SPLIT SUMMER SCHOOL STSS2018

COURSE: APPLIED ICHTHYOLOGY IN R
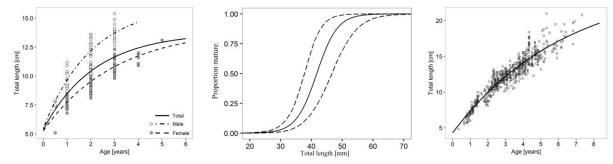
Contact person: Frane Škeljo   fskeljo@unist.hr
                   phone: +385 98 903 2785   skype: skeosv

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: 03/09/2018 – 09/09/2018
Deadline for application: 20/07/2018
Payment due by: 08/08/2018
Confirmation of the course: 15/08/2018

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.