Coincidence and Uncertainty in Daily Life

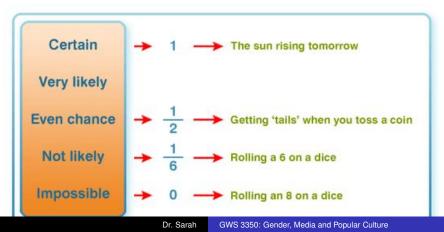
- many events in our daily lives arise in terms of probabilities and statistics—even the basic interactions of molecules and subatomic particles
- we can use probability to move beyond a vague sense of disordered randomness and describe possible outcomes



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Probability

- quantitative measure of the likelihood of an event
- mathematical foundation of common sense and good judgment
- 0 to 1 (or 0% to 100%)



Law of Large Numbers

- small number of experiments can have random fluctuations
- repeat an experiment a large number of times: outcome tends to a probability with much greater certainty

