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Xaghra, Gozo, Malta

Education

MSc in Data Science

University of Essex
2025 - Expected 2026

PG Certificate in Data Science

University of Essex
2024 - 2025

BSc (Hons) in Mathematics and Statistics and Operations Research

University of Malta
2018 - 2022

Skills

Statistical and Analytical

Demographic and Migration Statistics
Data Quality Assurance
Data Analysis and Interpretation
Methodology Development & Refinement

Programming and Data Tools

R (advanced)
SQL (intermediate)
Python (beginner, through MSc)
SPSS (advanced)
Excel (advanced)
PowerBI (intermediate)
Tableau (intermediate)
ArcGIS (beginner)

Communication and Reporting

News Release Preparation
Statistical Report Writing
Stakeholder and Data Provider Engagement
Presentation Skills

Leadership and Collaboration

Teamwork and Mentoring
International and National Collaboration
Workflow and Time Management
Organisation and Planning
Analytical Thinking
Attention to Detail

Valentina Mercieca

Profile

Statistician at NSO Malta's Population and Migration Unit with professional and internship experience spanning 4 years. Skilled in methodology design, data validation, and translating complex analyses into clear outputs that support evidence-based policymaking. Experienced in coordinating with data providers, contributing to official publications, and fostering collaboration to deliver high-quality, reliable statistics in line with national and international standards.

Work Experience

2022
-
Present

Statistician

National Statistics Office, Valletta, Malta
Population and Migration Unit

- Designed and refined methodologies for collecting and integrating data from administrative sources to improve efficiency and reliability;
- Contributed to the development of innovative tools for data collection, cleaning, and analysis to enhance the unit's capacity to produce timely migration and population statistics;
- Verified and validated datasets by identifying inaccuracies and applying statistical methods to improve data quality;
- Conducted in-depth statistical analysis of both aggregated and microdata;
- Built and maintained strong working relationships with data providers, coordinating follow-ups to secure accurate and timely submissions to Eurostat;
- Prepared and quality-checked statistical content for official news releases and publications to support the dissemination of reliable demographic and migration statistics to diverse audiences;
- Promoted confidence in official statistics by applying the principles of the European Statistics Code of Practice and NSO quality assurance frameworks;
- Engaged with stakeholders to understand user needs and presented statistical findings tailored to policymakers, researchers, and the wider public;
- Interpreted statistical analysis for policy development;
- Represented the NSO in working groups with Eurostat and other NSIs;
- Followed and took part in national and international statistical fora;
- Mentored junior staff and interns, as well as collaborated with colleagues to provide peer support and fostering knowledge-sharing within the unit;
- Adhered to internal policies related to human resources and information security;
- Carried out additional responsibilities as assigned by superiors, demonstrating flexibility and commitment to the unit's objectives;
- Achieved certification in R through NSO training courses, strengthening statistical programming skills.

2021
-
2022

Intern

National Statistics Office, Valletta, Malta
Population and Migration Unit

- Performed data cleaning and preparation to ensure reliability before statistical processing;
- Supported quality assurance by checking administrative data sources for inconsistencies and errors;
- Assisted in producing outputs through graphs, tables, and statistical interpretation.