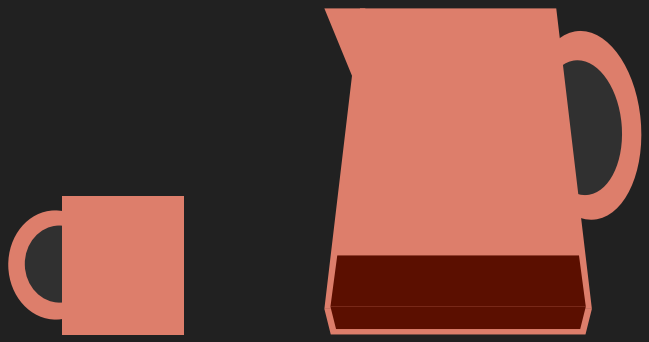
Probability distributions

Probability is like a pot with just one cup of coffee left in it.

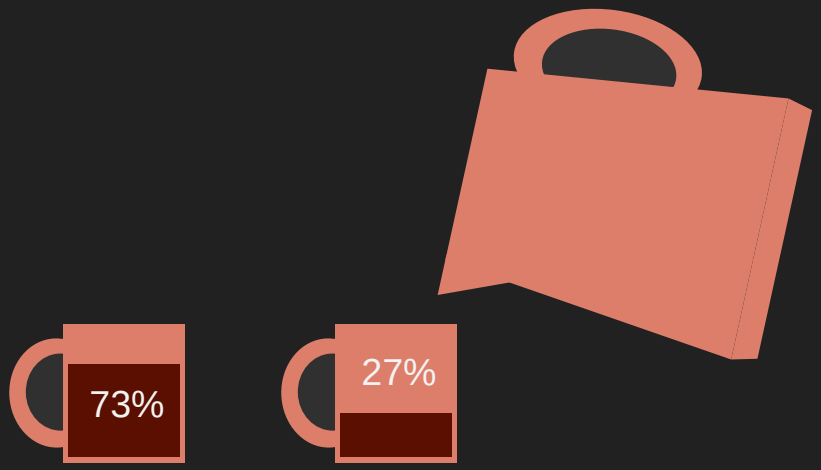


Probability distributions

If you only have one cup, you can fill it completely.

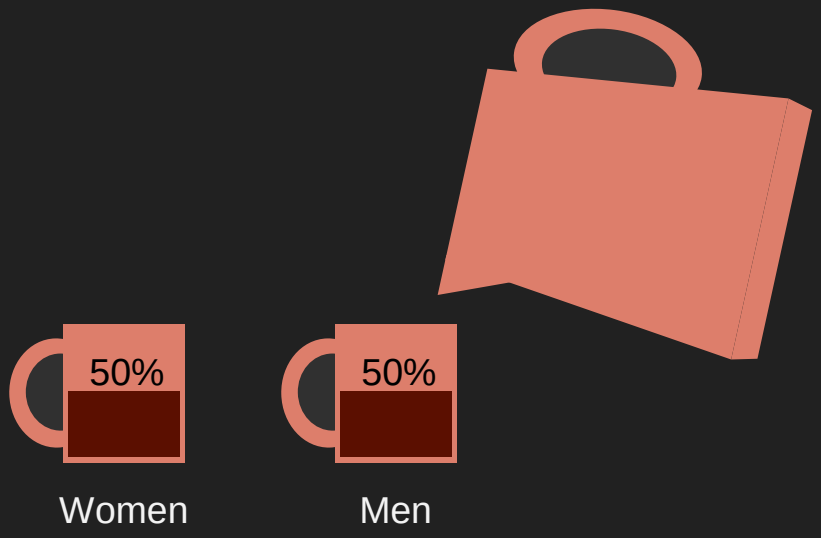
Probability distributions

If you have two cups, you have to decide how to share (distribute) it.



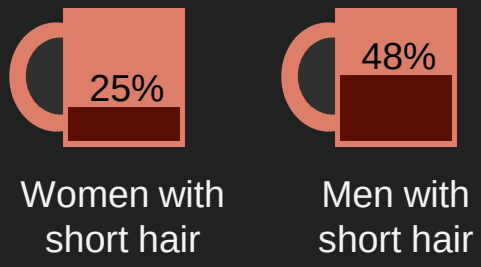
Probability distributions

Our people are distributed between two groups, women and men.

