

## Applied Multivariate Analysis (S4)

17.08.2020 – 28.08.2020

Course Director: *Dr. Elizabeth Grandfield*

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### Week 1 ( 17-21 August 2020)

Day	Time	Type	Description	Location
Monday	10:00 – 10:15	Welcome lecture	Opening by the coordinator of the M&S Summer school: Dr. Rens van de Schoot	Online Video
	10:15 – 12:30	Lecture	Introduction to the course and review of hypothesis testing, t-tests, and correlation	Online Videos
	12:30 - 14:00	Lunch		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	Microsoft Teams (MTs): Live
Tuesday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10:00 - 12:30	Lecture	Multiple linear regression	Online Videos
	12:30 - 14:00	Lunch		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live
Wednesday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10:00 - 12:30	Lecture	Advanced linear regression	Online Videos
	12:30 - 14:00	Lunch		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live
Thursday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10:00 - 12:30	Lecture	One-way ANOVA	Online Videos
	12:30 - 14:00	Lunch		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live
Friday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10.00 - 12.30	Lecture	Two-way (Factorial) ANOVA	Online Videos
	12:30 - 14:00	Lunch		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live

## Applied Multivariate Analysis (S4)

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### Week 2 (24 - 28 August 2020)

Day	Time	Type	Description	Location
Monday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10.00 - 12.30	Lecture	ANCOVA	Online Videos
	12:30 - 14:00	<i>Lunch</i>		Videos / On own
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	MTs: Live
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live
Tuesday	09.00 - 09.30	Discussion meeting	Work with SPSS via My Workplace	Videos / On own
	10.00 - 12.30	Lecture	Repeated measures	Online Videos
	12:30 - 14:00	<i>Lunch</i>		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live
Wednesday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10.00 - 12.30	Lecture	MANOVA	Online Videos
	12:30 - 14:00	<i>Lunch</i>		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live
Thursday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10.00 - 12.30	Lecture	Logistic regression	Online Videos
	12:30 - 14:00	<i>Lunch</i>		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live
Friday	09.00 - 09.30	Discussion meeting	Questions	MTs: Live
	10.00 - 12.30	Lecture	Principal component analysis	Online Videos
	12:30 - 14:00	<i>Lunch</i>		
	14:00 - 15:30	Computer exercises	Work with SPSS via My Workplace	Videos / On own
	15:30 - 17:00	Discussion meeting	Exercise and lecture questions	MTs: Live