Raluca Gui

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Summary

I am an experienced statistician, with a BA in Mathematics, an MA in Economics and Quantitative Methods and a PhD in Marketing and Social Networks. I am proficient in using different statistical softwares such as R, Stata and Python. I have been teaching Statistics, Quantitative Methods and Machine Leaning for more than 5 years. I have been working in a cross-cultural environment for more than 10 years. I speak fluently English, French and Romanian, and I have two children.

Experience

European Central Bank	Frankfurt, Germany
Data Science Analyst - DG-HR	*June 2019 - Present*

Responsibilities in:
- Application development for organisational planning and data exploration
- Dashboard design and development (in Tableau and R Shiny) and reporting related to strategic HR KPIs
- Predictive analytics and projections
- R training and coaching for HR Analytics colleagues

European Central Bank	Frankfurt, Germany
Data Science PhD Trainee - DG-Statistics	*October 2018 - June 2019*

Responsibilities in:
- Identification of potential use cases for automation of processes in data collection
- Proof of concept development for the classification of financial institutions

University of Zurich	Zurich, Switzerland
Research Associate	*May 2013 - October 2018*

Responsibilities in:
- Research in Marketing with a focus on social networks
- Teaching Master level courses in Marketing Analytics and Machine Learning.

Universidad Carlos III de Madrid	Madrid, Spain
Teaching Associate	*Sep 2009 - Sep 2012*

Teaching undergraduate level courses in Statistics I and II, Marketing and Operations Management

IBM Global Financing	Budapest, Hungary
Business Support Operations Specialist	*Aug 2006 - Aug 2007*

Manage lease portfolio, settlement, end of lease decisions; reporting and audit support activities.

Central European University (CEU) - Labor Project	Budapest, Hungary
Research Assistant	*June 2005 - Sep 2005*

The CEU Labor Project conducts academic and policy-relevant research on labor markets and other applied microeconomic issues in Central and Eastern Europe. My responsibilities as RA were in statistical analysis (using Stata) of large employer-employee matched datasets, as well as in data mining and data cleaning.

Laboratoire Logiciels Systemes et Reseaux (LSR-IMAG)	Grenoble, France
Research Assistant	*June 2003 - Sep 2003*

The LSR -IMAG Laboratory research contributes to the progress in technologies for the development of large scale software systems. Such systems are characterised by very large software sizes, large teams working on them, large amount of data manipulated, and a highly distributed nature. As part of the team, I was assigned to develop in JAVA an analyser and evaluator of algebraic expressions for evaluating equations and constraints for the 2nd version of AROM - an object oriented database system.

Education

University of Zurich	ZURICH, SWITZERLAND
PhD in Marketing	*Feb 2014 - March 2021*
Universidad Carlos III de Madrid	MADRID, SPAIN
MA in Quantitative Methods	*Sep 2007 - June 2009*
Major: Marketing and Statistics	
Central European University	BUDAPEST, HUNGARY
MA in Economics	*Sep 2004 - June 2006*
Babes - Bolyai University	CLUJ-NAPOCA, ROMANIA
BA in Mathematics	*Sep 2000 - June 2004*

Skills

Technical specialties: R, Python, Stata, Matlab, SPSS; Tableau; LaTeX, Keynote, PowerPoint.

Languages: Romanian (mother tongue), English (fluent), French (fluent), Spanish (intermediate), German (intermediate), Bulgarian (basic).