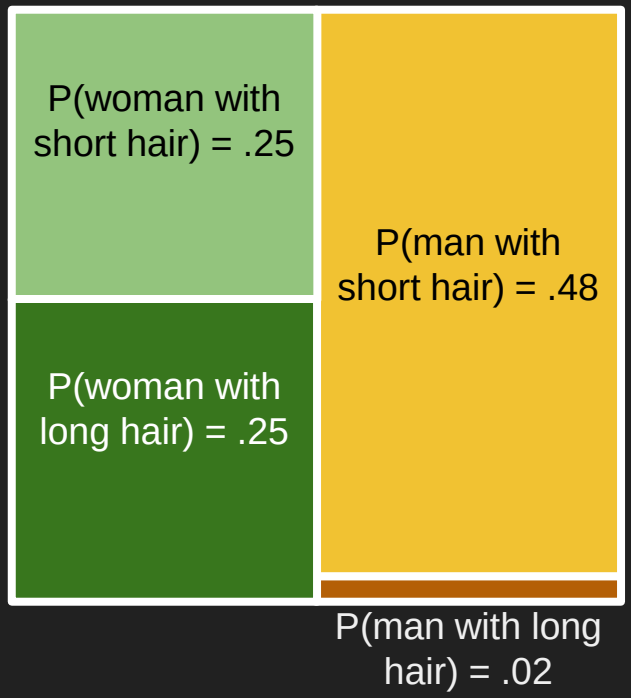


Probability distributions

We can distribute them more.



