

Law of Effect

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- **Behavior** resulting in pleasant consequence **strengthened**/ Increases in frequency
- **Behavior** resulting in **no consequence** is weakened/ decreases in frequency
- **Behavior** resulting in **unpleasant consequence** weakened/ decreases in frequency more quickly*
- *Interpretation of consequence based on **cat's** perception, not ours!*

Operant Conditioning: Important Definitions

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- Reinforcement
 - ▣ Anything that **increases** the probability of the behavior occurring
- Punishment
 - ▣ Anything that **decreases** the probability of the behavior occurring
- Positive
 - ▣ **Add** something to situation
- Negative
 - ▣ **Take** something away from situation



Operant Conditioning: Important Definitions

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	Positive	Negative
Reinforcement	Food presented	Threat retreats
Punishment	Shout or throw something	Attention withdrawn

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Aversive Conditioning

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- Positive punishment
- Basic facts
 - ▣ Complex technique that is difficult to use and therefore often ineffective in practice
 - ▣ Poorly understood and overused
 - ▣ If effective, will work within 3-4 times
 - ▣ If taking longer than that, NOT WORKING
 - Probably being applied incorrectly
 - So let's try something else 😊

Aversive Conditioning

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- Side effects
- Inhibits learning, no longer offers behaviors
- Exacerbates many behavior problems
 - ▣ Fear
 - ▣ Aggression- Dangerous!
 - ▣ Conflict and anxiety related problems
- Unintended classically conditioned associations made
- Makes handler focus on bad behavior
 - ▣ Doesn't teach appropriate behavior
- Damages human- animal bond

Operant Conditioning

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- Steps for success with positive reinforcement:
 - ▣ Prompting and fading (free-shaping) or capturing (rewarding spontaneous behavior)
 - ▣ Shaping (successive approximation)
 - ▣ Continuous reinforcement (fast learning)
 - ▣ Discrimination training (put on cue/ command)
 - ▣ Over-learning (practice)
 - ▣ Intermittent reinforcement (persistent behavior)

Systematic Desensitization

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- Requirements:
 - ▣ Must be able to identify stimulus/ stimuli
 - ▣ Be able to reproduce stimulus
 - ▣ Control stimulus intensity
 - ▣ Determine a low enough intensity (starting point) where animal not fearful/ minimal fear
 - ▣ Be able to avoid exposure to naturally occurring stimulus while working on SD

Flooding

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- Definition:
 - ▣ Prolonged exposure to full intensity fear evoking but harmless stimulus
 - ▣ Animal prevented from leaving/ escaping
 - ▣ Only when animal is relaxed is stimulus removed

Flooding

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- Risky
 - ▣ Not reacting does not = relaxed!!!
 - ▣ Time consuming
 - ▣ Remove stimulus too early
 - Reward fear response
 - ▣ Inhumane
 - Strong physical and psychological response
- Only appropriate for mild fear response to harmless stimuli
