Week 16.2

Wrap up

12/12/2018
Wrap up

• What have we learned this semester?

➢ Read the syllabus again!

• What’s the ultimate goal of the study of cognition?

• Why do we need to know X in order to understand human cognition?
Cognition

Knowledge representation

Reasoning

Decision making

Problem solving

Individual differences

Language

Development

Long-term Memory

Short-term Memory

Sensory Memory

Attention

Perception
The field of Cognitive Science

- Anthropology
- Linguistics
- Psychology
- Computer Science/Informatics
- Philosophy
- Business
- Education
- Music
- Neural science
- Vision science
- Speech & Hearing Sciences
- Communication studies
- Sociology
Wrap up

• Cognition since birth
  ➢ Physiological maturation

➢ Experiences
  o Sensory input
  o Interaction with others

➢ Social

➢ Cultural
Review for the final

Topics covered in the second half

• Concept and mental imagery
• Mental rotation
• Language and cognition
• Problem solving
• Reasoning
• Decision making
• Cognitive development
• Language development
• Individual differences
Discussion question

• For each scenario, first break down all possible cognitive events, and then analyze “all” possible cognitive processes and/or high-level thinking (reasoning, problem-solving, decision-making) processes involved AS DETAILED AS POSSIBLE. Discuss with your neighbors (3 – 4 as a group) and summarize your discussion and turn it in.
Scenario 1

You went shopping for grocery. You made a list of items you want to buy but later realized you left it in your car. You started to recall the items on the list. You asked the staff for direction, and then reached the pasta section. You saw a wide variety of macaroni products with different brands and prices, but what you needed was just penne. After some consideration, you chose Brand A. While you searched for the second item, you heard some familiar voice from the back. You turned around and saw your friend. Your friend told you about the recent recall of contaminated romaine lettuce, but you said it didn’t necessarily mean that all romaine lettuce was contaminated. After you got all you needed, you went straight to the register but a young child cut the line and seemed to ignore people surrounding her. Finally it’s your turn but you realized you didn’t have enough cash and also didn’t bring your cards. You started to come up with several possible solutions but none of those worked. So you gave up and just bought a small portion of items you wanted and went home.
Scenario 2

You went to an info session about graduate school application process. After 20 mins, you started feeling bored and texting your friends on your smartphone but also listened to the talk from time to time. When you got home, you did some search on the web and made a list of schools you’d like to apply to based on the information you found. You selected some top schools, some above-average schools, and some average schools. You then made a plan for the things needed for the applications, and gauged the likelihood of being admitted to each school based on your qualifications. While you were working on the applications, your Mexican roommate spoke to you in Spanish and showed you a cool electronic device she bought. You also spoke to her in Spanish, which you spoke at home with your parents.