Probability distributions



Probability distributions

Women with short hair

Women with long hair

Men with short hair

Men with long hair

Probability distributions

Women with short hair

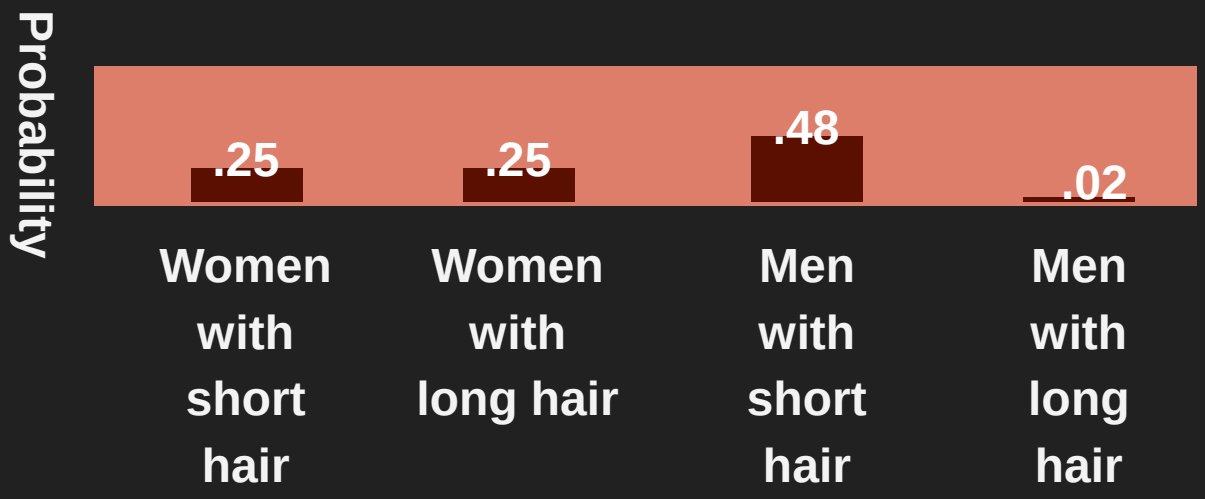
Women with long hair

