

# SV0019 Analyses of environmental data 1 2023-08-28 - 2024-01-14

M=module, A=assignment, L=lecture, E = exercise

Red text = attendance is mandatory, Green text = deadline, black text = recommended attendance, own work

**Please note that the scheduled activities may change within the times allocated!!!**

Teachers:

LK- Lenka Kuglerová

RS –Robert Spitzer

RBH – Ruben Baan Hofman

Day	Date	Time and location	Activity	Content	Teacher
Mon	28-Aug				
Tue	29-Aug	13.00-16.00 Datorsal 1A,B	Lecture and exercise Introduction to R and RStudio	M1: How to install R, RStudio, creating project, work directories, scripts, R markdown, R documentation, how to google R problems	LK, RS
Wed	30-Aug	Whole day	M1 Assignment	Discovering R	Teacher consultation between 14.00 and 16.00
Thurs	31-Aug	Whole day	M1 Assignment	Discovering R	
Fri	01-Sep				
Sat	02-Sep				
Sun	03-Sep				
Mon	04-Sep				
Tue	05-Sep				
Wed	06-Sep				
Thurs	07-Sep				
Fri	08-Sep				
Sat	09-Sep				
Sun	10-Sep				
Mon	11-Sep	23:59	M1 Assignment	Submit M1 through canvas	
Tue	12-Sep	13.00-16.00 Datorsal 1A,B	Exercise	M2: Getting data in R, data manipulation (packages dplyr, tdyr)	LK, RBH
Wed	13-Sep	Whole day	M2 Assignment	Data manipulation	Teacher consultation between 14.00 and 16.00
Thurs	14-Sep	Whole day	M2 Assignment	Data manipulation	
Fri	15-Sep				
Sat	16-Sep				
Sun	17-Sep				
Mon	18-Sep				
Tue	19-Sep				
Wed	20-Sep				
Thurs	21-Sep				
Fri	22-Sep				
Sat	23-Sep				
Sun	24-Sep				
Mon	25-Sep	23:59	M2 Assignment	Submit M2 through canvas	
Tue	26-Sep	13.00-16.00 Datorsal 1A,B	Exercise	M3: Plots (package ggplot and ggplot2)	RS, RBH
Wed	27-Sep	Whole day	M3 Assignment	Plots	Teacher consultation

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					between 14.00 and 16.00
Thurs	28-Sep	Whole day	M3 Assignment	Plots	
Fri	29-Sep				
Sat	30-Sep				
Sun	01-Oct				
Mon	02-Oct				
Tue	03-Oct				
Wed	04-Oct				
Thurs	05-Oct				
Fri	06-Oct				
Sat	07-Oct				
Sun	08-Oct				
Mon	09-Oct	23:59	M3 Assignment	Submit M3 through canvas	
Tue	10-Oct	13.00-14.00 Vita havet	Lecture	M4: Simple guide to data analyses (lecture)	LK
Wed	11-Oct	9.00-11.00 Datorsal 1A,B  13.00-16.00 Datorsal 1A,B	Exercise	Linear regression  Anova	LK, RBH
Thurs	12-Oct	Whole day	M4 Assignment	Simple univariate data analyses	Teacher consultation between 14.00 and 16.00
Fri	13-Oct				
Sat	14-Oct				
Sun	15-Oct				
Mon	16-Oct				
Tue	17-Oct				
Wed	18-Oct				
Thurs	19-Oct				
Fri	20-Oct				
Sat	21-Oct				
Sun	22-Oct				
Mon	23-Oct	23:59	M4 Assignment	Submit M4 through canvas	
Tue	24-Oct	13.00-16.00 Datorsal 1A,B	Exercise	M5: Introduction to pseudoreplication How to deal with it?	LK
Wed	25-Oct	Whole day	M5 Assignment	Identifying true replicates	Teacher consultation between 14.00 and 16.00
Thurs	26-Oct	Whole day	M5 Assignment	Identifying true replicates	
Fri	27-Oct				
Sat	28-Oct				
Sun	29-Oct				
Mon	30-Oct				
Tue	31-Oct				
Wed	01-Nov				
Thurs	02-Nov				
Fri	03-Nov				
Sat	04-Nov				
Sun	05-Nov				

