Homework - Biostatistics **Mice**

Academic Year 2012/2013

1 Data about the group

Group members : Mickey Mouse, Minnie Mouse, Morty Fieldmouse, Ferdie Fieldmouse
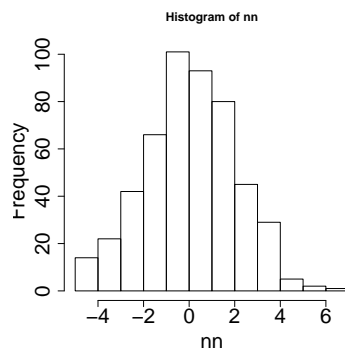**Due date : 1st of October 2012**
Sources : Lecture Notes
Template to use : Descriptive.doc

2 Assignment

Answer to the following questions

- Calculate the mean of the following data:

  -3,0,7,12

- Calculate the standard deviation of the following data:

  7,-5,-10,15

- Data for the variable nn are represented graphically. Determine (approximately) the mean and the standard deviation of the variable.

Homework - Biostatistics **Ducks**

Academic Year 2012/2013

1 Data about the group

Group members : Donald Duck, Daisy Duck, Scrooge McDuck, Gladstone Gander, Elvira Grandma Duck Coot
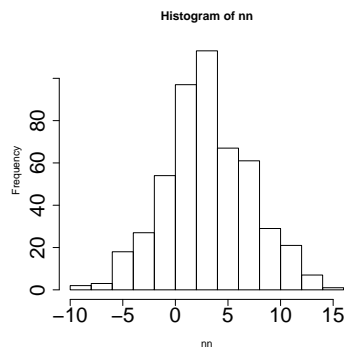**Due date : 8th of October 2012**
Sources : Book
Template to use : Descriptive.doc

2 Assignment

Answer to the following questions

- Calculate the mean of the following data: 6,-3,-4,4

- Calculate the standard deviation of the following data: 4,7,7,6

- Data for the variable nn are represented graphically. Determine (approximately) the mean and the standard deviation of the variable.

Histogram of nn

Homework - Biostatistics **YoungDucks**

Academic Year 2012/2013

1 Data about the group

Group members : April Duck, May Duck, June Duck, Huey Duck, Dewey Duck, Louie Duck
Due date : 15th of October 2012
Sources : Lecture Notes
Template to use : Probability.doc

2 Assignment

A genetically modified mouse does not survive the first month of life with probability 0.3 .

- We planned an experiment that included 7 mice. What is the probability that after a month not more than a mouse will survive?

- What is the expected number of mice still alive after the first month?

- Is the animal represented in the picture a genetically modified mouse?