Men with short hair

Men with long hair

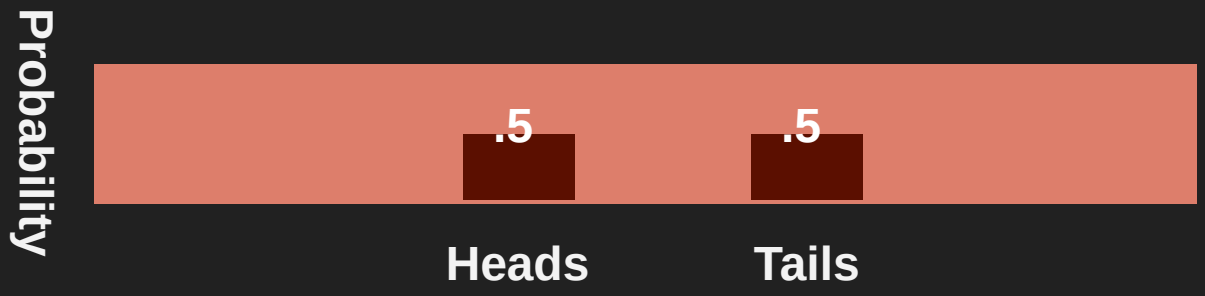
Probability distributions

It’s helpful to think of probabilities as beliefs



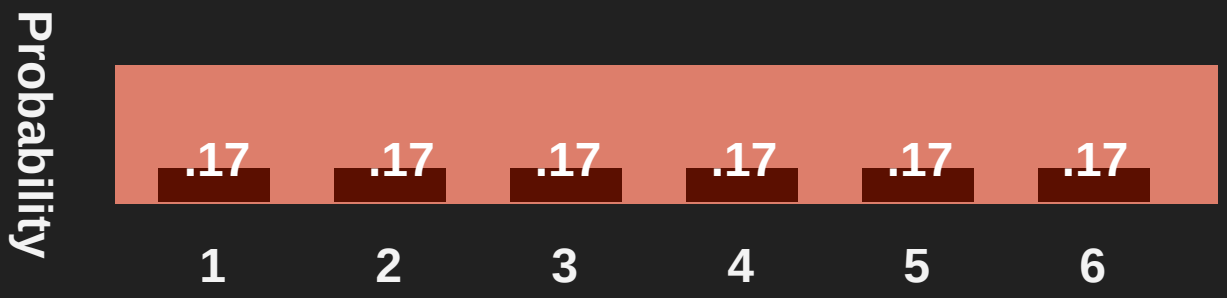
Probability distributions

Flipping a fair coin



