

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE  
CONFERENCE OF EUROPEAN STATISTICIANS

Workshop on Statistical Data Editing  
(Virtual, 31 August - 4 September 2020)

AGENDA AND TENTATIVE TIMETABLE

Monday, 31 August	
Time	Topic and documentation
13:00	Opening of the workshop <b>Taeke Gjaltema (UNECE)</b>
13:05	Opening of the workshop <b>Daniel Kilchmann (Switzerland)</b>
13:10	Short presentation about future work ideas received <b>Daniel Kilchmann (Switzerland)</b>
13:15	Keynote presentation - Recent advances in imputation methods <b>Yves Tille (University of Neuchatel)</b>
13:55	Q&A and discussion
Topic - Quality: assessing data quality and indicators <b>Discussants: Sander Scholtus (Statistics Netherlands) and Pedro Revilla (INE, Spain)</b>	
14:10	Introduction to the topic <b>Topic discussants</b>
14:15	Evaluating Imputation Methods using ImpACT: First Case Study <b>Darren Gray (Statistics Canada)</b>
14:30	Variance estimation after mass imputation with an application to the Dutch population census <b>Sander Scholtus (Statistics Netherlands)</b>
14:45	Q&A
14:55	General discussion on topic
15:15	Closing of the day

Tuesday, 1 September	
Time	Topic and documentation
13:00	Keynote presentation - Statistical data cleaning for official statistics with R <b>Mark van der Loo (Statistics Netherlands)</b>
13:40	Q&A and discussion
Topic - Imputation Methods: machine learning and new/emerging methods <b>Discussants: Sander Scholtus (Statistics Netherlands) and Li-Chun Zhang (Statistics Norway)</b>	
13:55	Introduction to the topic <b>Topic discussants</b>
14:00	Wage Imputation with Deep Learning in the French Labor Force Survey <b>Damien Babet (Insee, France)</b>
14:15	Bayesian Estimation of Linear Dynamic Panel Models with Missing Values <b>Marcel Preising (Federal Statistical Office, Germany)</b>
14:30	Q&A
14:40	Outlier detection and imputation using ML <b>Susie Jentoft (Statistics Norway)</b>
14:55	RBEIS: A robust nearest neighbour donor imputation system implemented in SAS <b>Fern Leather (Office for National Statistics, UK)</b>
15:10	Q&A
15:20	General discussion on the topic
15:40	Closing of the day

Wednesday, 2 September	
Time	Topic and documentation
Topic - Methods: for machine learning and time series data, and new/emerging methods <b>Discussants: Darren Gray (Statistics Canada) and Daniel Kilchmann (Federal Statistics Office, Switzerland)</b>	
13:00	Introduction to the topic <b>Topic discussants</b>
13:05	The UNECE High-Level-Group for the Modernization of Official Statistics Machine Learning Project: A report of the Editing & Imputation Group <b>Florian Dumpert (Federal Statistical Office, Germany)</b>
13:20	Editing of Social Survey Data <b>Claus Sthamer (Office for National Statistics, UK)</b>
13:35	Q&A
13:45	ML to identify patterns behind errors in STS statistics <b>Fabiana Rocci (Istat, Italy)</b>
14:00	Two-Phase Learning <b>Tatsiana Pekarskaya (Statistics Norway)</b>
14:15	Q&A
14:25	General discussion on the topic
Poster session	
14:45	Introduction to the poster session <b>InKyung Choi (UNECE)</b>
14:50	Robust Tools for Statistical Data Editing and Imputation <b>Kazumi Wada (Tsuda University, Japan)</b>
	Internal Information System. A possibility of low-cost data governance inside the National Statistical Offices <b>Tania Garcia (INEGI, Mexico)</b>
	The imputation of the “Attained Level of Education” in the base register of individuals: an experimentation using Machine Learning techniques <b>Fabrizio DeFausti (Istat, Italy)</b>
	Profile of Manufacturing Exports Enterprise <b>Carlo Lopez (INEGI, Mexico)</b>
	Territorial preparation in census 2021 <b>Ludmila Ivancikova (Slovakia)</b>
	(Poster-only) Challenges and advancements in assessing data quality during the generation of criminal and justice statistics in Mexico <b>Ines Arce (INEGI, Mexico)</b>
15:15	Closing of the day

Thursday, 3 September	
Time	Topic and documentation
Topic - Processes: editing in a generic process, standardisation and meta-data driven processes <b>Discussants: Agnes Andics (Central Statistical Office, Hungary) and Simona Rosati (Istat, Italy)</b>	
13:00	Introduction to the topic <b>Topic discussants</b>
13:05	Generic Statistical Data Editing Model (GSDEM) <b>Daniel Kilchmann (Federal Statistics Office, Switzerland)</b>
13:20	Q&A
13:35	Implementing main types of International validation rules in national validation processes <b>Olav ten Bosch (Statistics Netherlands)</b>
13:45	Modern, process oriented and metadata driven statistical production <b>Anna Dlugosz (Statistics Poland)</b>
14:00	Automation of E&I Processes <b>Kerstin Lange (Federal Statistical Office, Germany)</b>
14:15	Q&A
14:25	General discussion on the topic
15:15	Closing of the day

<b>Friday, 4 September</b>	
<b>Time</b>	<b>Topic and documentation</b>
13:00	Introduction to the future work discussion <b>Daniel Kilchmann (Federal Statistics Office, Switzerland)</b>
Topic - Data: 2021 Census, administrative data, geospatial data, big data and other alternative data <b>Discussants: Fern Leather (Office of National Statistics, UK) and Li-Chun Zhang (Statistics Norway)</b>	
13:05	Introduction to the topic <b>Topic discussants</b>
13:10	Webscraped data for replacing and validating survey questions <b>Johannes Gussenbauer (Statistics Austria)</b>
13:25	An imputation procedure for the Italian attained level of education in the register of individuals based on administrative and survey data <b>Romina Filippini (Istat, Italy)</b>
13:40	Q&A
13:50	Use of administrative data and alternative data for census when applying modern technologies <b>Janusz Dygaszewicz (Statistics Poland)</b>
14:05	An overview of the editing and imputation process of the 2018 Italian Permanent census <b>Francesco Scalfati (Istat, Italy)</b>
14:20	Q&A
14:30	General discussion on the topic
14:50	Future work discussion <b>Daniel Kilchmann (Federal Statistics Office, Switzerland)</b>
15:10	Closing of the day

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