

		area	CFU	teachings	teaching hou
0	Distance phase			Economics level up Math & Statistics level up	
1	Data and Databases	info	4		24
				Data for research: concepts and technologies	11
				Database management with SQL	4
				Data quality and procurement	3
				Data procurement with web scraping	6
2	Coding for data analytics	info	4		12
				Introduction to python	6
				Introduction to R	6
3	Foundation of statistics	stat	6		36
				Probability & inference	15
				The linear model	6
				Exploratory analysis	4
				Exploratory analysis reloaded	5
				Communication of data & data journalism	6
4	Economic Policies and Institutions	eco	8		48
				Foundation of economics	18
				Business strategies & market structures	6
				Economic Policies and Institutions I	8
				Economic Policies and Institutions II	6
				Institutions and economic performance	10
5	Applications of BDA for Policy Analysis	eco	6		36
				Macroeconomic reporting and migration data	3
				Big data opportunities for Official Statistics	3
				Corruption	3
				Artificial Intelligence applications in Insurance	3
				Frontiers of AI for business and decision making	3
				Ethical biases in ML&AI	3
				Health data	3
				workshop on migration data	15
6	Data Modelling	stat	6		36
				Concepts of data modelling	3
				Basic econometrics	10
				Supervised machine learning	10
				Text Mining & NLP	13
7	Simulation models	eco	6		36
				Micro-simulation models	10
				Micro-simulations lab	10
				ABM & macro-simulations	8
				ABM - lab	8
8	Causal models for decision making	stat	6		36

		<i>Evaluation: concepts and empirical strategies</i>	10
		<i>Social experiments</i>	3
		<i>Causal inference with observational data</i>	13
		<i>Distance based estimators &amp; Causal labs</i>	10
<b>9</b>	<b>Specialized tracks</b>	<b>eco</b>	<b>8</b>
		<i>Personnel economics</i>	9
		<i>Labour market institutions</i>	9
		<i>Poverty &amp; development I</i>	12
		<i>Poverty &amp; development II</i>	6
		<i>Poverty &amp; development III</i>	6
		<i>Business applications</i>	6
			<b>48</b>