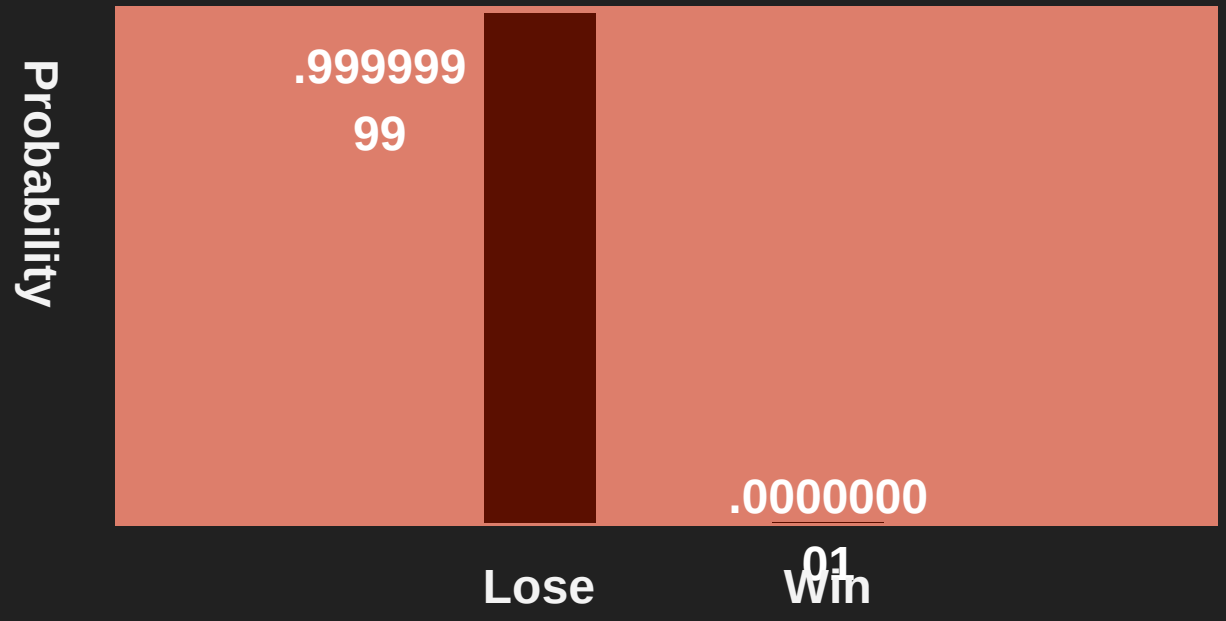
Probability distributions

Rolling a fair die



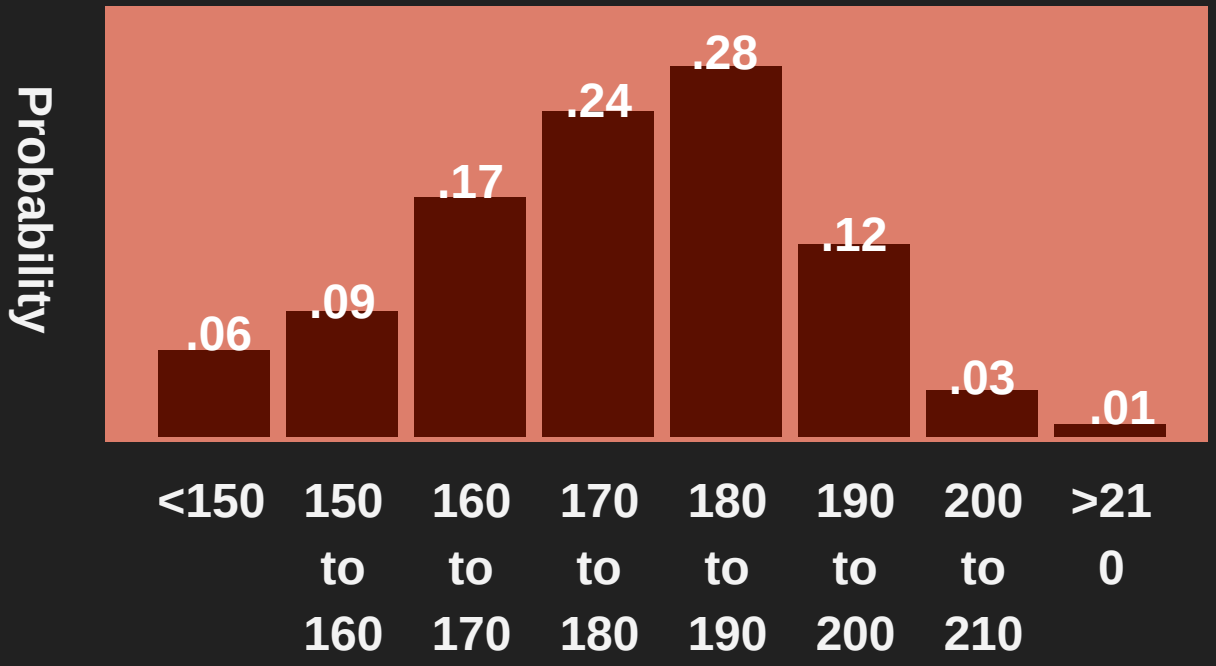
Probability distributions

Playing for the Powerball jackpot



Probability distributions

Height of adults in cm



Probability distributions

