Organisatorisches

- Vorstellung Tutorin
- Zeitpunkt Tutorium
 - Dienstag, 18:00 19:00
 - Mittwoch, 9:00 10:00
 - Mittwoch, 14:00 15:00
 - Mittwoch, 15:00 16:00
 - Donnerstag, 18:00 19:00
 - Freitag, 9:00 10:00
 - Freitag, 10:00 11:00
 - Freitag, 11:00 12:00
- Verfügbarkeit Folien:

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 Mailing-Liste – bitte email schreiben an: christiane.schwieren@awi.uni-heidelberg.de

Social Cognition

Social Cognition

 Interpretation, analyzation, remembering and use of information about the social world

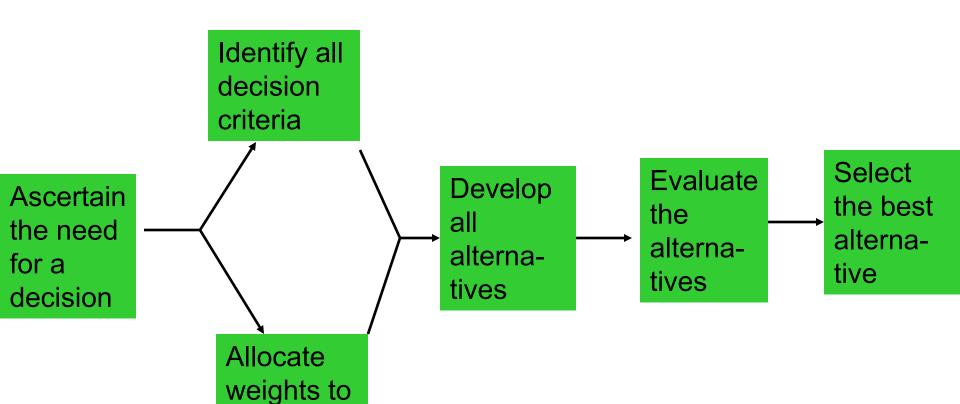
- Basis for judgement & decision making
- Descriptive & explanatory approaches

• ⇔ Economic view of judgement & 16/04/⊈ecision making -> normative approach

Economic Model of Decision Making

- Classical decision theory
 - Decision makers are objective
 - Decision makers have complete information
 - Decision makers consider all possible alternatives & their consequences
 - Decision makers select the optimal solution
- → Traditional approach to decision making
 - Sequence of steps that enhance probability of attaining a desired outcome

The Optimizing Model



criteria

Criticizm

- Rarely possible to consider all alternatives
- Impractical to consider all consequences
- Estimation process costs time & effort
- Information is rarely complete, accurate...
- Individuals lack mental capacity to process all the information
- →Ideal model, doesn't tell us how people really make decisions!
- → Development of descriptive models

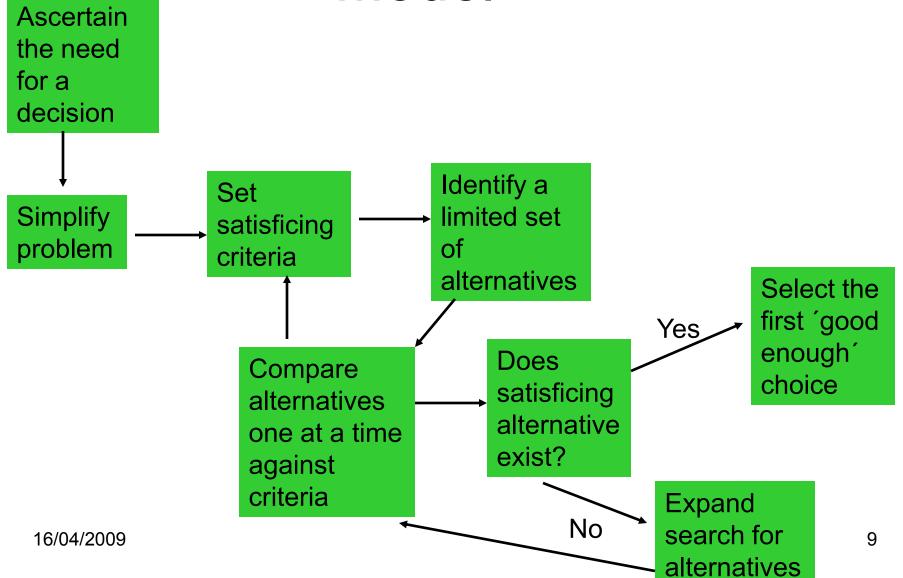
Descriptive & Explanatory Approaches To Decision Making

- Satisficing (Behavioural theory of decision making; e.g., Herbert Simon)
- Heuristic decision making & Biases in decision making (Explanatory models of decision making; e.g., Amos Tversky & Daniel Kahneman)
- Heuristic decision making fast and frugal tools (e.g., Gerd Gigerenzer)

Behavioural Theory of Decisionmaking

- Bounded rationality
 - Definition of a situation usually incomplete
 - Impossible to generate all alternatives
 - Impossible to predict all consequences
 - Limited information processing
 - Personal & political factors have an influence
 - Judgmental heuristics
 - ➤ Decisions that are GOOD ENOUGH -> "satisficing"!
 - ➤ Like search process: once a satisfactory solution has been found search tends to stopDiscuss:

