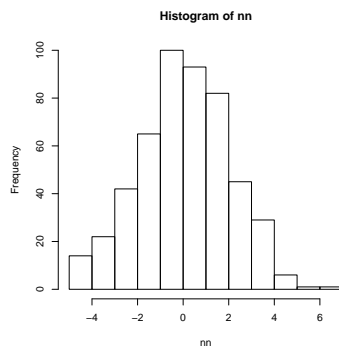


# Exam

Today

Name:	ID number:	Number of points:	MED551
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- 1 [5] The median value of the following data 33, 3, 7, 15, 107, 1, 41 is
- (a) cannot be calculated
  - (b) 29.6
  - (c) 16
  - (d) 15
- 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] What is the probability of obtaining exactly 2 tails if we toss a fair coin 2 times?
- 4 [15] Data for variable nn are represented graphically.



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

# Exam

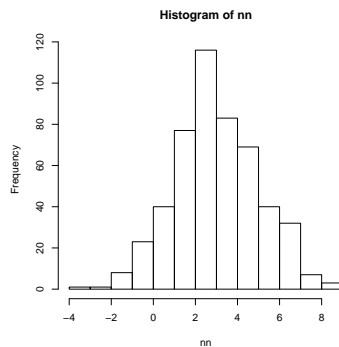
Today

Name:	ID number:	Number of points:	MED462
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1 [5] The median value of the following data 33, 3, 7, 15, 107, 1, 41 is

- (a) cannot be calculated
- (b) 16
- (c) 29.6
- (d) 15

2 [15] Data for variable nn are represented graphically.



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

3 [10] Calculate the mean of the following data: 5,-1,-2,-1

- (a) 1.25
- (b) does not exist
- (c) -1
- (d) 0.25

4 [15] What is the probability of obtaining exactly 7 tails if we toss a fair coin 8 times?

5 [0] NA

6 [5] Which of the following is a measure of central tendency?

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