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	Sample	
	A group that is less than the total population from which it is drawn.	
	STATISTIC	
	Symbol used to indicate the properties of a sample.	
	Statistics are expressed in Roman letters (M, S, r).	
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Example: Univariate Experiment					
Independent Variable	Dependent Variable				
Group A spends 20 minutes daily on a stationary bicycle for 15 days. Group B spends 20 minutes a day on a Stairmaster for 15 days.	Heart rate after exercising on day 15.				
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Research question: Which is better for cardiovascular fitness, 20 minutes on a stationary bicycle or 20 minutes on a stair climbing machine? Independent Variable Dependent Variable Group A spends 20 minutes daily on a stationary bicycle for 15 days. Heart rate after exercising on day 15. Group B spends 20 minutes a day on a Statirmaster for 15 days. Keep content of the state of the s	Example: Multivariate Experiment			
Independent VariableDependent VariableGroup A spends 20 minutes daily on a stationary bicycle for 15 days. Group B spends 20 minutes a day on a Stairmaster for 15 days.Heart rate after exercising on day 15. Carotid blood flow after exercising on day 15. Knee joint distance after day 15.	Research question: Which is better for cardiovascular fitness, 20 minutes on a stationary bicycle or 20 minutes on a stair climbing machine?			
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