

Review Sheet - Exam III

Memory

Short-term vs. Long-term

modal model and depth of processing

Depth of Processing

shallow processing

deep processing

intentional versus incidental tasks

Measures of Memory

explicit measures

free recall

recognition task

implicit measures

word fragments

Two way ANOVA

Describing designs

Factors (IVs)

Main effects

Interaction effects

2 X 2 interaction plots

Mental Chronometry

Donder's' method of subtraction

choice reaction time

motor choice time

decision time

discrimination time

A, b, c -reaction time

Wundt's modification

problems with Donder's method

Sternberg's additive factors

binary choice tasks

serial comparison

parallel search

serial self-terminating search

serial exhaustive search

set size, probe

slope and intercept

Posner's Same Different task

simultaneous presentation

successive presentation

inter stimulus interval (ISI)

Stimulus onset asynchrony (SOA)

physical similarity

name identity

category identity

Spreading Activation Theory

Methodological Issues

short or long RTs

speed-accuracy trade off

Observing Behavior

Sampling Methods

Ad libitum, focal and behavior

Recording Methods

Continuous recording

Event sampling

Time Sampling

Instantaneous – (fixed interval)

0-1 sampling (fixed time span)

Psycho physical methods

threshold

absolute - detection

relative - discrimination

method of limits

errors of expectation

errors of habituation

method of constant stimuli

psychometric function

point of subjective equality (PSE)

just noticeable difference (JND)

two versus three category method

high threshold (classical) theory

Theory of Signal Detection

correct detections (CD) – “hits”

false alarms (FA)

miss and correct rejections (CR)

d' sensitivity

c criterion

Beta (β) response bias

ROC curve

Three procedures of SDT