

Statistics for Biologists III

Teachers	Room	Phone	E-mail
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Laura van Dijk	NA	NA	laura.j.a.vandijk@gmail.com (Computer exercises)

<https://www.su.se/english/search-courses-and-programmes/bl8063-1.537091>
<https://cloud.timeedit.net/su/web/stud1/ri165XQl706Z5QQv57063ZZ6y3Y750uQ3Y65Y1gQ70157.html#>

Date		Time	Room	Content	Teacher
Part 1					
2021-12-02	Thu	10 ⁰⁰ -12 ⁰⁰	P232	Course introduction and Computer demonstration: Using R <i>Bring a laptop if you can!</i>	Tack
		13 ⁰⁰ -15 ³⁰	P232	Lecture 1: Basic concepts; Distributions; Probabilities; Central limit theorem	Tack
2021-12-03	Fri	9 ³⁰ -12 ⁰⁰	P224	Lecture 2: Parameter estimation; Confidence intervals; Hypothesis testing	Tack
		13 ⁰⁰ -16 ⁰⁰	P224	Computer exercise 1	van Dijk/Tack
2021-12-06	Mon	9 ³⁰ -12 ⁰⁰	P232	Lecture 3: Covariance and correlation; Linear regression	Tack
		13 ⁰⁰ -14 ⁰⁰	P232	Intermezzo: R Markdown	Fogelström
		14 ⁰⁰ -16 ⁰⁰	P232	Computer exercise 2	van Dijk
2021-12-07	Tue	9 ³⁰ -12 ⁰⁰	P232	Lecture 4: Multiple regression <i>(Test exercise distribution)</i>	Liedholm
2021-12-8	Wed	13 ⁰⁰ -15 ⁰⁰	P232	<u><i>Hand in test exercise 1 at 15:00</i></u>	van Dijk
Part 2					
2021-12-9	Thu	9 ³⁰ -12 ⁰⁰	P232	Lecture 5: ANOVA	van Dijk
		13 ⁰⁰ -16 ⁰⁰	P232	Computer exercise 3	van Dijk
2021-12-10	Fri	9 ³⁰ -12 ⁰⁰	P232	Lecture 6: ANCOVA; Transformations; Statistical power	Tack
		13 ⁰⁰ -16 ⁰⁰	P232	Computer exercise 4	van Dijk

2021-12-13	Mon	9 ³⁰ -12 ⁰⁰	P232	Lecture 7: Linear models, Mixed models; Nested ANOVA; Variance components	Tack
2021-12-14	Tue	9 ³⁰ -12 ⁰⁰	P232	Lecture 8: Two-way ANOVA; Blocking (<i>Test exercise distribution</i>)	Tack
2021-12-15	Wed	13 ⁰⁰ -15 ⁰⁰	P232	<i>Hand in test exercise 2 at 15:00</i>	van Dijk
2021-12-16	Thu	9 ³⁰ -12 ⁰⁰	D508	Lecture 9: More on linear models; Blocks – fixed or random	Tack
		13 ⁰⁰ -16 ⁰⁰	D508	Computer exercise 5	van Dijk
2021-12-17	Fri	9 ³⁰ -12 ⁰⁰	P232	Lecture 10: Analysis of frequencies, introduction	Tack
		13 ⁰⁰ -16 ⁰⁰	P232	Computer exercise 6	van Dijk
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2021-12-20	Mon	9 ³⁰ -12 ⁰⁰	P232	Lecture 11: Analysis of frequencies, continued; Generalized linear models (<i>Test exercise distribution</i>)	Tack
2021-12-21	Tue	13 ⁰⁰ -15 ⁰⁰	P232	<i>Hand in test exercise 3 at 15:00</i>	van Dijk
2021-12-22	Wed			Book reading	
2021-12-23	Thu			Book reading	
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Happy holidays!					
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Part 4					
2022-01-10	Mon	10 ⁰⁰ -12 ⁰⁰	P232	Lecture 12: Computer based methods: randomization, bootstrap	Miller
2022-01-11	Tue	10 ⁰⁰ -12 ⁰⁰	P232	Lecture 13: Bayesian statistics, introduction	Low
		13 ⁰⁰ -16 ⁰⁰	P232	Computer exercise 7	van Dijk
2022-01-12	Wed	10 ⁰⁰ -12 ⁰⁰	P232	Lecture 14: Bayesian statistics, continued	Low
		13 ⁰⁰ -16 ⁰⁰	P232	Computer exercise 8	van Dijk
2022-01-13	Thu	9 ³⁰ -12 ⁰⁰	P224	Lecture 15: Experimental design (<i>Test exercise distribution</i>)	Tack
2022-01-14	Fri	12 ⁰⁰ -14 ⁰⁰	P232	<i>Hand in test exercise 4 at 14:00</i>	van Dijk
		14 ⁰⁰ -16 ⁰⁰	P232	Lecture 16: Summarizing discussion	Tack