

summerschool UTRECHT

Data Science: Multiple imputation in practice (S28)

20 - 23 July 2026

Course Director: *prof. dr. Stef van Buuren*

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Please note that the schedule is in Central European Summer Time

Day	Time	Type	Description	Location
Monday	09:00-10.30	Lecture	Ad-hoc methods	Victor J. Koningsberger building , Room 228
	-	<i>Coffee/Tea Break</i>		
	10.45-11.45	Computer Lab	Ad-hoc methods with mice in R	
	11.45-12.15	Plenary discussion	Students and teachers discuss and present their solutions to the computer lab.	
	-	<i>Lunch Break</i>		
	13.15-14.30	Lecture	The theory of Multiple Imputation Univariate imputation	
	-	<i>Coffee/Tea Break</i>		
	14.45-15.45	Computer Lab	Univariate imputation with mice in R	
15.45-16.00	Plenary discussion	Students and teachers discuss and present their solutions to the computer lab.		

Tuesday	09:00-10.30	Lecture	Multivariate imputation: <ul style="list-style-type: none"> - Multiple imputation - Diagnostics for imputation 	Victor J. Koningsberger building , Room 228
	-	<i>Coffee/Tea Break</i>		
	10.45-11.45	Computer Lab	Multivariate imputation in R	
	11.45-12.15	Plenary discussion	Students and teachers discuss and present their solutions to the computer lab.	
	-	<i>Lunch Break</i>		
	13.15-14.30	Lecture	Multiple imputation of : <ul style="list-style-type: none"> - Non-normal data - Longitudinal data 	
	-	<i>Coffee/Tea Break</i>		
	14.45-15.45	Computer Lab	Combining inferences	
	15.45-16.00	Plenary discussion	Students and teachers discuss and present their solutions to the computer lab.	

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Day	Time	Type	Description	Location
Wednesday	09:00-10.30	Lecture	Sensitivity analysis and reporting	Victor J. Koningsberger building , Room 228
	-	<i>Coffee/Tea Break</i>		
	10.45-11.45	Computer Lab	Sensitivity analysis with mice in R	
	11.45-12.15	Plenary discussion	Students and teachers discuss and present their solutions to the computer lab.	
	-	<i>Lunch Break</i>		
	13.15-14.30	Lecture	Prediction with missing data	
	-	<i>Coffee/Tea Break</i>		
	14.45-15.45	Computer lab	Prediction with multiply imputed data	
15.45-16.00	Plenary discussion	Students and teachers discuss and present their solutions to the computer lab.		

Thursday	09:00-10.30	Lecture	Derived variables, custom imputation models and data synthesis	Victor J. Koningsberger building , Room 228
	-	<i>Coffee/Tea Break</i>		
	10.45-11.45	Computer Lab	Multiple imputation with custom imputation models and data synthesis	
	11.45-12.15	Plenary discussion	Students and teachers discuss and present their solutions to the computer lab.	
	-	<i>Lunch Break</i>		
	13.15-14.30	Lecture	Capita selecta	
	-	<i>Coffee/Tea Break</i>		
	14.45-15.45	Computer Lab	Get advice and/or support on solving your own missing data problem.	
15.45-16.00	Plenary discussion	Students and teachers discuss real life missing data problems		