Measuring Targeting

Development and Deployment of a Novel Instrument for Decision Making Under Variability



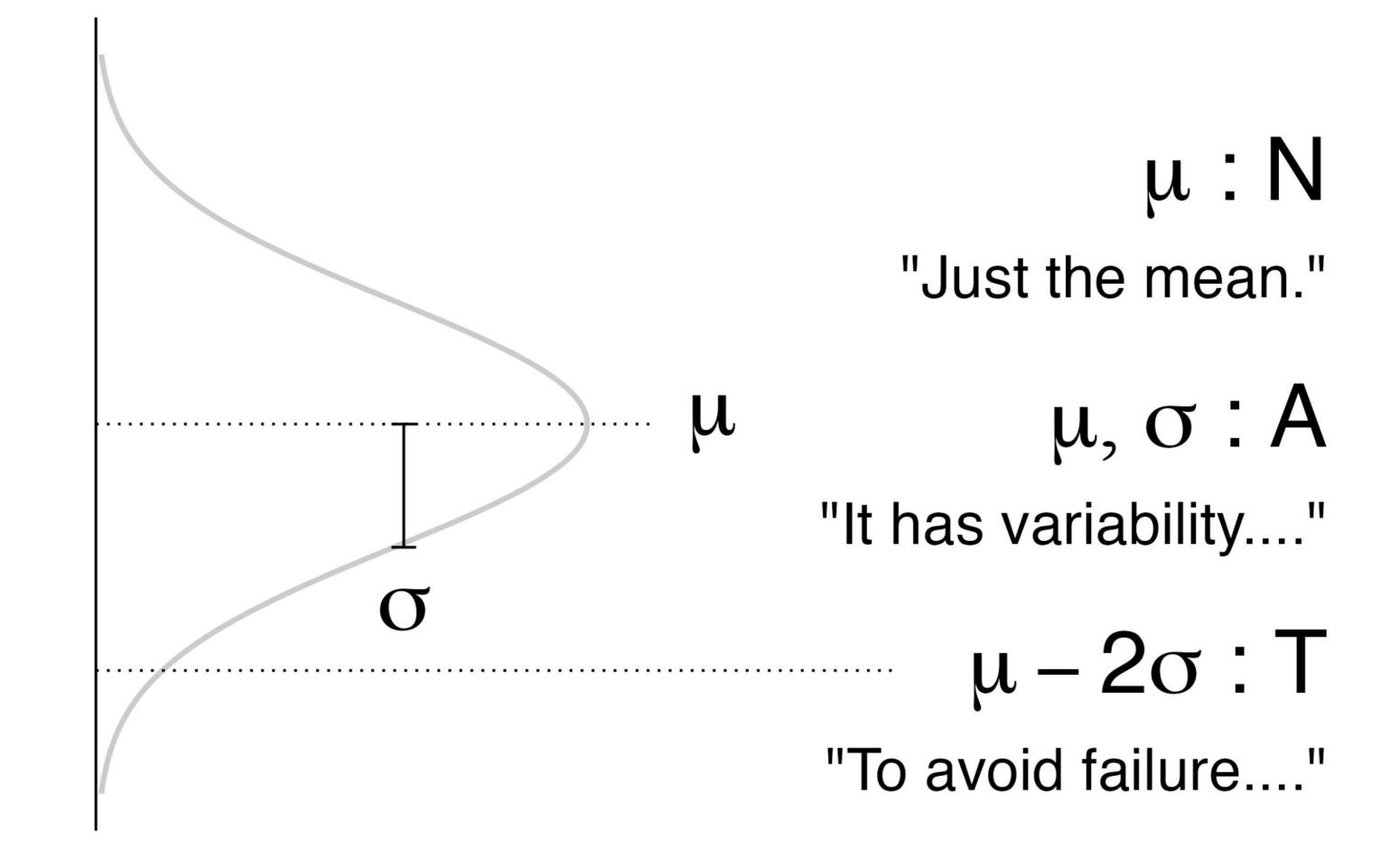
Zachary del Rosario

Variability is important but sometimes neglected in engineering. An example...



