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Scientific Terms:

The following is a list of terms related to the scientific method.

1. Experimenter Bias *Creates and perform an experiment w/ bias / non neutral*
2. Observer Bias *observing behaviour w/ bias / flawed details of*
3. Double Blind *the participant & observer are blind to purpose behaviour*
4. Single Blind *the participants are blind to the purpose of the experiment*
5. Selection Bias *Selected participants w/ a bias / purpose.*
6. Random Assignment
7. Population *total # of people available to be participants*
8. Representative Sample
9. Random Sample
10. Dependent Variable
11. Independent Variable
12. Confound
13. Reliability *you can trust and count on experiment results.*
14. Validity *whether you used the proper, most appropriate research valid method or not valid results.*
15. Correlation *direct relationship b/w variables.*
16. Causation *relationship between cause + effect variable is not direct*


Strongest experiment

causes confusion

misdirection

Selection Bias

Experimenter Bias



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The diagram is a hand-drawn conceptual map on a white background. At the top center, there are several small blue and red human figures. Below them, the text 'independent of the environment (the manipulation)' is written in red. To the right, 'behaviour dependant on the manipulation = after results' is written in red. In the center, a blue oval encircles the text 'manipulation + environment = resulting behaviour'. To the left of this oval is a box labeled 'Independent Variable' with a blue circle around the word 'Independent'. To the right is a box labeled 'Dependant Variable' with a blue circle around the word 'Dependant'. Below the central oval is a box labeled 'Confound'. At the bottom left, red text reads 'the interferences that affect the behaviour of a manipulation'. At the bottom right, two boxes are stacked vertically: 'Correlating Influence' and 'Causal Influence'. The number '3' is in the bottom right corner.

independent of the environment (the manipulation)

behaviour dependant on the manipulation = after results

Independent Variable

manipulation + environment = resulting behaviour

Dependant Variable

Confound

the interferences that affect the behaviour of a manipulation

Correlating Influence

Causal Influence

3

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If the World Were a Village of 100 People...

61 Asians	1 South Pacific	3 US & Canadians	12 Europeans	
[61 icons]	[1 icon]	[3 icons]	[12 icons]	
[8 icons]			[14 icons]	
			[8 Latin Americans]	[14 Africans]

Representative Sample

Population

~~Random Sample~~