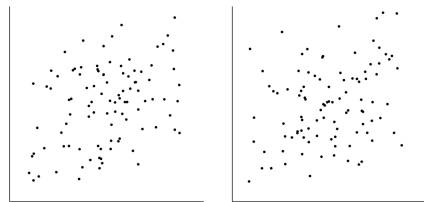
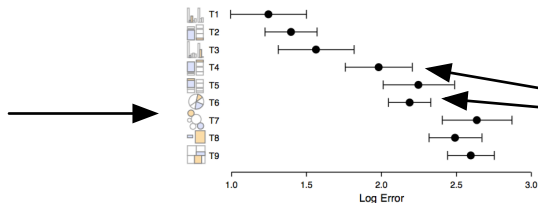


Of the marked slices, what percentage is the smaller of the larger?

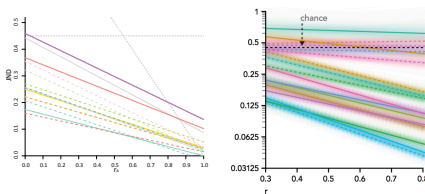


Which scatterplot appears more correlated? *

A Graphical Perception Tasks



Average comparison error for common chart types



Ranking of visualization types for correlation judgment

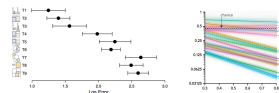
B Current Framework: Evaluating Visualizations



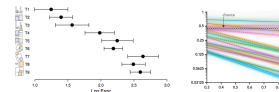
"Stacked bar charts outperform pie charts."



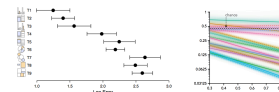
D₁



D₂



D₃



"Stacked bar charts perform better, but not for all members of my audience."



C

Proposed Framework: Modeling Individual Performance