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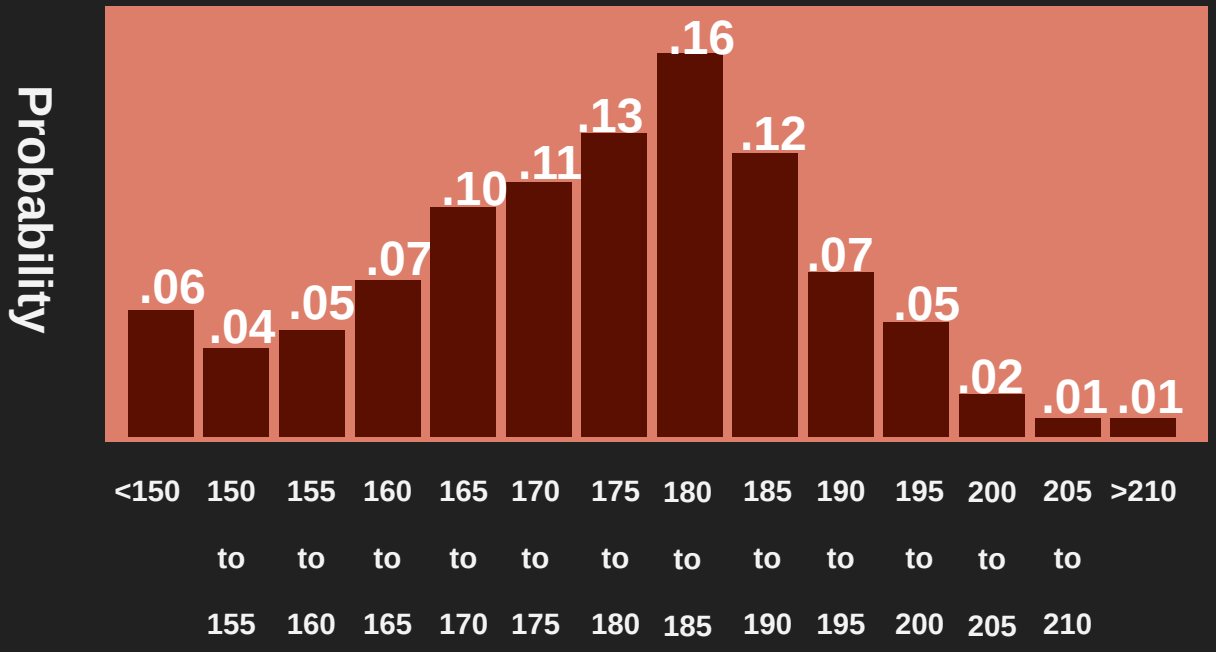

Probability distributions

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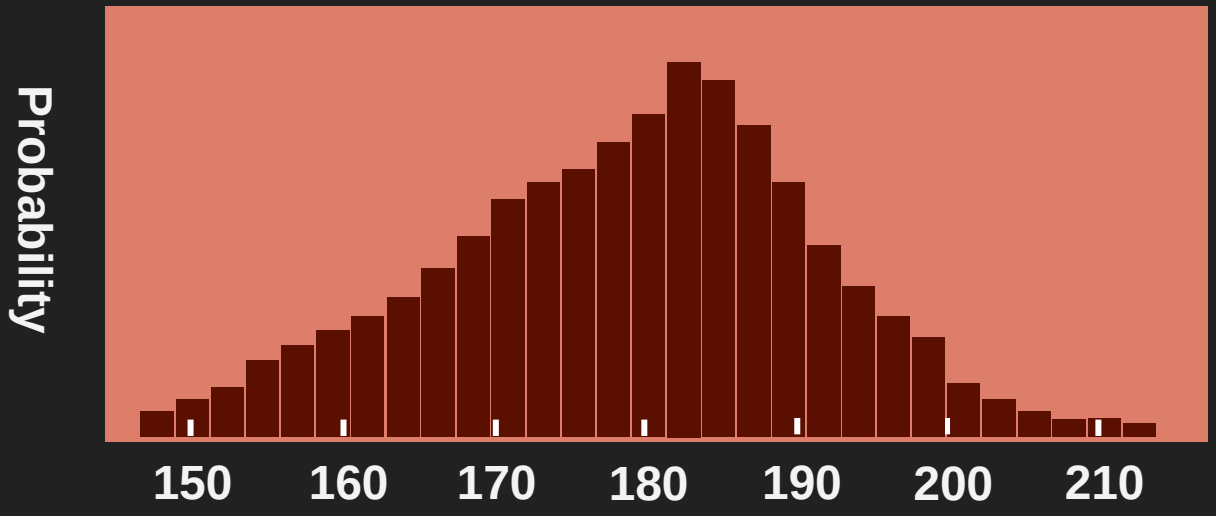
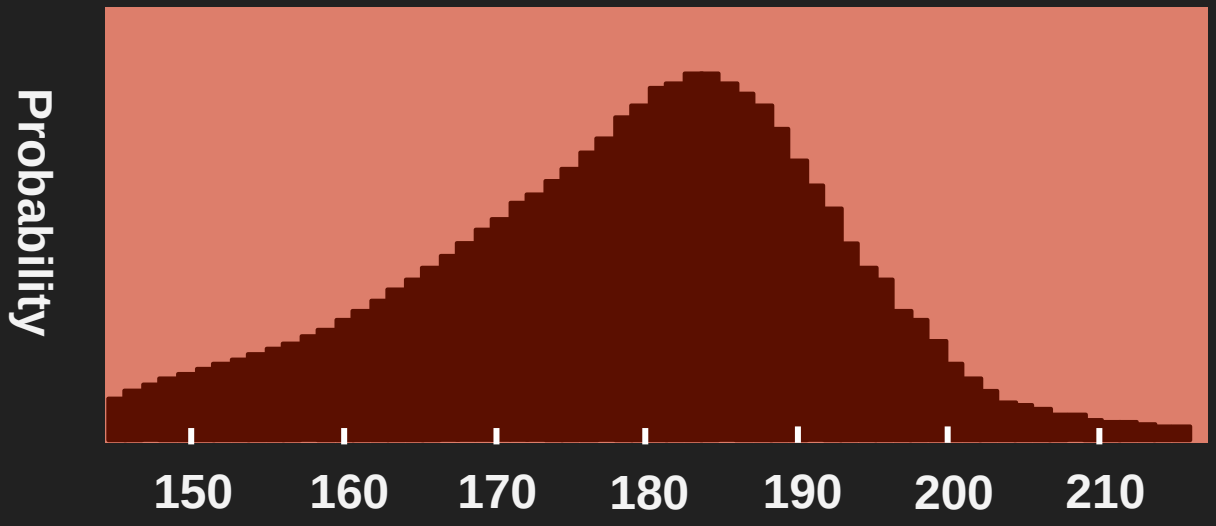


