

Coding Intro

Introduction to Programming for Data Science: The course participants get an overview over the typical steps in a data science project. Loading, preparing, visualizing and modelling data are the key components of the course.

Planned ECTS: , **Number of learners:** 30, **Mode of delivery:** Face to Face

Status: NOT STARTED, **Course public access:** Private

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Course learning outcome	Level	Weight
Course participants can name the different steps of a data science project.	Remembering	5
Participants know the most important packages for visualization.	Remembering	5
Participants know the most important packages for tidying data.	Remembering	5
Participants know the most important packages for importing data.	Remembering	5
Participants know the most important packages for modelling.	Remembering	5
Participants know the outcome of simple software code.	Understanding	15
Participants can develop simple code to visualize data.	Applying	15
Participants can develop simple code to tidy data.	Applying	15
Participants can develop simple code to import and recode data.	Applying	15
Participants can develop simple code to model data.	Applying	15
		Total Weight: 100

Topic / Unit name	Workload	Learning type	Mode of delivery			Groups	Collaboration	Feedback	Assessment		
									Points	Types	Providers
Introduction											
Course participants can name the different steps of a data science project. (100%)											
UN Votes Case Study											
Case Study Presentation	40 min	Acquisition	Onsite	Synchronous	Teacher present	No	No	No	No		
Total unit workload	0.66h										

Topic / Unit name	Workload	Learning type	Mode of delivery	Groups	Collaboration	Feedback	Assessment		
							Points	Types	Providers
Modelling									
Participants know the most important packages for modelling. (100%), Participants can develop simple code to model data. (100%)									
Modelling									
Presentation Presenting the typical data modelling steps and the theory behind linear regressions.	60 min	Acquisition	Onsite	Synchronous	Teacher present	No	No	No	No
Exercises Hands on modelling exercises using linear regressions.	20 min	Practice	Onsite	Synchronous	Teacher present	Yes	Yes	Teacher	No
Total unit workload	1.33h								

Total course workload: 6h