Medical Faculty - Undergraduates - Exam of Biostatistics

31.7.2013

Name:	ID Number:	Points:	Exam152

1 [5] Which of the following is a measure of central tendency?

  (a) median

  (b) variance

  (c) mode

  (d) coefficient of correlation

  (e) frequency

  (f) range

  (g) standard deviation

  (h) mean

2 [15] A genetically modified mouse does not survive the first month of life with probability 0.40.

  (a) We planned an experiment that included 10 mice. What is the probability that after a month not more than a mouse will survive?

  (b) What is the expected number of mice still alive after the first month?

3 [5] The median value of the following data 33, 3, 7, 15, 107, 1, 41 is

  (a) 29.6

  (b) cannot be calculated

  (c) 15

  (d) 16

4 [10] Calculate the mean of the following data: 3,-1,7,6

  (a) 3.75

  (b) 4.75

  (c) does not exist

  (d) 4.5

5 [15] What is the probability of obtaining exactly 1 tails if we toss a fair coin 10 times?

Good luck!