

Medical Faculty - Undergraduates - Exam of Biostatistics

31.7.2013

Name:	ID Number:	Points:	Exam831
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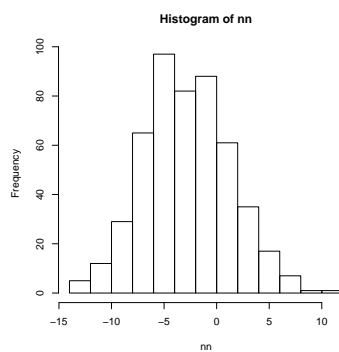
1 [5] Which of the following is a measure of central tendency?

- (a) mean
- (b) range
- (c) variance
- (d) standard deviation
- (e) coefficient of correlation
- (f) mode
- (g) median
- (h) frequency

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 [15] Data for variable nn are represented graphically.



- (a) Is standard deviation 1, 2 or 4?
- (b) Is mean -3, 0 or 3?

4 [15] What is the probability of obtaining exactly 1 tails if we toss a fair coin 2 times?

Good luck!