

The Language of Statistics

Random (in the context of random variable)	Cannot be predicted with certainty
Variable	Something which is able to take any of a range of values
Random Variable	A variable whose values cannot be predicted with certainty
Qualitative	Categorical
Quantitative	Numerical
Discrete / Discrete Variable	Individually separate and distinct / a variable whose values can be counted
Continuous / Continuous Variable	Forming an unbroken whole / A variable that must be measured
Class	A group of values of a random variable e.g. $10 \leq x < 15$
Class Width	The range of the class e.g. for $10 \leq x < 15$, the class width is 5.
Class Interval	The interval of the class e.g. $10 \leq x < 15$
Upper Class Boundary	The upper limit of the class e.g. for $10 \leq x < 15$, the upper class boundary is 15.
Lower Class Boundary	The lower limit of the class e.g. for $10 \leq x < 15$, the lower class boundary is 10.