

Experiment 1 Examining the effects of learning history on Behaviour

Objectives Design a specific history of interacting with the environment and then present stimuli in a test to see what happens.

Add a Visual Stimulus

Record changes in physiology

What colour?



And an Auditory Stimulus

Record changes in physiology

What colour?



Record changes in Verbal Behaviour Voluntary Behaviour?



What colour?

"BLACK"

Voluntary Behaviour?





What do cows drink?





Voluntary Behaviour?



Conclusion

"Voluntary Behaviour" is a term that is not very useful as a scientific category. Why?

Because it does not offer an explanation for behaviour. In fact, it creates the illusion of having explained something.



Conclusion

A more exhaustive explanation is found by looking at 1 Genetic make-up which determines the kinds of physiological changes that can occur.

2 The stimuli that defined the past interaction with the environment, which in turn controlled the kinds of physiological changes that took place.

3 The stimuli present in the current environment that interact with the effects of the history of physiological changes.

Implications

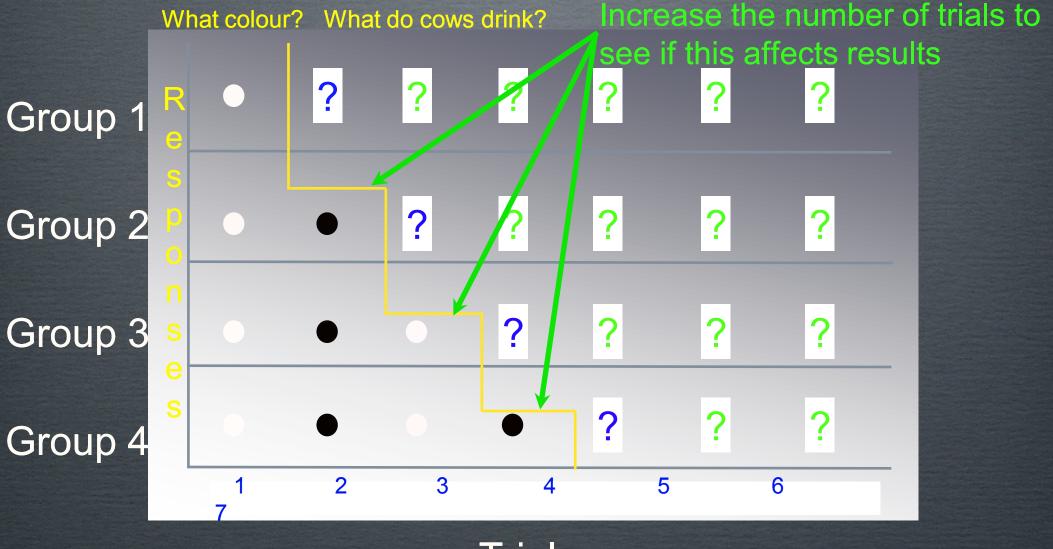
What might be concluded if you don't know the history?



Current Observation

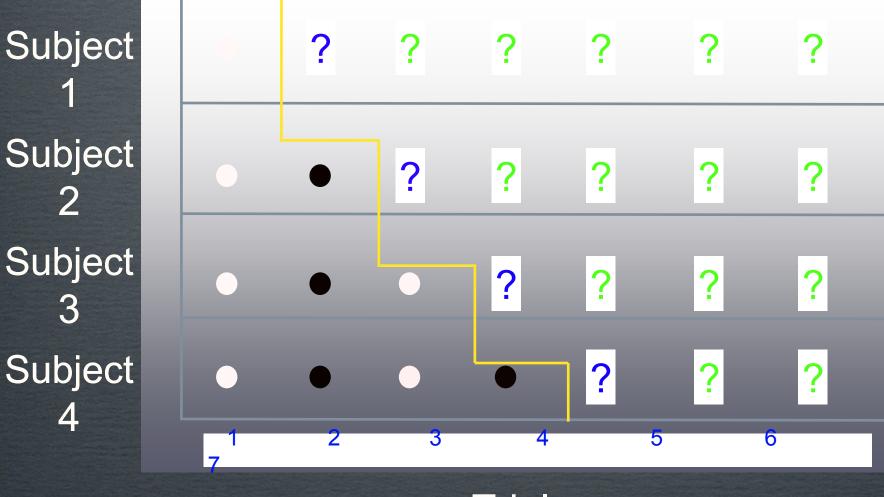
You see someone say "MILK" when asked what cows drinkimply 'incorrect' They are 'stupid' They are behaving 'abnormally'

a better demonstration of control!



Trials

a better demonstration of control!



Trials

We added a Visual Stimulus

Recorded changes in behaviour

Experiment 2 Examining the effects of learning history on Behaviour

What would happen if we changed the colour of the stimulus?

Record changes in behaviour again



Add a Stimulus

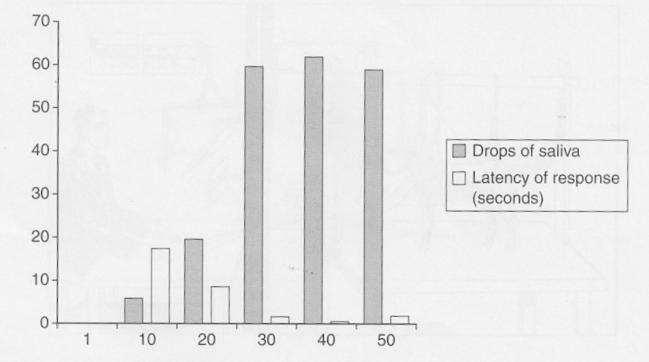


Figure 3.2 Data from Anrep's (1920) experiment: acquisition of a conditioned salivary response to a tone (see text for details of this experiment)

Record changes in physiology

Implications

Biological System

History





Current Observation Reflexive & Voluntary behaviours can be studied by learning how to control being this is at the heart of the science of behaviour analysis.

Implications

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