

# 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**

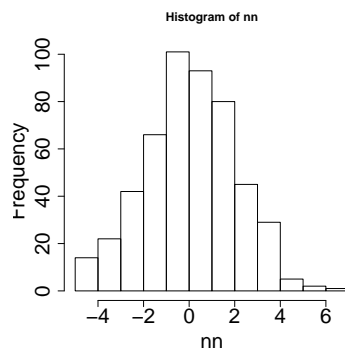
**Sources :** Lecture Notes

**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

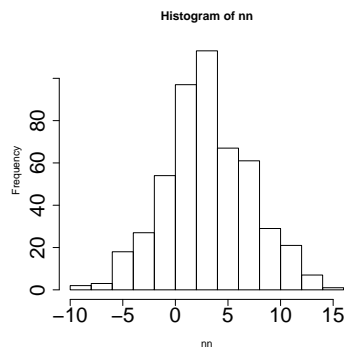
**Sources :** Book

**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.



# 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?