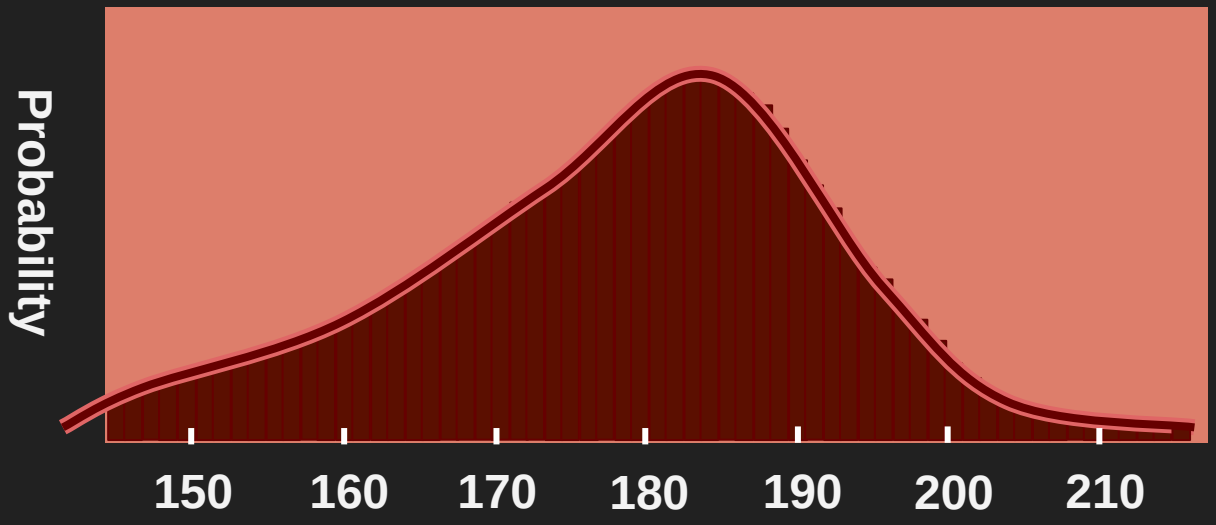
Probability distributions

Height of adults in cm



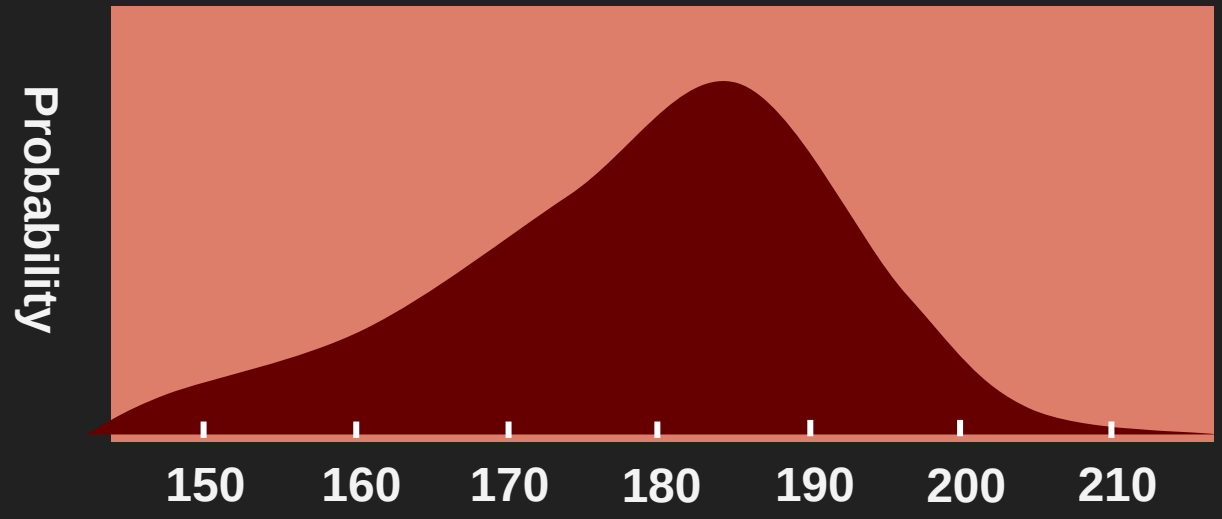
Probability distributions

Height of adults in cm



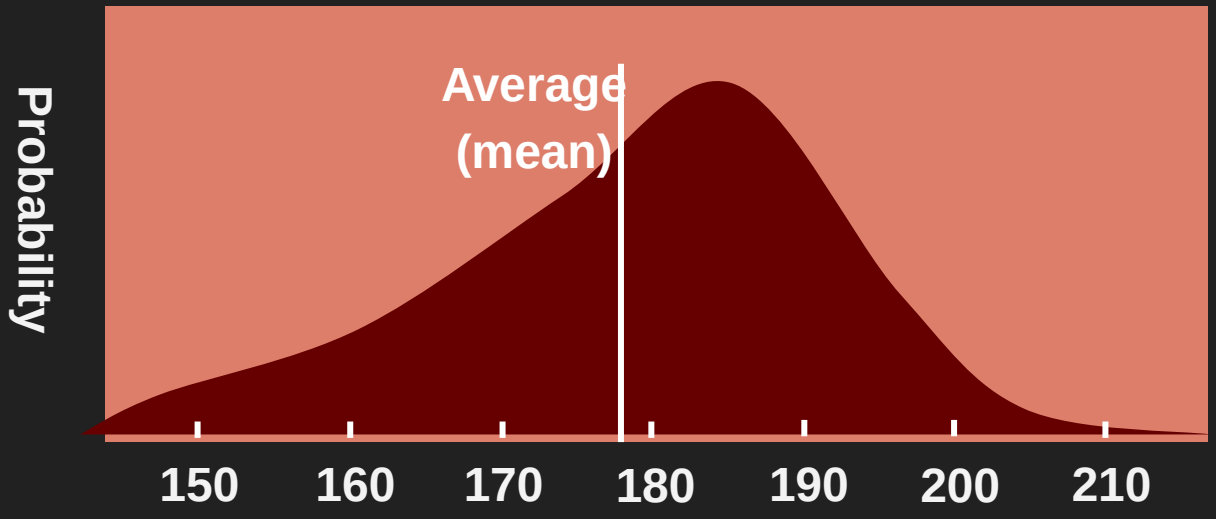
Probability distributions

Height of adults in cm



