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Topic: Distributions

Distributions: graphs that tell us about some characteristic of a population.

- Tells about shape and spread of data
- Normal distribution → mean, median, and mode the same. Symmetric and unimodal.
 - Empirical rule:
 - 68% of data within 1 standard deviation from mean
 - 95% of data within 2 standard deviations from mean
 - 99.7% of data within 3 standard deviations from mean
- Standard deviation → average distance between points and the mean
- Bimodal or multimodal → multiple modes
- Uniform distribution → same chance for each value (flat)