Psychology 301 – Exam 2
Major topics covered since the first exam

- ANOVA
- Main effects
- Interactions
- Overt and covert attention
- Precuing attention
- Ethical and unethical research
- APA Ethical Principles:
  - Informed consent
  - Deception
  - Harm
  - Debriefing
  - Confidentiality
- Institutional Review Board
- Replication
- Plagiarism
- Quasi-Experimental designs
  - One group posttest only (No control group)
  - One group pretest-posttest
  - Non-equivalent control group
  - Non-equivalent control group pretest-posttest
- Common extraneous variables
  - Maturation
  - History
  - Statistical regression (Regression to the mean)
  - Instrumentation
  - Scale attenuation effects
- Scales of measurement
  - Nominal
  - Ordinal
  - Interval
  - Ratio
- Mann-Whitney U test
- Wilcoxon signed ranks test
- Descriptive observation
- Relational research
- Contingency table
- Correlational research
- Explanations for low correlation
  - Non-linear
  - Restricted range
- Third variable problem
- Cross-lagged panel correlation
- Single subject designs
- Interrupted time series design

- ABA reversal design
- ABAB design
- Multiple time series design
- Multiple baseline design
- Age-related changes
  - Longitudinal design
  - Cross-sectional design
  - Sequential design
- Cohort
- Basic ideas underlying method and results in:
  - Precuing visual attention (Posner lab)
  - Donders