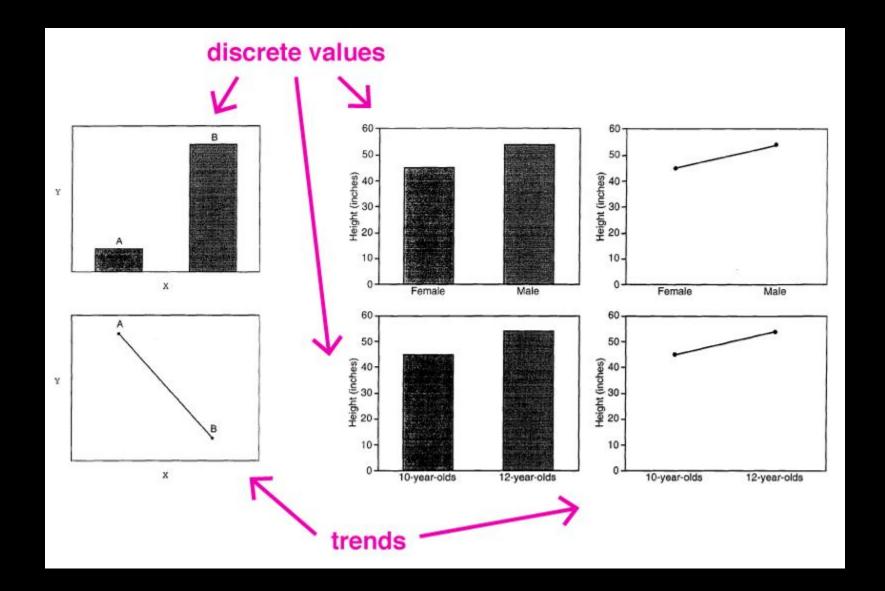


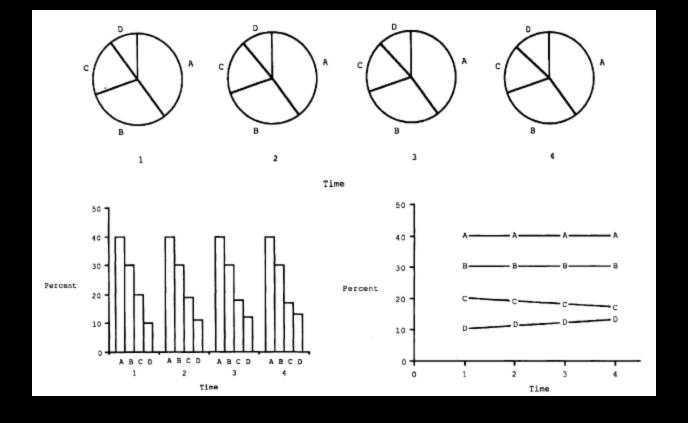
FIGURE I

5]









