

## Stats statements card printout

Half of the students taking a test score less than the average mark.	Nobody scores higher than the average mark in a test.
In a large population of animals, about half of the adult animals are heavier than the average adult weight.	Suppose that in a game you can only score an even number of points: 0, 2, 10 or 50. So, the average score over a series of games is an even number.
The standard deviation of a random process is not larger than the range of the observed data.	The standard deviation of a random process is not larger than half of the maximum theoretical range of the observed data.
The chance of observing an outcome more than three standard deviations from the mean is less than 1 in 100.	I repeat an experiment with a random numerical outcome many times. Eventually the average of my outcomes will be within 1% of the theoretical average outcome.
The chance of observing an outcome more than ten standard deviations from the mean is not more than 1%.	If two statistical processes are uncorrelated then they must be independent.