The Satisficing Model



Heuristic decision making – Biases

- Used because of information overload
- Definition: "Simple rules for making complex decisions or drawing inferences in a rapid [...] manner" (B & B)
- Can lead to biases in decision making!
- Examples:
 - Representativeness
 - Tendency to assess the likelihood of an event ocurring based onimipressions about similar occurences
 - Availability
 - Tendency to base decisions on information readily available in memory
 - Anchor-and adjustment heuristic
 - Judgement made by starting from an intial value (anchor), making then adjustments from that point

Other Biases

- Framing effects
- Hindsight bias
 - Tendency to perceive outcomes as more inevitable after they have occured than they did before.

- Escalation of commitment
 - Tendency to continue to support previously unsuccessful courses of action

Framing Effects

 Tendency to make different decisions based on how the problem is presented

- Examples
 - Risky choice
 - Attribute framing

Heuristic Decision Making – Fast and Frugal Tools

 Maybe heuristic decision making is not a "mistake" or a "bias", but a useful tool!

- In real life, we cannot use all information
- Generalizations often difficult!

- Ball-example:
- http://library.mpib-berlin.mpg.de/ft/gg/GG_Adaptive_2001.pdf

Comparison

- Rational model
- Satisficing
- Heuristics
 - Biases
 - Adaptive tools

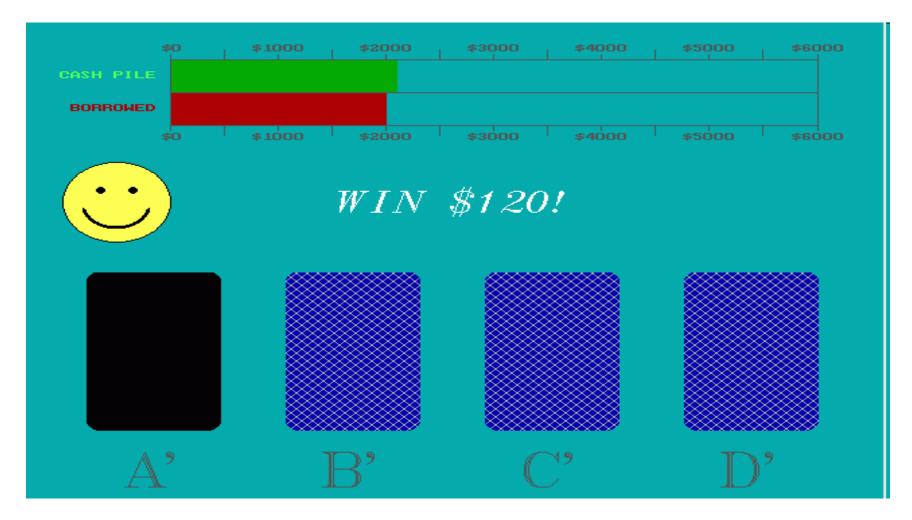
Think of any decision you have been taking recently (e.g., where to study abroad, what to study, where to go on holiday...) – did you maximize or satisfice, or use heuristics? How did this influence the decision taken?

Affect

The influence of affect on cognition

- Mood-dependent memory
- Mood congruence effect
 - Tendency to recall positive things when in good mood and to recall negative things when in bad mood
- ➤ How does affect influence cognition?
 - Affect infusion model

The somatic marker hypothesis – Damasio et al.



Accdrnig to a rscheearch at Cmabrigde Uinervtisy, it deosn't mttaer in waht oredr the ltteers in a wrod are, the olny iprmoatnt tihng is that the frist and lsat ltteer be at the rghit pclae. The rset can be a total mses and you can sitll raed it wouthit porbelm. Tihs is becase the huamn mnid deos not raed ervey lteter by istlef, but the wrod as a wlohe.

Perception

Definition

 Perception is the dynamic psychological process responsible for attending to, organizing and interpreting sensory data......to give meaning to the environment

(H & B/Robbins)

- Influenced by
 - Context factors
 - Stimulus factors
 - Expectations
 - Motivation
 - Learning
 - Personality16/04/2009

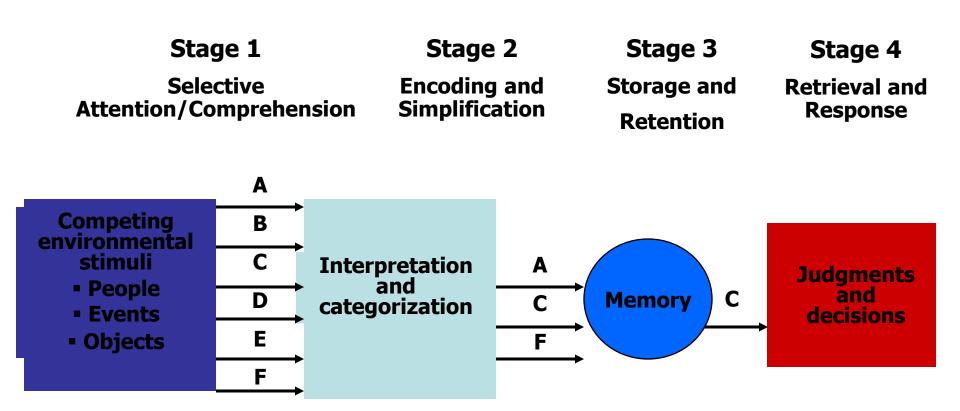
Perceptual Sets – Perceptual Worlds

A perceptual set is an individual's predisposition to respond to events in a particular manner.

