


## Provisional Timetable

### DAY 1 – Monday 5 June

8:30-9:30	<b>Registration</b>
9:30-9:40	<b>Welcome</b> – InKyung Choi (UNECE)
<b>Session 1: Machine Learning Applications</b> Session Chairs: Michael Reusens (Statistics Flanders, Belgium) and Joni Karanka (ONS, UK)	
9:40-9:45	<b>Introduction to Session</b> – Session Chairs
9:45-10:00	<b>Classifying companies in France using machine learning</b> - Thomas Faria and Tom Seimandi (Insee, France)
10:00-10:05	<b>Q&amp;A</b>
10:05-10:20	<b>Using Webdata to derive the Economic Activity of Enterprises</b> - Manveer Mangat (Statistics Austria)
10:20-10:25	<b>Q&amp;A</b>
10:25-10:40	<b>Clothing Price Index using Web-Scraped Data</b> – Laura Christen and Ahmet Aydin (ONS, UK)
10:40-10:45	<b>Q&amp;A</b>
10:45-11:05	<b>Break</b>
11:05-11:20	<b>Imputation of occupation in the Occupational Register</b> - Jens Malmros (Statistics Sweden)
11:20-11:25	<b>Q&amp;A</b>
11:25-11:40	<b>Too good to be true? Machine learning in the editing process</b> - Eva Charlotte Berner and Solveig Bjørkholt (Statistics Norway)
11:40-11:45	<b>Q&amp;A</b>
11:45-12:00	<b>Data-driven earthquake multi-impact modelling: A comparison of approaches</b> - Hamish Patten (University of Oxford)

12:00-12:05	Q&A
12:05-12:20	<b>Progression patterns in the Swiss social security system based on Machine Learning: methods for evaluating quality and model drift</b> - Athanassia Chalimourda (Swiss Federal Statistics Office)
12:20-12:25	Q&A
12:25-13:40	Lunch
13:40-14:10	Soapbox session
14:10-14:25	<b>ML Poverty: Using Machine Learning to estimate poverty rates in Switzerland at the canton level</b> - Yara Abu Awad (Swiss Federal Statistics Office)
14:25-14:30	Q&A
14:30-14:45	<b>Creating a modern business index: Machine learning record linkage at scale</b> - Isabela Breton and Joanne Sheppard (ONS, UK)
14:45-14:50	Q&A
14:50-15:10	Break
15:10-15:25	<b>Time Series Outlier Detection using Metadata and Data Machine Learning in Statistical Production</b> - Olivier Sirello (BIS)
15:25-15:30	Q&A
15:30-15:45	<b>Timeliness and Accuracy with Machine Learning Algorithms: Early Estimates of the Industrial Turnover Index</b> - David Salgado (Statistics Spain)
15:45-15:50	Q&A
15:50-16:05	<b>Nowcasting TiVA indicators: improving timeliness of trade data</b> - Polina Knutsson (OECD)
16:05-16:10	Q&A
16:10-17:00	<p><b>Small group discussion and reporting back</b></p> <p>Read descriptions of topics and select topic you are interested – scan below QR or use this <a href="https://tinyurl.com/ywxm3444">https://tinyurl.com/ywxm3444</a></p> 
17:00-17:05	Closing Day 1

