

# Chapter 11. The role of chance

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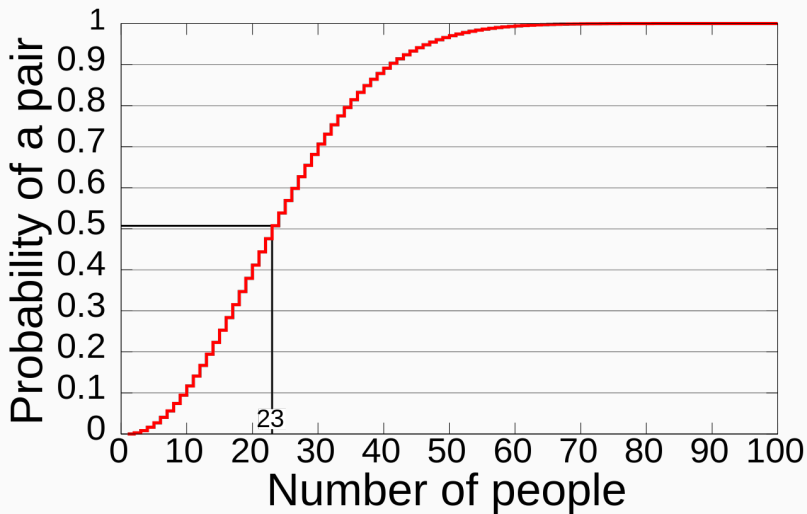
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- **Birth problem:** In a class of 23 people, what is the probability that 2 of them will have their birthday on the same day? What is the probability in a class of 35 people?

## Birth problem





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- Statistics don't apply to the single case.
- **Clinical or case prediction** claim to be able to go beyond group predictions and to make accurate predictions of the outcomes of particular individuals.

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- Subjects are often paid money for correct predictions.
- The experimenter has actually programmed the lights to flash randomly, with the provision that the red light will flash 70 percent of the time and the blue light 30 percent of the time.



Questions?