

man and his variables



random variable

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- Many random experiments have outcomes that are numerical

For example:

- number of people on a train
- the time a customer will spend in line at the post office
- the number of people voting for a candidate in a political election

- In random experiments with outcomes not numerical, we map outcomes to numerical values

For example:

- in a coin toss experiment : $H \rightarrow 1$ and $T \rightarrow 0$

A **random variable** associates a number with each outcome of a random experiment

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