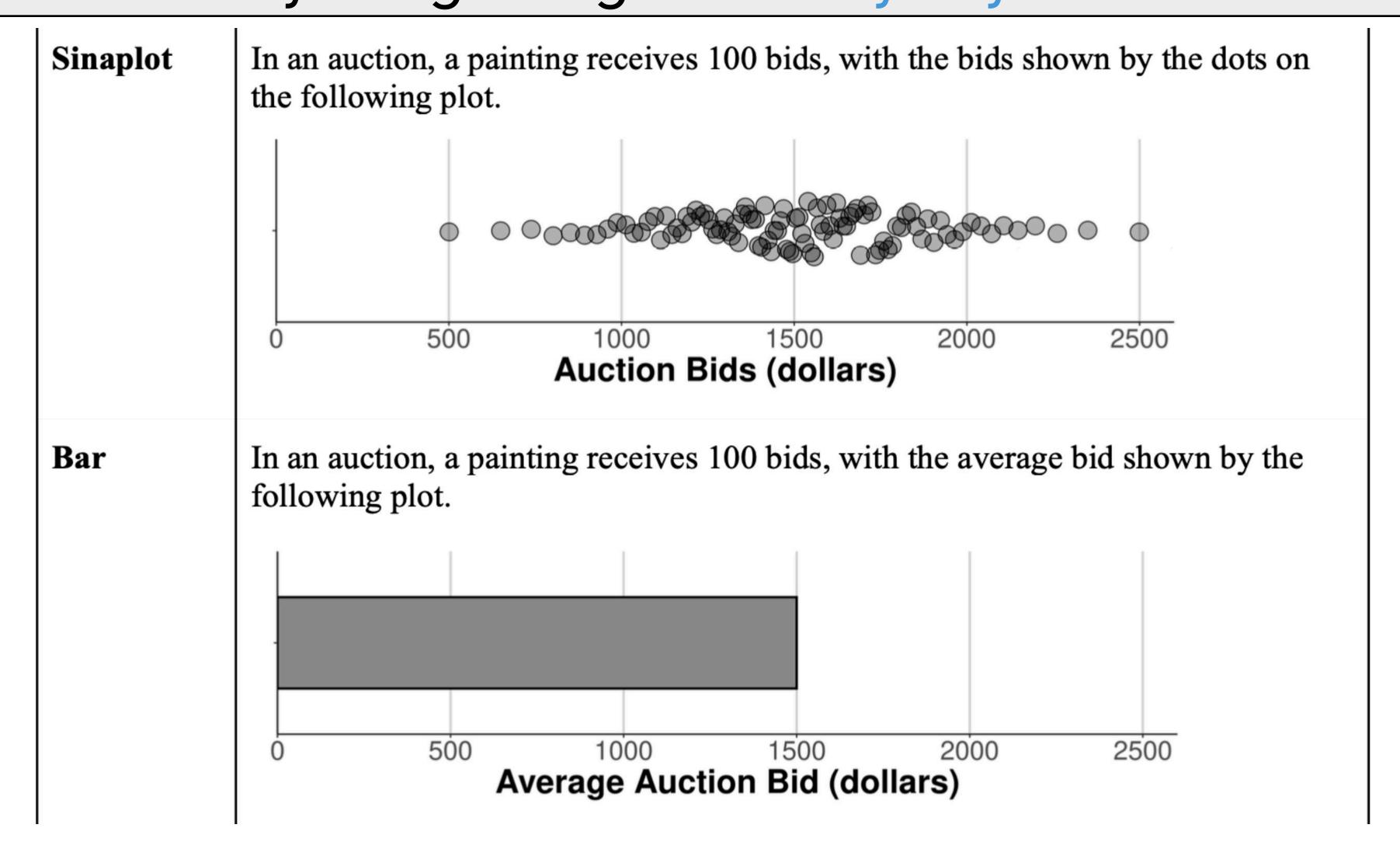
Planes designed for the "average man" were unsafe, as they *neglected* human variability.

Neglected, Acknowledged, or Targeted relates data analysis choices to the consequences of variability.



