Unit 5 - Week 3 - Research Methodologies in Cognitive Psychology

Assignment 3

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-03-20, 23:59

1) Based on some statistical measures among variables, assume that predicting a single outcome variable from more than one predictor variable:
   - Describe the research design
   - Multiple regression
   - Linear regression
   - All of the above
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - Multiple regression

2) Drawing a conclusion that the data supports the research hypothesis wherein they are just due to chance. This is known as:
   - Type I error
   - Type II error
   - Internal validity error
   - External validity error
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - Type II error

3) _____ states that the response line is proportional to the logarithm of number of different possible stimuli.
   - Cramer's law
   - Hill's law
   - Fechner's law
   - Weber's law
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - Weber's law

4) _____ is used to determine the relative activity of various areas of the brain by detecting changes in the magnetic response of the hemoglobin.
   - Functional Magnetic Resonance Imaging (fMRI)
   - Positron Emission Tomography (PET)
   - Electromyography (EMG)
   - Neurons in the brain
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - Functional Magnetic Resonance Imaging (fMRI)

5) Absolute threshold refers to the minimum intensity by which a variable comparison stimulus must deviate from a constant standard stimulus to produce a perceptual difference.
   - True
   - False
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - False

6) _____ relates the relationship between the percentage of times that a stimulus is perceived and the corresponding stimulus intensity.
   - Cramer's law
   - Hill's law
   - Fechner's law
   - Weber's law
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - Fechner's law

7) _____ tells us about both the sensory and the decision process.
   - ROC function
   - Slope
   - Interception function
   - Decision curve
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - ROC function

8) Which of the following best summarizes the relationship between sensation and perception?
   - Sensation builds upon perception
   - Perception builds upon sensation
   - Perception is an interpretation of sensory input derived from the senses.
   - Sensation is based on organizing input from senses & perception in order to detect the inputs.
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - Perception is an interpretation of sensory input derived from the senses.

9) While scanning a distribution of evidence and making decisions about the presence or absence of a stimulus, if one believes a liberal decision policy:
   - Criterion shifts towards the left & most responses are yes.
   - Criterion shifts towards the right & most responses are no.
   - Criterion shifts towards the right & most responses are yes.
   - Criterion shifts towards the left & most responses are no.
   - No, the answer is incorrect
   - Score: 1 point
   - Accepted Answer:
     - Criterion shifts towards the left & most responses are yes.

10) Choice-based reaction time takes less time than single reaction time.
    - True
    - False
    - No, the answer is incorrect
    - Score: 1 point
    - Accepted Answer:
      - False