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Mon	06-Nov	23:59	M5 Assignment	Submit M5 through canvas	
Tue	07-Nov	13.00-16.00 Datorsal 1A,B	Exercise	M6: Linear mixed effect models (package nlm, and lmer4)	LK, RBH
Wed	08-Nov	Whole day	M6 Assignment	Nested and block designs	Teacher consultation between 14.00 and 16.00
Thurs	09-Nov	Whole day	M6 Assignment	Nested and block designs	
Fri	10-Nov				
Sat	11-Nov				
Sun	12-Nov				
Mon	13-Nov				
Tue	14-Nov				
Wed	15-Nov				
Thurs	16-Nov				
Fri	17-Nov				
Sat	18-Nov				
Sun	19-Nov				
Mon	20-Nov	23:59	M6 Assignment	Submit M6 through canvas	
Tue	21-Nov	13.00-16.00 Datorsal 1A,B	Exercise	M7: Ordination analyses, niche overlap/resource partitioning (PCA, package vegan)	RS
Wed	22-Nov	Whole day	M7 Assignment	Ordinations	Teacher consultation between 14.00 and 16.00
Thurs	23-Nov	Whole day	M7 Assignment	Ordinations	
Fri	24-Nov				
Sat	25-Nov				
Sun	26-Nov				
Mon	27-Nov				
Tue	28-Nov				
Wed	29-Nov				
Thurs	30-Nov				
Fri	01-Dec				
Sat	02-Dec				
Sun	03-Dec				
Mon	04-Dec	23:59	M7 Assignment	Submit M7 through canvas	
Tue	05-Dec	13.00-16.00 Datorsal 1A,B	Exercise	M8: population estimates / distance sampling	TBA
Wed	06-Dec	Whole day	M8 Assignment		Teacher consultation between 14.00 and 16.00
Thurs	07-Dec	Whole day	M8 Assignment		
Fri	08-Dec				
Sat	09-Dec				
Sun	10-Dec				
Mon	11-Dec				
Tue	12-Dec				
Wed	13-Dec				
Thurs	14-Dec				
Fri	15-Dec				

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Sat	16-Dec				
Sun	17-Dec				
Mon	18-Dec	23:59	M8 Assignment	Submit M8 through canvas	
Tue	19-Dec	13.00-16.00 Datorsal 1A,B	Exercise	M9: eDNA based population monitoring	TBA
Wed	20-Dec	Whole day	M9 Assignment		Teacher consultation between 14.00 and 16.00
Thurs	21-Dec	Whole day	M9 Assignment		
Fri	22-Dec				
Sat	23-Dec				
Sun	24-Dec				
Mon	25-Dec				
Tue	26-Dec				
Wed	27-Dec				
Thurs	28-Dec				
Fri	29-Dec				
Sat	30-Dec				
Sun	31-Dec				
Mon	01-Jan				
Tue	02-Jan				
Wed	03-Jan	23:59	M9 Assignment	Submit M9 through canvas	
Thurs	04-Jan	13.00-16.00 Datorsal 1A,B	Exercise	M10: Predictive modeling in R	TBA
Fri	05-Jan	Whole day	M10 Assignment		Teacher consultation between 14.00 and 16.00
Sat	06-Jan				
Sun	07-Jan				
Mon	08-Jan				
Tue	09-Jan				
Wed	10-Jan				
Thurs	11-Jan				
Fri	12-Jan	9-11 Vita havet	Discussion	Course conclusions, course evaluation	LK, RS
Sat	13-Jan				
Sun	14-Jan	23:59	M10 Assignment	Submit M10 through canvas	