Applied Data Science Skills for Measuring the Integration of Diverse Societies

Pilot Long-Term Training Course for the National Bureau of Statistics of the Republic of Moldova — Second In-Person Training

4–5 December 2025 at Chateau Vartely, Orhei

Day 1 (4 December)	
8:00	Departure from Chisinau
9:00-9:30	Arrival in Chateau Vartely and Welcome Coffee
9:30-09:40	**Warm-up and Outlook** — Peter Naderer, OSCE High Commissioner on National Minorities — Iuliia Votslava, UN Human Rights Moldova
09:40-10:30	**Session #1 — Recap on minority rights and non-discrimination** — Elena, Iulia, Sergiu and Peter
10:30-12:30	**Session #2 — Recap of previous Python learning** Reviewing the home assignment together; open questions — *Stefan*
12:30-13:30	Lunch
13:30-15:00	**Session #3 — Loading and Cleaning Data with Pandas** Basics of data wrangling using EU-SILC data — *Stefan*
15:00-15:30	Coffee Break
15:30-17:30	**Session #4 — Exploratory Data Analysis (EDA) with Python** Intro to EDA using EU-SILC data — *Stefan*
17:30-17:45	**Day 1 Wrap-up & Q&A** — Peter & Stefan
18:30-20:00	Dinner and more
Day 2 (5 December)	
09:00-09:15	**Quick Recap** — Stefan
09:15-10:30	**Session #5 — Human Rights Indicator**

An introduction to OHCHR's Human Rights Indicators and how to measure progress on human rights
  — *Dumitru Roman, UN Human Rights Moldova*

Constructing a disaggregated human rights indicator based on EU-SILC data
  — *Peter*

10:30-10:45	Coffee break
11:30-13:00	**Session #6 — Data Visualization with Python** Intro to Ptyhon data visualziation libraries (matplotlib and seaborn) — Stefan
13:00-14:00	Lunch
14:00-16:00	**Session #7 — More on data handling and data processing with Python** Working with Complex Data and Multiple Files — Peter & Stefan
16:00-16:15	Coffee break
16:15-17:30	**Session #8 — Usage of LLMs for data science and learning Python** AI for Data Analysis – ChatGPT & Claude — Stefan
17:30-18:00	**Day 2 Wrap-up & Q&A**
18:00	Departure from Chateau Vartely to Chisinau