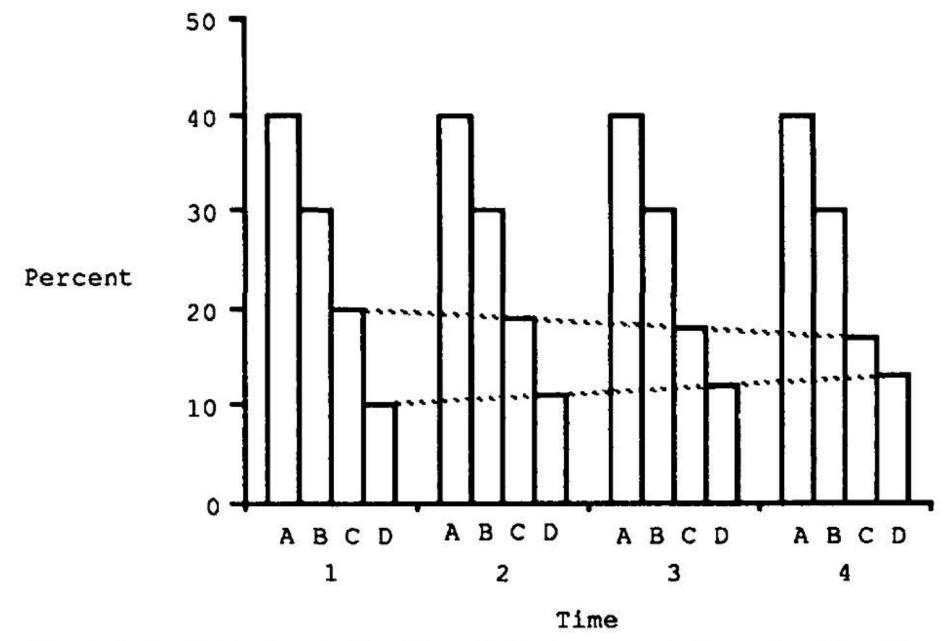


Figure 6. An illustration of virtual lines. Subjects may mentally construct lines like these when judging change with bar graphs.

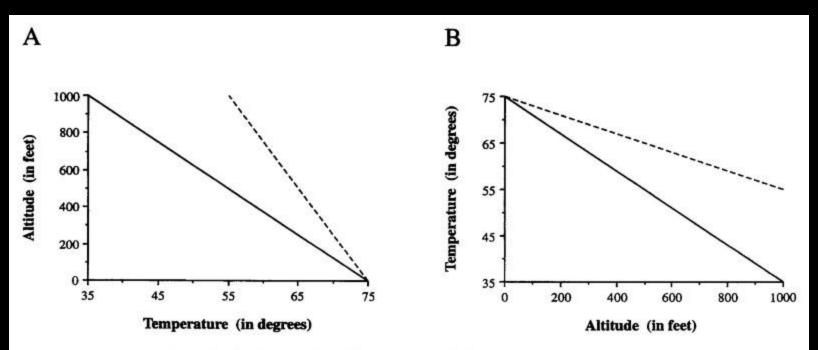
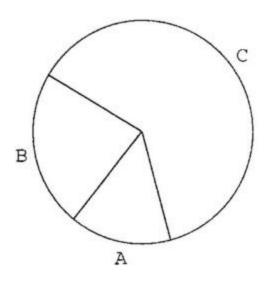
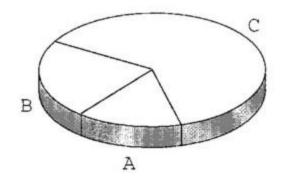
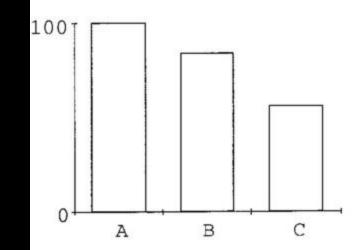
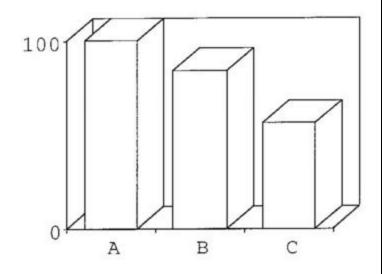


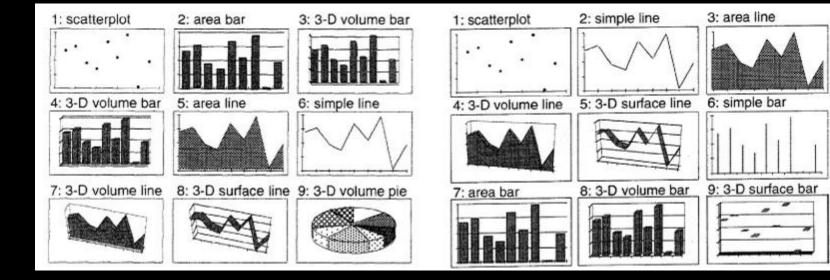
Figure 1. Graphs that violate (A) or conform with (B) the slope-mapping constraint.