The individual's perceptual world is their personal internal image, map or picture of their social, physical and organizational environment.

- Culturally shaped
- Can be a barrier to understanding and communication!
- Important: language!

Perception: A (Cognitive) Information Processing Model

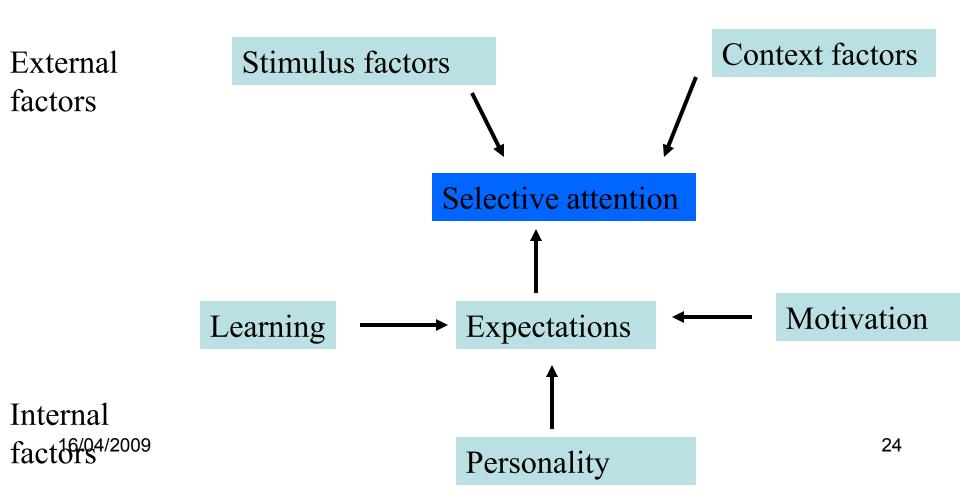


Stage1: Selective Attention

 The ability, often exercised unconsciously, to choose from the stream of sensory data, to concentrate on particular elements and to ignore others. (H & B)

- Habituation
- Perceptual filters

Internal & External Factors Influencing Perception



Stage2: Encoding & Simplification

- Aspects of perceptual organization
 - Proximity principle
 - Similarity principle
 - Principle of closure
- Categorization
 - By person, by attributes, by content....
 - Influenced by existing knowledge
 - Influenced by goal of information-processing
- Schemata

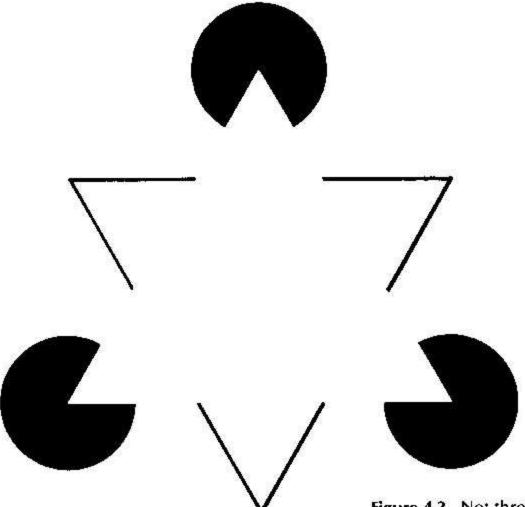


Figure 4.2 Not three black sectors and three angles, but a white triangle in front of three black disks and an outlined triangle.



Important 'biases' in perception

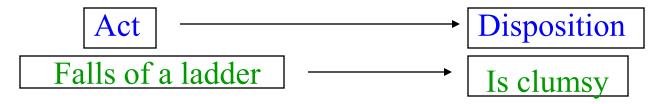
 Sterotyping: Judging someone on the basis of one's perception of the group to which that person belongs (robbins).

- Attribution errors: (An attribution is a belief about the cause or causes of an event or an action).
 - Fundamental attribution error.
 - Self-serving biases.

Attribution

 "Attribution is the proces by which we make sense of our environment through our perceptions of causality. An attribution is a belief about the cause or causes of an event or an action." (H & B)

Correspondent Inferences:



You observe an individual complaining about the food, service, decor in a restaurant. To answer "why?" you note that...

You conclude that....

No one else She always She also complains She complained complains. + complains in this + in other settings. because she is (Consensus (Distinctiveness difficult to please. restaurant. low) (Consistency (Internal low) attribution) high)

She does not complain Several others She always She complained + in other settings. complains in this because the also complain. (Distinctiveness high) restaurant is terrible. (Consensus restaurant. (Consistency high) (External 16/04/2009 30 attribution) high)

Literature

- Huczinsky & Buchanan
- Articles provided in library