

Final Application

Calculation and plot from txt file ("scoresAllAnimals.txt")

In this file are the scores recorded for different animals, during 23 days. You will also find some informations about these animals:

- type (mouse, bird, monkey)
- identification number
- age in weeks
- sex (M or F)
- scores from day 1 to day 23

You will have to extract the data from the file in order to:

- display "The animalType with the ID animalID (animalSex) weights animalWeight g."
- display "The animalType with the ID animalID (animalSex) has a mean score of meanScoreForAllDays."
- plot the evolution of the scores for all animals (one subplot per type of animal)
- barplot the mean scores per animal

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- display "The animalType with the ID animalID (animalSex)
weights animalWeight g."

----- Weights per animal -----

The bird with the ID b1 (M) weights 12g
The mouse with the ID s1 (F) weights 15g
The mouse with the ID s2 (M) weights 13g
The bird with the ID b2 (M) weights 16g
The monkey with the ID k1 (F) weights 14g
The bird with the ID b3 (F) weights 12g
The mouse with the ID s3 (F) weights 10g
The monkey with the ID k2 (M) weights 12g
The monkey with the ID k3 (M) weights 11g
The bird with the ID b4 (F) weights 13g
The bird with the ID b5 (F) weights 15g
The mouse with the ID s4 (M) weights 17g
The mouse with the ID s5 (M) weights 10g
The monkey with the ID k4 (M) weights 12g
The monkey with the ID k5 (M) weights 16g

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- display "The animalType with the ID animalID (animalSex) has a mean score of meanScoreForAllDays."

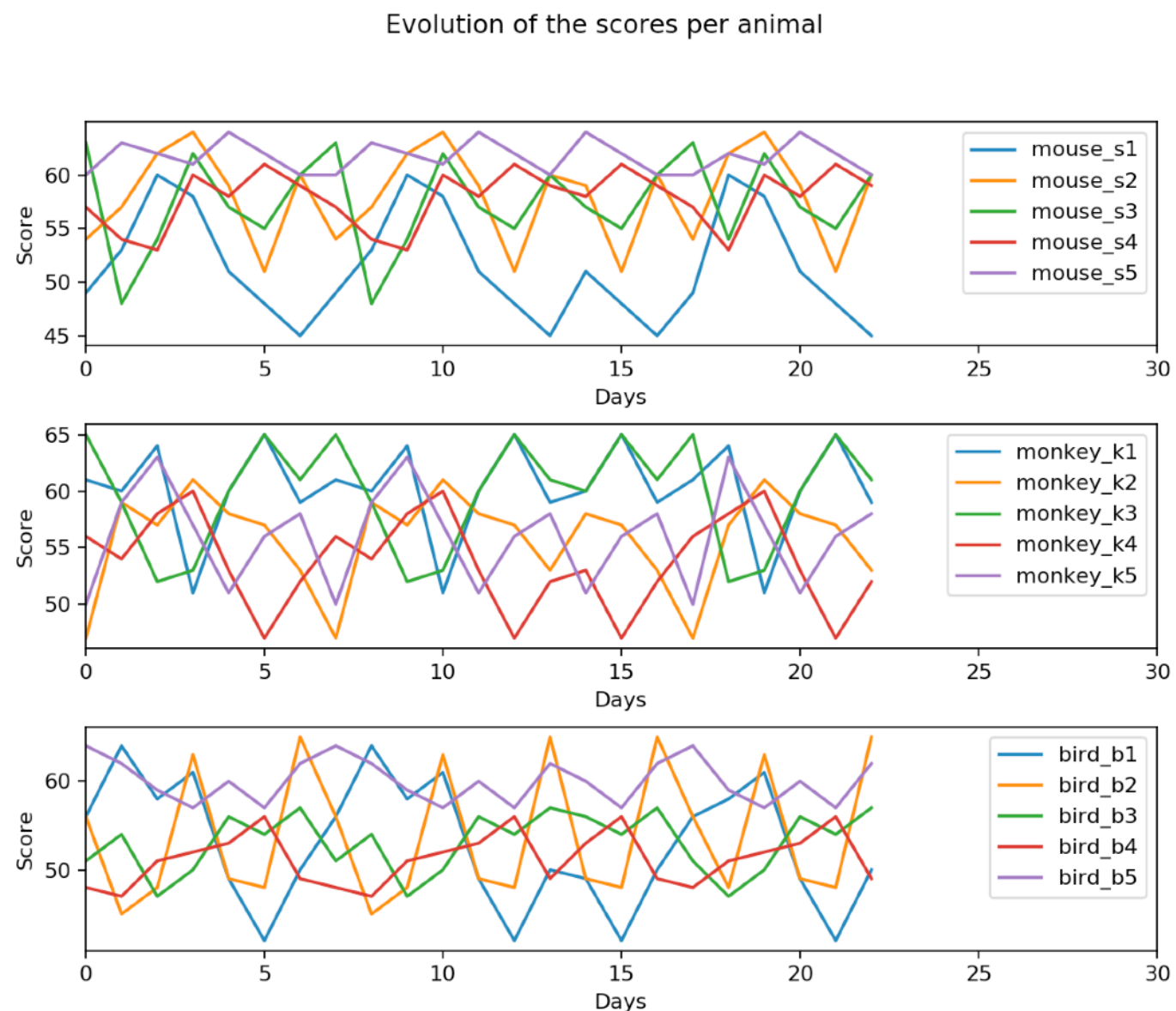
----- Mean scores per animal -----

The bird with the ID b1 (M) has a mean score of 52.913043
The mouse with the ID s1 (F) has a mean score of 51.434783
The mouse with the ID s2 (M) has a mean score of 58.000000
The bird with the ID b2 (M) has a mean score of 53.869565
The monkey with the ID k1 (F) has a mean score of 60.173913
The bird with the ID b3 (F) has a mean score of 53.043478
The mouse with the ID s3 (F) has a mean score of 57.434783
The monkey with the ID k2 (M) has a mean score of 55.869565
The monkey with the ID k3 (M) has a mean score of 59.652174
The bird with the ID b4 (F) has a mean score of 51.260870
The bird with the ID b5 (F) has a mean score of 60.000000
The mouse with the ID s4 (M) has a mean score of 57.826087
The mouse with the ID s5 (M) has a mean score of 61.695652
The monkey with the ID k4 (M) has a mean score of 53.826087
The monkey with the ID k5 (M) has a mean score of 56.000000

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- plot the evolution of the scores for all animals (one subplot per type of animal)



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- barplot the mean scores per animal