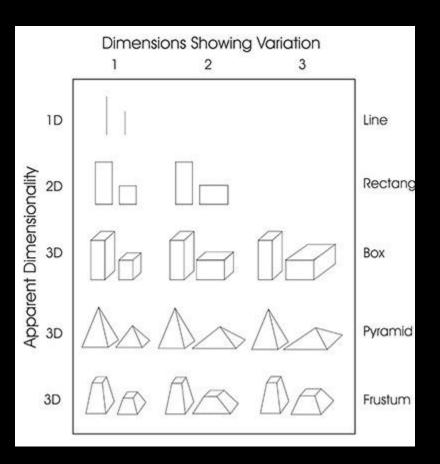












point cloud size

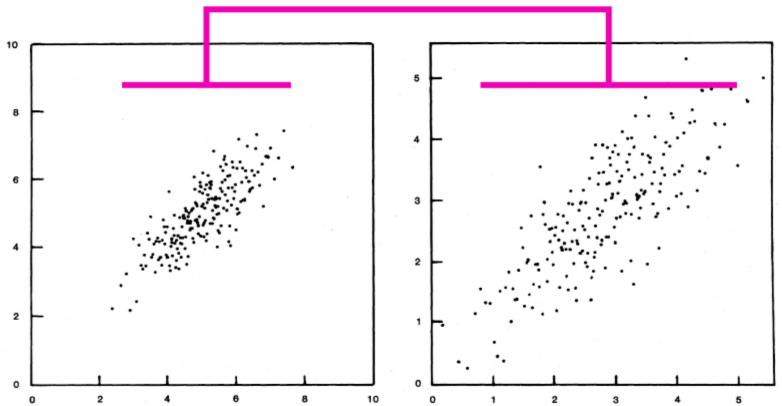
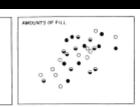


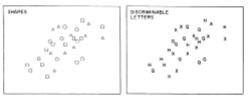
Fig. 1. Reductions of two scatterplots used in the three types of experiments. The left panel is point-cloud size 2 and the right panel is point-cloud size 4. In both panels w(r) = .4 and r = .8.



