

Schedule

- 1. Homework assignment
- 2. Associative learning
 - classical conditioning
 - operant conditiong
- 3. Types of reinforcement and punishment
 - positive vs negative, reinforcement vs punishment
- 4. Reinforcement schedule
 - fixed vs variable, ratio vs interval

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Group Assignment Instruction

- 1. Please complete the following assignment with your group project members.
- 2. Please hand in the assignment (PRINTED COPY) in Week 7 Tutorial.
- 3. The total mark of the group assignment will contribute 20% of your final grade.
- 15% will be given to those showing application value while 5% additional will be given to those with creative ideas.
- 5. Maximum in <u>TWO A4 pages</u> (excluding this Instruction page).
- 6. Late submission will not be marked.

- The aim of the assignment is to encourage you to apply what you have learnt in the lecture to your daily life.
- 2. Try to think of examples in your daily life to explain the following concepts / theories. Do not use the examples quoted in the lecture or tutorial. You can illustrate your examples by using figures and text description.

Learning Defined

 relatively permanent change in an behavior due to experience

e.g. social, work, emotion

Associative Learning

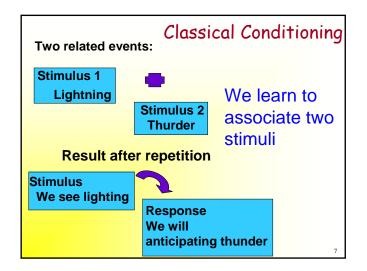
Learning that two events occur together

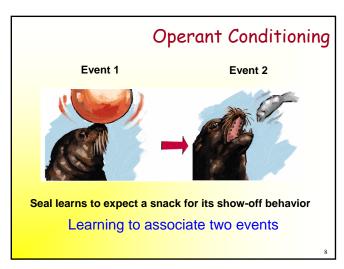
- either two stimuli
- or a response and its consequences

Two Kinds of Associative Learning

- 1. Classical Conditioning
- 2. Operant Conditioning

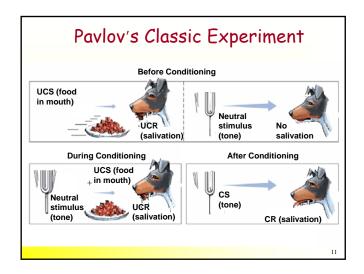
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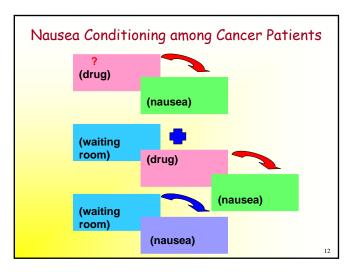


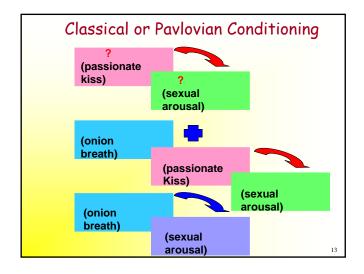












Classical or Pavlovian Conditioning

- 1. Unconditioned Stimulus (UCS)
 - -stimulus that automatically triggers a response
- 2. Unconditioned Response (UCR)
 - <u>– unlearned</u>, automatic response to the unconditioned stimulus
 - salivation when food is in the mouth

Classical or Pavlovian Conditioning

the initial stage of learning,

Classical or Pavlovian Conditioning

1. Conditioned Stimulus (CS)

 an originally neutral stimulus that becomes associated with an UCS and therefore triggers a conditioned response

2. Conditioned Response (CR)

 learned response to a previously neutral conditioned stimulus

1. Acquisition

phobia)

during which a response is established and gradually strengthened (smoking, drug, video game, gambling, hen

Classical or Pavlovian Conditioning

an extinguished conditioned

- reappearance, after a rest period, of

Classical or Pavlovian Conditioning

2. Extinction

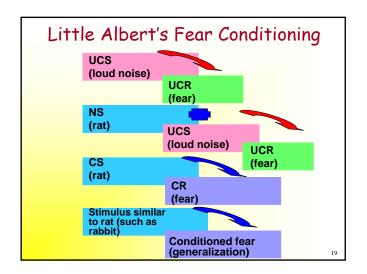
- diminishing a conditioned response
- occurs when an unconditioned stimulus does not follow a conditioned stimulus

4. Generalization

response

3. Spontaneous recovery

– tendency for stimuli similar to the conditioned stimulus to evoke similar responses



Operant Conditioning Behavior → Consequence (???) (???) (???) Application: 「操作過程 (operant procedure) 對兒童及青少年來說是有效的治療策略,包括社會增強 (social reinforcement)、活動增強 (activities as

reinforcement)、代幣增強 (token reinforcement)、團

體偶發事作、物質增強 (material reinforcement)

Types of Reinforcement and Punishment		
Туре	Definition	Effect
Positive reinforce-ment	Delivery of a <u>pleasant stimulus</u> that follows a behavioral response	↑ the behavior
Negative reinforce-ment	Removal of an <u>unpleasant</u> <u>stimulus</u> after a behavior response	↑ the behavior
Positive Punish- ment	Presentation of an unpleasant stimulus after a behavioral response	↓ the behavior
Negative Punish- ment	Removal of an unpleasant stimulus after a behavioral response	↓ the behavior ₂₁

Activity- 4 kinds of reinforcement
Determine which kind of reinforcement or
punishment is exercised to the following
behaviour?

組員每節出席小組活動皆可獲發3張貼紙
(_____)。唯每次違反小組守則或破壞小組
秩序,則會收到1個口頭警告(_____),並記
錄在黑板上,當收到3個警告後,則該節最多
只能取得1張貼紙(______)。若組員再次積極
投入參與小組活動,幫助組員,就能減去黑
板上的1個警告(_____)。

Operant Conditioning— Schedules of Reinforcement



- 1. Fixed ratio schedule
- 2. Variable ratio schedule
- 3. Fixed interval schedule
- 4. Variable interval schedule

Activity - 4 kinds of reinforcement schedules

Determine which kind of reinforcement schedules is applied to the following behaviour?

- 1. 每月我太太會給外母\$500
- 2. 每次我探望外母,都會給她\$500
- 3. 每次探望外母時, 我會視乎自己經濟情況而給 她零用錢多少, 有時\$500, 有時800, 有時\$1000, 有時\$0
- 4. 某公司不定期會發放花紅給員工

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