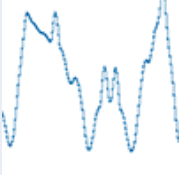
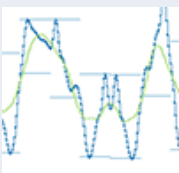
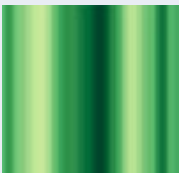




		Isolation Statistics		Combination Statistics	
		Extrema	Range	Mean	Deviation
Line Height		87.5%	74.2%	47.7%	48.8%
		88.7%	94.8%	56.3%	39.7%
Color		59.4%	48.8%	60.5%	57.8%
		43.0%	38.7%	77.7%	71.3%



Highest Accuracy

Lowest Accuracy

**Figure:** We tested how color and line height support ensemble processing of four different visual statistics. For ensemble processing of color gradients, performance was best for statistics requiring the combination of information across values, such as recovering mean and deviation. In contrast, for ensemble processing of line height, performance was best for statistics requiring isolation of unique elements across values, such as recovering extrema and range. We replicated these results using modified versions of each representation in typical data analysis tasks: a line graph that included explicit information about judged properties and a color gradient that was randomized within ‘months’ to facilitate ensemble processing of each month.