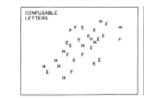




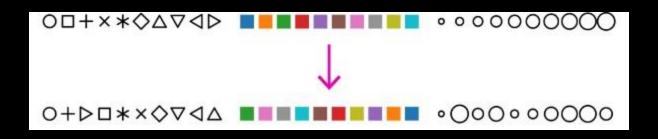
ok too





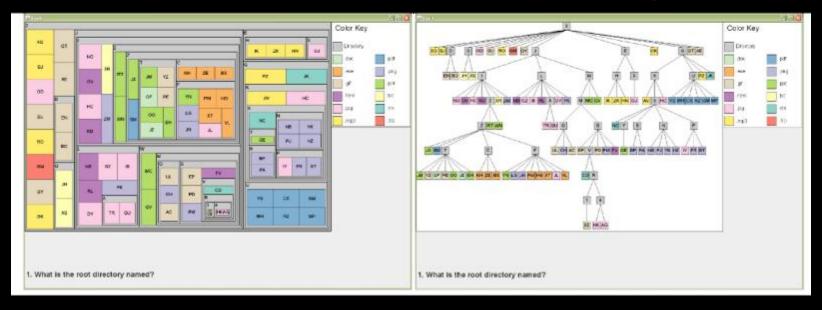


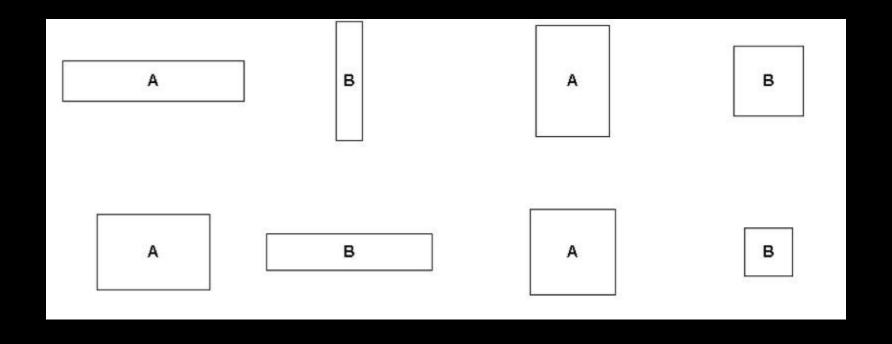


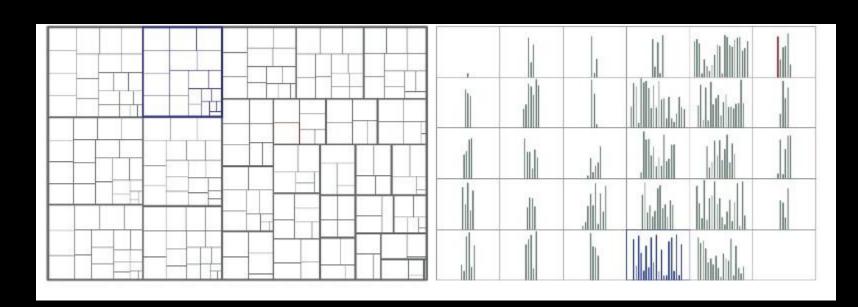


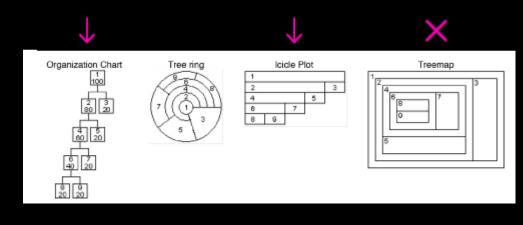
container-like

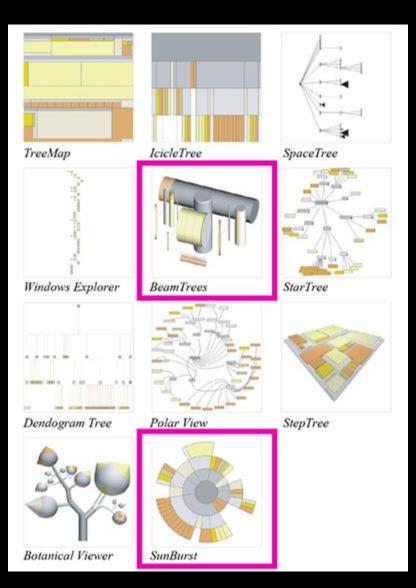
cascading

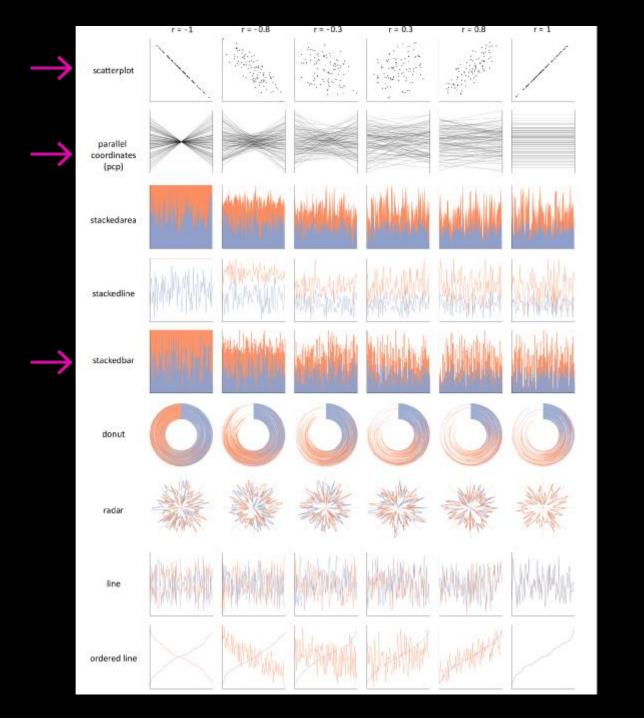












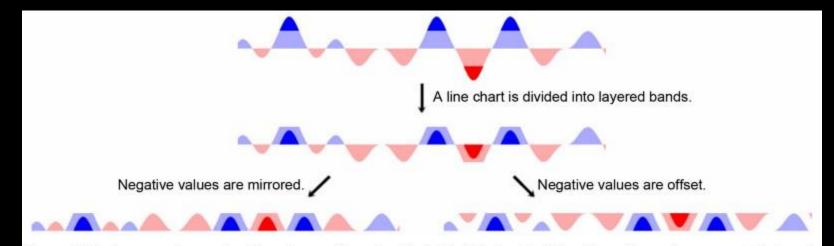


Figure 2. Horizon graph construction. A normal line chart is divided into bands defined by uniform value ranges. The bands are then layered to reduce the chart height. Negative values can be mirrored or offset into the same space as positive values.