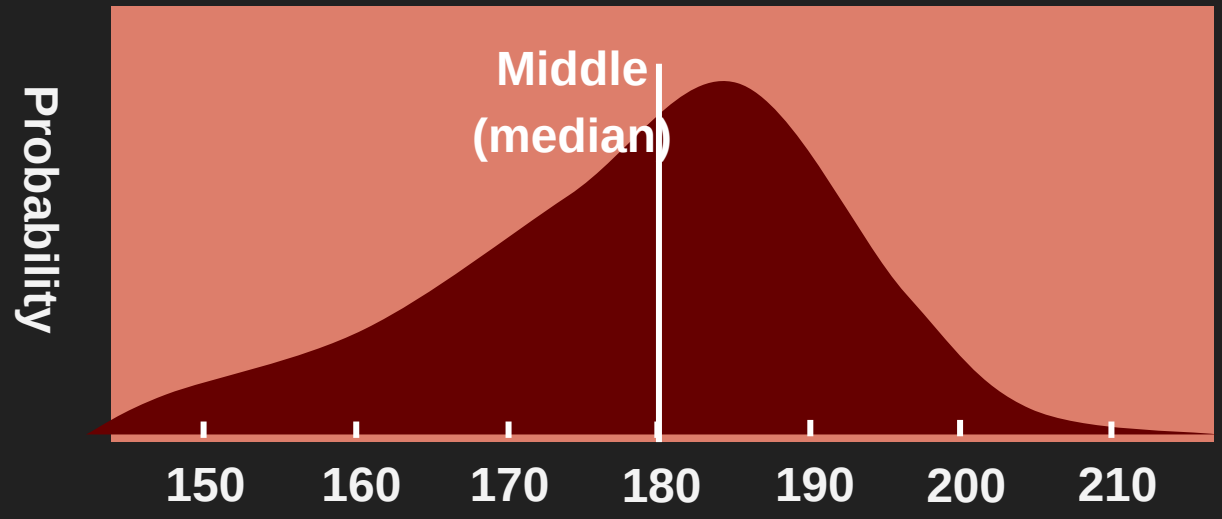
Probability distributions

Height of adults in cm



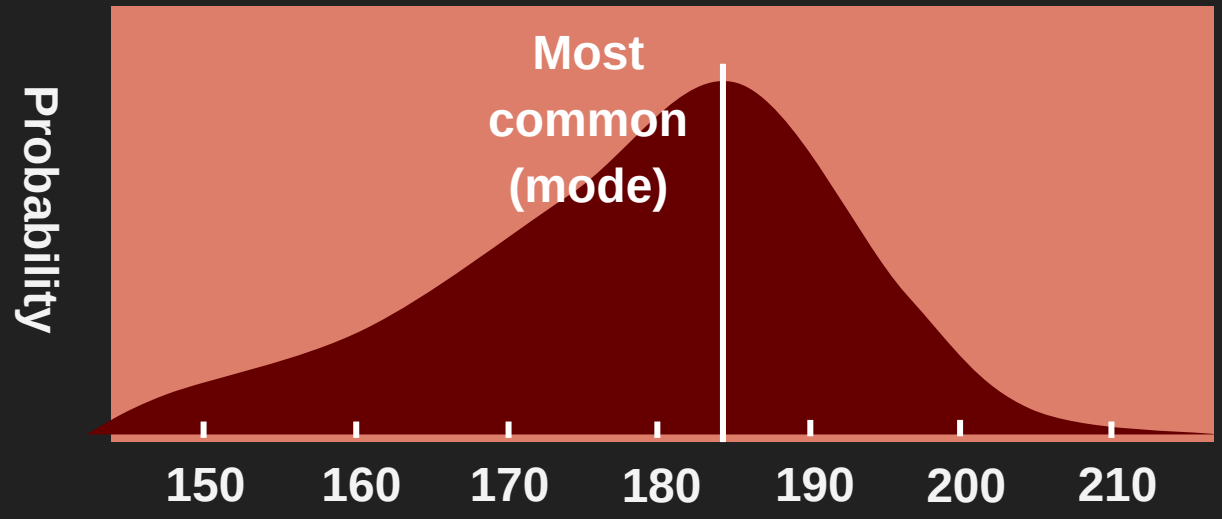
Probability distributions

Height of adults in cm



Probability distributions

Height of adults in cm



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