



SPLIT SUMMER SCHOOL STSS2017

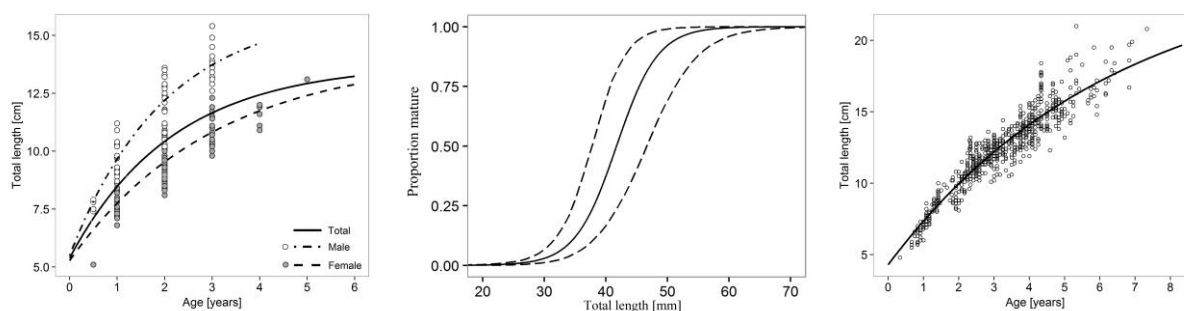
COURSE: APPLIED ICHTHYOLOGY IN R

Contact person: Frane Škeljo
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Main topics:

- Introduction to R environment and RStudio and its application in ichthyology
- Manipulation, analysis and visualisation of ichthyological data in R
- Introduction to R packages dplyr, ggplot2 and FSA
- Linear regression: fish morphometric relationships and relative growth in R
- Logistic regression: fish maturity
- Nonlinear regression: fish length-weight and age-growth relationships in R



Programme structure:

- 5-day course
- Sample data will be provided for exercises and for final project. However, participants are encouraged to use their own data set for the final project
- Every participant gets lecture notes in pdf, including the R code used during the lectures and exercises

Important dates:

Course dates: 04/09/2017 – 08/09/2017
Deadline for application: 21/07/2017
Payment due by: 08/08/2017
Confirmation of the course: 15/08/2017

Price of the course: 300 € (tax included)

Bed & breakfast: 191.36 € (tax included) – contact person: Marina Kero marina.kero@scst.hr

Programme plan:

- Day 1
- Introduction to R and RStudio and its application in ichthyology; R packages; Importing data in R
- Day 2
- Data subsetting in R; Data manipulation using the dplyr package
- Day 3
- Creating, interpreting and visualising fish morphometric relationships and relative growth in R
- Day 4
- Creating, interpreting and visualising fish length-weight, length-proportion of mature individuals and age-length relationships in R
- Day 5
- Creating and presenting final projects

Programme lecturers:

Frane Škeljo, PhD / Assistant Professor
University of Split, University Department of Marine Studies, Split, Croatia.

[Scientific Bibliography](#)

Jure Brčić, PhD / Assistant Professor

University of Split, University Department of Marine Studies, Split, Croatia.

[Scientific Bibliography](#)

Detailed course information is available [here](#).