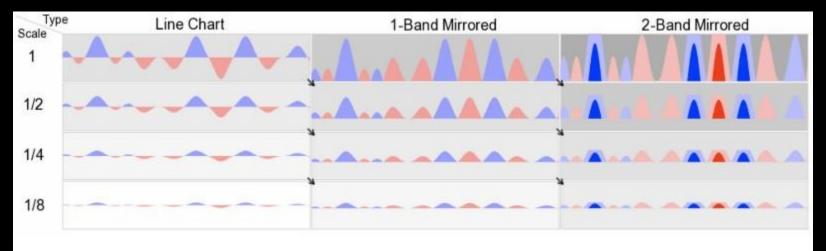
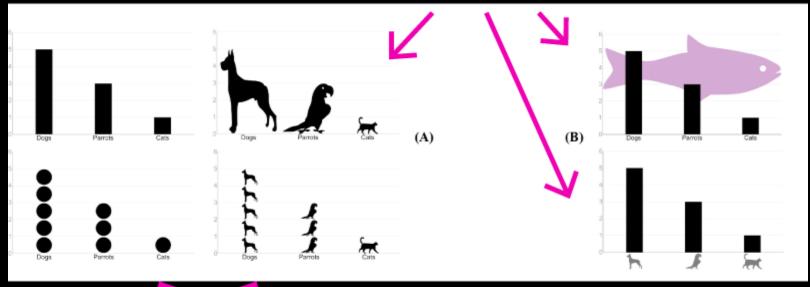
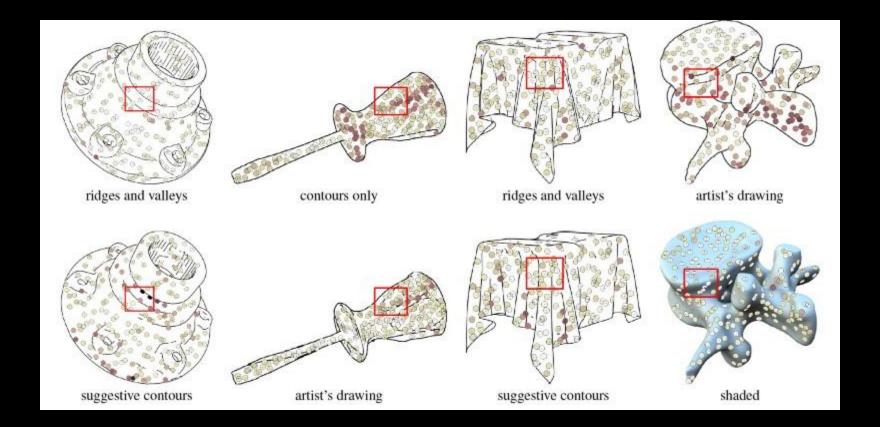


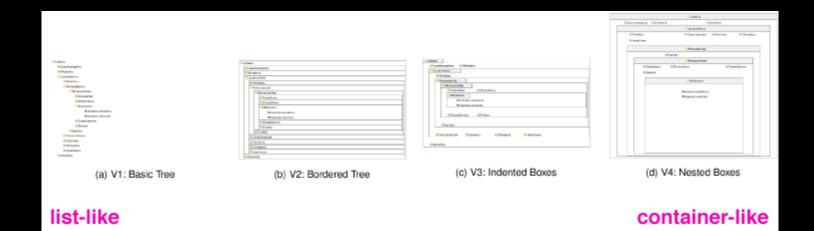
Figure 7. Chart Type and Scale Conditions in Experiment 2. We crossed 3 chart types and 4 chart heights. The diagonally adjacent cells indicated by arrows and shading have the same *virtual resolution*: the un-mirrored, un-layered size of the chart.

