



# Biostatistics

Archive

Lecture 14

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1. One statement is INCORRECT for the assumption of t test:

- a. Normal distribution of the population of the sample
- b. Randomization of the sample
- c. The data are categorical
- d. Dependency of the sample
- e. The data are continuous

Answer: C. the data are categorical

2. If we want to know whether Indian women are taller than Jordanian women according to the

height (cm) and we know the following information for Indian women: sample size =60, mean

height=180 cm, standard deviation =5 and for Jordanian women: sample size=50; mean height

170 cm, standard deviation= 3

(Assuming that level of significance or  $\alpha=0.05$ , and two-sided test). The calculated value will

be:

- a. 10.5
- b. 6.3
- c. 3.8
- d. 7.2
- e. 12.4

Answer: E. 12.4