

Emotion

Evolutionary Reasons for Emotions

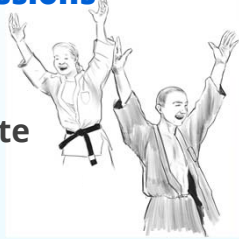
- Guide behaviour
- Quick decisions
- Deal with threats and opportunities

Facial Expressions

- Paul Ekman
- Tribe in New Guinea not exposed to outside cultures
- Emotions are universal

Facial Expressions

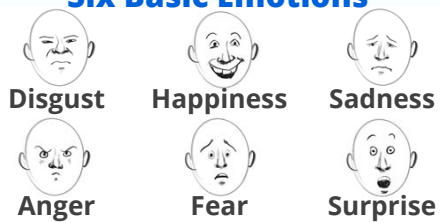
- Blind and sighted athletes
- Emotions are innate and unlearned



Facial Expressions

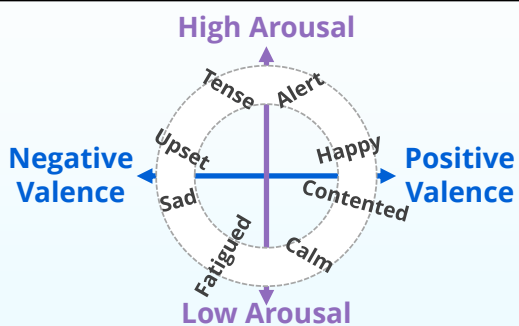
- Compare expressions of humans and chimpanzees
- Primate system for expressing emotions

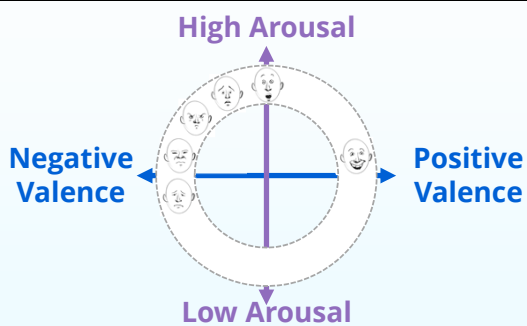
Six Basic Emotions



Circumplex Model of Emotion

- Valence (positive - negative)
- Arousal (high - low)
- Emotions associated with extremes (no neutral emotions)





Specific Brain Regions

Fear	Amygdala
Disgust	Insula
Anger	Orbitofrontal cortex

Criteria for Basic Emotions

- Distinctive universal signals (unique facial expressions)
- Emotion-specific physiology
- Automatic appraisal

Criteria for Basic Emotions

- Comparable in other primates
- Rapid onset
- Brief duration
- Unbidden occurrence