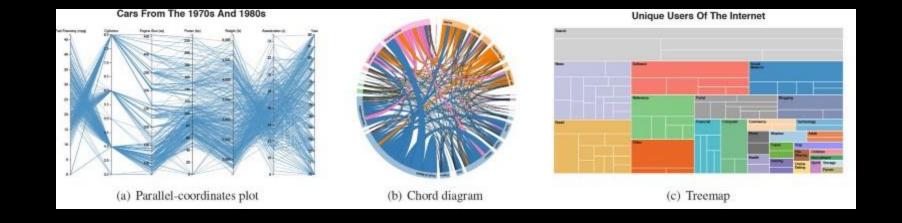
not this

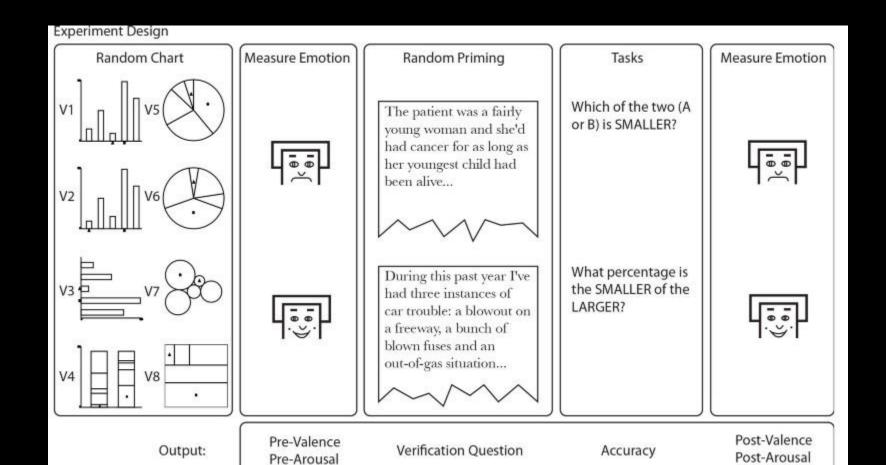


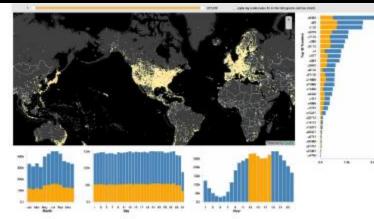
た カ do this



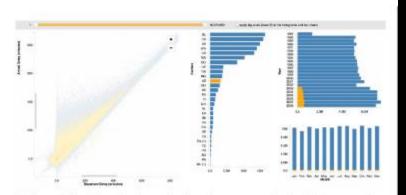








(a) Five coordinated visualizations showing geographical and temporal distribution of user checkins and top users.



(b) Four linked visualizations showing departure and arrival delays, carriers, yearly and monthly distribution of flights.

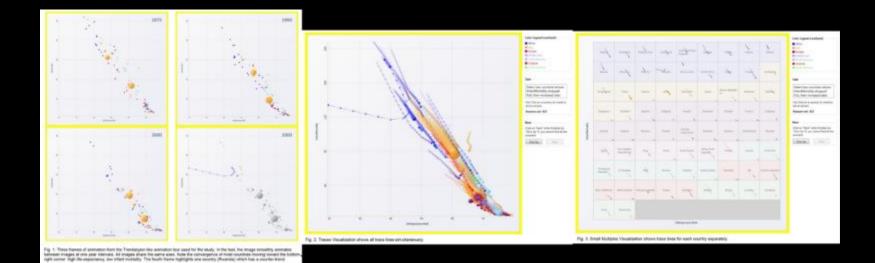




Figure 4: Category sets ordered by mean colorability rating. Ratings are shown in parentheses. Column A contains colors selected by our algorithm; Column T contains the Turker-chosen colors with highest overlap.

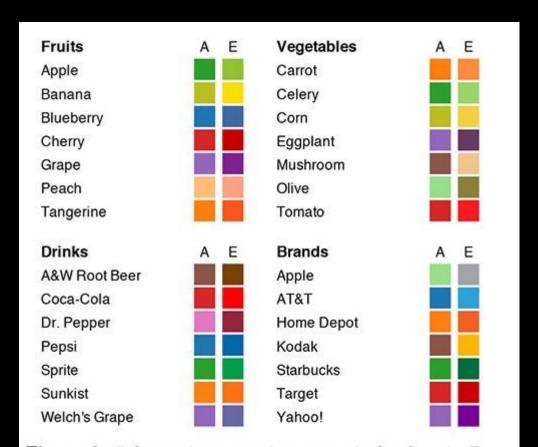


Figure 6: Color assignments for categorical values in Experiment 1. (A = Algorithm, E = Expert)