

Biometry. Lecture 19

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- 1 Questions and answers
 - “Skipped” Exam 3



```
> setwd("<working folder>")  
or  
"Change dir"  
in menu!
```



Questions and answers

"Skipped" Exam 3



- Open R, download the data file from Internet (address is <http://ashipunov.info/data/dact2.txt>), load it into the R object.
- Explore the data frame, check normality for every character.
- Answer the following five questions (do not forget to supply numerical arguments):
 - 1 Is leaf width differ between *Dactylorhiza incarnata* and *D. maculata*?
 - 2 Does the association exist between lip color and presence of leaf spots?
 - 3 Which pair of **measurement characters** are most correlated? Is this correlation significant?
 - 4 Make the linear model for these two most correlated characters. How good is the model, is it significant?
 - 5 Are the linear models for the same characters taken separately for each species different?



Finishing...

```
> savehistory("20140416.r")
```



For Further Reading



A. Shipunov.

Biometry [Electronic resource].

2012—onwards.

Mode of access:

http://ashipunov.info/shipunov/school/biol_240



A. Shipunov, and others.

Visual statistics. Use R!

DMK Press, 2012. [Under translation from Russian.]

