

Worksheet 7: Understanding variables

For each type of variable, decide whether the statement is true or false.

1 Independent variables

	True	False
Researchers manipulate the independent variable.		
A hypothesis outlines only the independent variable in a study.		
There can be more than one independent variable in an experiment.		
An independent variable cannot be operationalised.		

2 Dependent variables

	True	False
Researchers measure the dependent variable.		
Self-reports can be used as a way of measuring the dependent variable.		
Correlations have dependent variables.		
Dependent variable data is typically plotted on the y axis of a bar chart.		

3 Controlling variables

	True	False
Participant variables are things in the environment which affect the DV.		
Controlling variables can improve validity in a study.		
Pilot studies can identify uncontrolled variables.		
The location of a study is an example of a situational variable.		