

PSY 10 - Analysis of Psychological Data

Quiz # 03

Professor Depaoli

2/7/2017

Red Scantron Instructions

1. Use pencil to fill out your Scantron.
2. Bubble your name and ID number on front.
3. Do NOT put a zero before your ID number.
4. Use the same ID number as the first quiz (with no extra zero).
5. Use the same name as the first quiz.
6. Make heavy, **dark** marks that fill the circle **completely** and **precisely**.
7. If you need to correct any answer, make sure you erase the original one **completely**.

A researcher interested in memory samples 8 rats that went through a memory-related treatment and determines the number of minutes until each completed a maze.

Given the scores 4, 10, 4, 8, 4, 7, 12, 9, compute the following:

1. Mean (1.5 pts)
(a) 6.44 (b) 7.25 (c) 7.5 (d) 8.29
2. Median (1.5 pts)
(a) 5.5 (b) 7 (c) 7.5 (d) 8
3. Mode (1.5 pts)
(a) 4 (b) 7 (c) 8 (d) 12
4. Range (1.5 pts)
(a) 4 (b) 5.25 (c) 8 (d) 12
5. Variance (2 pts)
(a) 2.86 (b) 8.19 (c) 9.36 (d) 65.5
6. Standard Deviation (2 pts)
(a) 1.69 (b) 2.86 (c) 3.06 (d) 8.09

$$\sigma^2 = \frac{\sum(x - \mu)^2}{N}$$

$$\sigma = \sqrt{\frac{\sum(x - \mu)^2}{N}}$$

$$s^2 = \frac{\sum(x - \bar{x})^2}{n - 1}$$

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