**DAY 2 – Tuesday 6 June**

<b>Session 2: Quality Aspects of Machine Learning in Official Statistics</b> Session Chairs: Florian Dumpert (Federal Statistical Office of Germany) and Ralf Becker (UNSD)	
9:30-9:35	<b>Introduction to Session – Session Chairs</b>
9:35-9:45	<b>Quality Framework for Statistical Algorithms – InKyung Choi (UNECE)</b>
9:45-10:00	<b>A Quality Concept for the Use of Machine Learning in Official Statistics - Florian Dumpert (Federal Statistical Office of Germany)</b>
10:00-10:20	<b>Exploring quality dimensions in trustworthy Machine Learning in the context of official statistics: model explainability, accuracy and uncertainty - Saeid Molladavoudi (Statistics Canada) [remote]</b>
10:20-10:30	<b>Q&amp;A</b>
10:30-10:45	<b>Understanding model quality in the context of trustworthiness and value - Emily Barrington (Office for Statistics Regulation, UK) [remote]</b>
10:45-10:50	<b>Q&amp;A</b>
10:50-11:05	<b>Break</b>
11:05-11:20	<b>Lessons learned when applying Machine Learning in Official Statistics: Why it helps to be a survey statistician and a data scientist! - Piet Daas (Statistics Netherlands)</b>
11:20-11:35	<b>Changing Data Sources in the Age of Data Science for Official Statistics - Cedric De Boom (Statistics Flanders, Belgium)</b>
11:35-11:45	<b>Q&amp;A</b>
11:45-12:25	<b>Small group discussion and reporting back</b> Read descriptions of topics and select topic you are interested – scan below QR or use this <a href="https://tinyurl.com/ywxm3444">https://tinyurl.com/ywxm3444</a> 
12:25-13:30	<b>Lunch</b>

<b>Session 3: Toward system-wide transformation of statistical production</b> Session Chairs: Riitta Piela (Statistics Finland) and Dominika Nowak (Statistics Poland)	
<b>13:30-13:35</b>	<b>Introduction to Session</b> – Session Chair
<b>13:35-14:05</b>	<b>Keynote presentation: How to Manage Artificial Intelligence and Data Science as a Process of Continuous Improvement in the Context of Official Statistics?</b> – Prof. Diego Kuonen (Statoo Consulting & University of Geneva, Switzerland)
<b>14:05-14:10</b>	<b>Q&amp;A</b>
<b>14:10-14:25</b>	<b>Facilitators and Blockers of ML Adoption in Official Statistics</b> - Joni Karanka (ONS, UK)
<b>14:25-14:30</b>	<b>Q&amp;A</b>
<b>14:30-14:45</b>	<b>A Machine Learning Capability Uplift Strategy</b> - Claire Clarke (ABS, Australia) [remote]
<b>14:45-15:00</b>	<b>ML training: Who? What? How? and... What for?</b> - Christophe Bontemps (UN SIAP, ESCAP) [remote]
<b>15:00-15:10</b>	<b>Q&amp;A</b>
<b>15:10-15:30</b>	<b>Break</b>
<b>15:30-15:45</b>	<b>Balsam: A Collaborative Platform to Support ML and ML-Ops initiatives</b> - Jakob Engdahl (Statistics Sweden)
<b>15:45-16:00</b>	<b>An open-source data science platform to foster innovative and production-ready machine learning systems</b> - Romain Avouac (Insee, France)
<b>16:00-16:10</b>	<b>Q&amp;A</b>
<b>16:10-17:00</b>	<b>Small group discussion and reporting back</b> Slido poll for Session 3 - scan below QR or use this <a href="https://tinyurl.com/4u8v9yf2">https://tinyurl.com/4u8v9yf2</a> 
<b>17:00-17:05</b>	<b>Closing Day 2</b>

**DAY 3 – Wednesday 7 June**

<b>Session 3: Toward system-wide transformation of statistical production (continue)</b> Session Chairs: Riitta Piela (Statistics Finland) and Dominika Nowak (Statistics Poland)	
<b>9:30-9:35</b>	<b>Opening</b>
<b>9:35-11:05</b>	<b>Hands-on Lab: An introduction to MLOps with Mlflow (Part I)</b> - Tom Seimandi, Romain Avouac and Thomas Faria (Insee, France)
<b>11:05-11:25</b>	<b>Break</b>
<b>11:25-12:55</b>	<b>Hands-on Lab: An introduction to MLOps with Mlflow (Part II)</b> - Tom Seimandi, Romain Avouac, Thomas Faria (Insee, France)
<b>12:55-13:05</b>	<b>End of workshop</b>