

PERSONAL INFORMATION

Tiziana Tuoto

Sex Female | Date of birth 04/06/1974 | Nationality Italian

WORK EXPERIENCE

from March 2001 – to today

Statistician – Project Manager

Istituto Nazionale di Statistica – ISTAT- via C. Balbo 16, 00184 Roma – Italy

- In the Directorate for Methodology and Statistical Process Design, I'm project manager of "Integration of data coming from several sources (included Big data)", a team composed by 7 people, with responsibilities for methodologies and tools for data integration, record linkage and statistical matching. In this role, I lead and coordinate several activities devoted to both statistics production and research. I'm in charge of the innovation and rigorous quality assessment of data integration procedures, the investigation on the statistical uses of Big data sources, in accordance with the new privacy regulation framework. We study the most suitable statistics solutions for advanced production processes
- I acquired over 15 years' experience in Census and Post Enumeration Surveys; I was in charge of the linkage activities of the Post Enumeration Survey of the 2000 and 2010 Italian Agricultural Censuses and 2011 Italian Population Census, and provided technical assistance on Census and Post Enumeration Surveys to several countries
- I participate/coordinate several internal and international working groups in charge of designing and implementing micro-data integration activities; I participate to several conferences and seminars with invited talks and presentations on data integration, record linkage, and population size estimation
- I acquired over 10 years' experience in designing, implementing, maintaining and supporting methodologies and IT tools for record linkage
- I acquired over 18 years' experience in sampling design, no-sampling errors evaluation, adjustments for non- responses and measurement errors
- I am involved in teaching and on-the-job training on data integration methods with field applications at national and international level
- I am referee/ reviewer for Journal of Official Statistics - JOS, Springer International Issue "Advances in Intelligent Systems and Computing, Statistical Journal of International Association of Official Statistics - SJIAOS, Statistica, Rivista di Statistica Italiana.

Business or sector National Statistical Institute

From June 2019 –
to today

Short Term Expert

World Bank

- Senior Short-term Expert in the framework of the project in the Kingdom of Saudi Arabia, c/o the General Authority for Statistics, STATISTICAL CAPACITY IMPROVEMENT (P167807)
- Technical Assistance on Data Integration, Record linkage methods and software, to modernize the organization and production of statistical indicators through the integration with the available administrative data. In this project, I spent 2 weeks (10 working days) in Riyadh, at the General Authority for Statistics of the Kingdom of Saudi Arabia, to support and train the local experts.
- **Business or sector** Consultancy - International organisation

From November 2016 –
to April 2018

Independent Consultant

UN Population Fund e Swiss Agency for Development and Cooperation – Chisinau regional office, Republic of Moldova

- Senior Short-term Expert in the framework of the UN Population Fund e Swiss Agency for Development and Cooperation project MDA2U714 "Enhanced capacity of national institutions to undertake the Population and Housing Census"
- Technical Assistance on Data Integration, Record linkage methods and software, Population Census and Post-Enumeration Survey to assess the census quality through the integration with the available administrative data and electricity data. In this project, I spent 3 weeks (15 working days) at the National Bureaux of Statistics of the Republic of Moldova, in Chisinau, to support and train the local experts.
- **Business or sector** Consultancy - International organisation

From March 1999 –
to February 2001

Independent Consultant

Sogeti, Luxemburg

- Consultant for methodological support within the Project n. 100342442 "Estimation methods for the integration of administrative sources " of the ESS.VIP.ADMIN project. In this framework, I dealt with the identification and presentation of statistical methods for the integration of administrative sources in statistical production systems, describing the process of producing statistics based on administrative data and highlighting the different stages of this process. Potential problems and existing statistical and estimation methods were identified, on the basis of the intended use of administrative data. The results, 5 deliverables, are available on the Eurostat website at https://ec.europa.eu/eurostat/cros/content/task-211-estimation-methods-integration-administrative-sources_en
- **Business or sector** Consultancy - International organisation

From January 2015 –
to November 2016

Independent Consultant

Dev-Stat – Servicios de consultoria Estadística, Valencia, Spain

- Senior Short-term Expert in the framework of the EU funded project: "Enhancing Population and Housing Census in Bosnia and Herzegovina"
- Technical assistance for the activities of data integration of census and survey data, assessment of the census quality, evaluation of over and under-coverage of the population and housing census. In this project, I spent 5 weeks in Sarajevo, at the Agency for Statistics of Bosnia and Herzegovina, to support and train the local experts. I assisted in the evaluation of the quality (in terms of coverage and measurement errors) of Census data, designing the best integration procedures for matching Post Enumeration Survey and Census Data. I supported the local staff in performing an in-depth analysis on the high rate of unmatched enumerated persons in the Post Enumeration Survey. I also assisted in the subsequent stages of the analyses, finalizing the most suitable statistical procedures in order to provide coverage estimates for the census units.
- **Business or sector** Consultancy - International organisation

From March 1999 –
to February 2001

Statistician

Wind Telecomunicazioni SpA – Via G.C. Viola 48, 00148 Roma - Italy

- Modelling and forecasting voice, data and internet traffics for planning the telecommunication network.
- **Business or sector** Telecommunication

EDUCATION AND TRAINING

from September 2018 -
to today

PhD student in Economics

School of Economics, Sapienza University of Rome – Italy

- Statistics, Mathematical models for economics

from November 1993 -
to July 1998

Master's Degree in Statistics (4-year), score: 110/110 cum laude

Faculty of Statistics, Sapienza University of Rome – Italy

- Methodologies for Statistics, data analysis, Bayesian analysis

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	A1	A1	A1	A1	A1