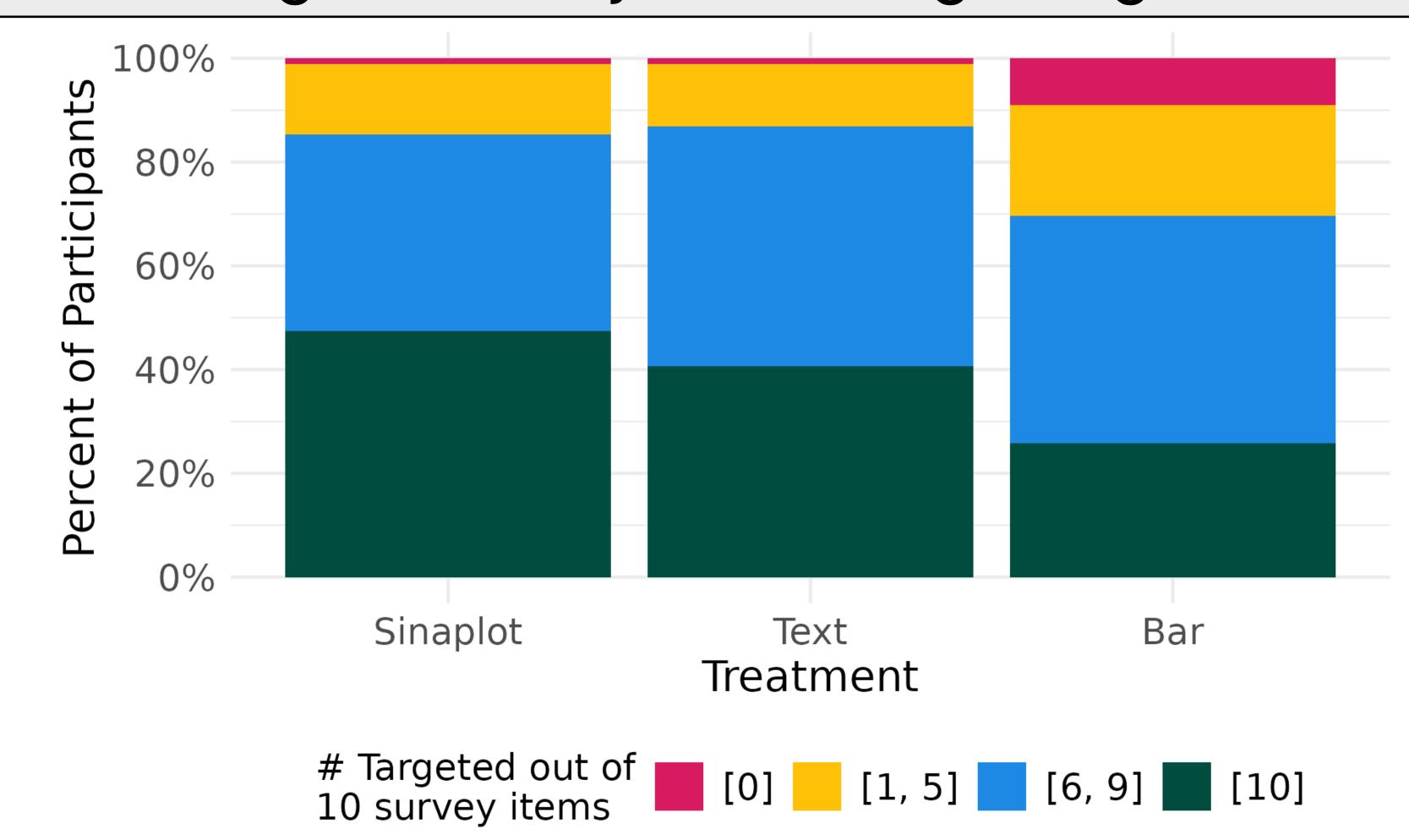
Our questions: How common is targeting? What factors influence targeting?

Approach: A survey instrument to measure variability targeting in everyday scenarios



Prompt: "Guess the bid that would guarantee you win the painting, without paying too much." practices inhibit targeting?

A large majority of U.S. adults [78%, 92%] target variability by default. Bar charts lead to significantly less targeting.



Next question: What engineering

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